



**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



**PROGRESS REPORT BY COLLEGES SUPPORTED UNDER DBT
STAR COLLEGE SCHEME
(2020-2021)**

SUBMITTED BY



G.VENKATASWAMY NAIDU COLLEGE
An Autonomous Institution
(Re – Accredited with ‘A’ Grade by NAAC)
Kovilpatti - 628502, Tamil Nadu.



Proforma for submission of Annual Progress Report supported under Star College Scheme

1. Name of the College : G.VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)
Re – Accredited with ‘A’ Grade by NAAC,
Kovilpatti -628502 TamilNadu.

2. Name of Coordinator, designation, Address, Phone nos.
Coordinator : Dr.B.Makesh Kumar
Assistant Professor and Head,
Department of Botany,
G.Venkataswamy Naidu College
Kovilpatti-628502.

Additional Coordinator : Mrs.R.Manimegalai
Assistant Professor and Head,
Department of Electronics
G.Venkataswamy Naidu College
Kovilpatti-628502.

Department Coordinators:

- 1) Department of Mathematics
Dr.M.Subbulakshmi
Associate Professor
Dept. of Mathematics,
G.Venkataswamy Naidu College
Kovilpatti-628502
- 2) Department of Chemistry
Dr.B.Umadevi
Associate Professor & Head
Dept. of Chemistry,
G.Venkataswamy Naidu College
Kovilpatti-628502
- 3) Department of Computer Science
Dr.B.N.Prathibha
Assistant Professor & Head
Department of Computer Science,
G.Venkataswamy Naidu College
Kovilpatti-628502 Tamil Nadu.
- 4) Department of Electronics
Mr.S.Sankar Ganesh
Assistant Professor
Department of Electronics,
G.Venkataswamy Naidu College
Kovilpatti-628502.

3. Assessment duration : 24/08/2020 to 31/03/2021

Duration in years :



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4. Details of Departments Supported

Sl No	Name of Department	Courses (B.Sc./M.Sc./PG Diploma, certificate etc) offered	Regular Faculty members	
			Total	
			=	
			With Ph.D.	Without Ph.D.
1	Mathematics	B.Sc, M.Sc, Ph.D	06	04
2	Chemistry	B.Sc	03	03
3	Computer Science	B.Sc, M.Sc	02	07
4.	Electronics	B.Sc	Nil	05

5. Number & Date of Advisory committee meeting:

6. **Qualitative improvements due to DBT support. (5 salient points)**
Department of Mathematics

Department of Chemistry

Department of Computer Science

- (i) Improved Infrastructure
- (ii) Faculty Knowledge Enhancement due to workshops/ Seminars etc.,
- (iii) Student's involvement and improvement in practical knowledge
- (iv) Facilitated workings
- (v) Enhanced cooperation

Department of Electronics

- (i) Enhanced our teaching & learning skills
- (ii) Improved the quality of our syllabus
- (iii) Hands-on exposure to students and introduction of new practicals to understand theoretical concepts
- (iv) Improved students' involvement in academic activities
- (v) Enhanced our students' knowledge in the field of Electronics by various resource persons from various institutions & industries.

7. **Any Novel aspect introduced or planning to introduce during the Scheme duration:**
Department of Mathematics

Department of Chemistry

Department of Computer Science

- ✓ To make mobile app environment

Department of Electronics

- ✓ Introduced scoring sheet using VBA language in MS EXCEL for Controller of Examinations office of our college.
- ✓ Plan to build consultancy for making scoring sheet to nearby autonomous colleges

8. **Lessons learnt / difficulties faced/suggestions if any, in implementation of the programme and utilization of DBT grant:**

Department of Computer Science

- (i) Incomplete programs due to COVID'19
- (ii) Industrial Visit to nurture market trends – could not be completed



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(iii) Required books, e-gadgets could not be subscribed

Department of Electronics

Lessons learnt:

- (i) Introduction of Group Projects for final year students and compulsory internship for pre final year students.
- (ii) Encourage our students to participate and present papers in Conferences/Seminars/Symposia, etc. and to develop good rapport among eminent subject experts
- (iii) Encouragement of other department faculties for optimal use of equipment's and knowledge support.
- (iv) Popularizing and elevating the image of the college through star college scheme activity.

Difficulties faced:

- (i) Reaching out school students to promote science during this pandemic period
- (ii) Hardship in organizing outreach activities to the general public during this pandemic period
- (iii) Due to this situation, Industrial visit / Internship programmes could not be completed

Suggestions: Nil



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9. Key performance indicators

Department of Mathematics

Department of Mathematics

S. no	Indicator	Pre-support								During /After Support								Remarks
1	No. of students admitted: 2018-2019	Total =48								No. of studentsadmitted: 2020-2021 Total =43								
		M=03				F=45				M=11				F=32				
		SC/ ST	OB C	G	S C	S T	OB C	G	SC/ ST	OB C	G	S C	S T	OB C	G			
		8	39	1	-	-	-	-	7	36	-	-	-	-	-			
	No. of students admitted: 2019-2020	Total =48																
M=10				F=38														
SC/ ST		OB C	G	SC/ ST		OB C	G											
8		40	-	-		-	-											
2	No. of students passing out (%) Students Admitted/passing out (pass %)	No. of students passing out percentage 2018-2019 : 92.5% 2019-2020 : awaiting for result								No. of students admitted percentage 2018-2019 : 48/48 = 100% 2019-2020 : 48/48 = 100% 2020-2021 : 43/48 = 89.59 %								
3	Drop-out rates	2018-2019 : 02 2019-2020 : 01 2020-2021 : 01								-								
4	No. of students opting for M. Sc	2018-2019 : 13 2019-2020 : 15								-								
5	Average marks																	
6	No. of hands-on experiments beingconducted	Nil								Nil								
7	No. of new experimen ts introduced	Nil								Nil								
8	Publications (scopus indexed)	Nil								Nil								



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	/patents, if any.			
9	Training received by faculty	Nil	02	
10	Exhibitions/seminars /training courses conducted	2018-2019 : Workshop – 01 Training Programmes - 01 Refer Annexure I 2019-2020 : Seminars – 01 Webinars - 02 Training Programme - 1 Refer Annexure II	2020-2021: Webinars – 5 Training Programme - 4 Refer Annexure III	
11	Books/journals subscribed from grants		1. Far East Journal of Applied Mathematics (ISSN 0972-0960) 2. Far East Journal of Mathematical Sciences (FJMS) (ISSN 0972-0871) 3. Universal Journal of Mathematics and Mathematical Sciences (ISSN 2277-1417)	
12	Outreach activities (Popular lectures)	Nil	Nil	
13	Colleges mentored to apply for DBT Star College grants	Nil	Nil	
14	Invited lectures			



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Department of Chemistry

S. No.	Indicator	Pre-support	During/AfterSupport	Remarks
1	No. of students admitted: 2019-2020	Total=48	Total =	
		M=8	F=40	
		SC ST OBC G	M= F=	
		01 - 06 01 07 - 33 -	SC ST OBC G	
	No. of students admitted: 2020-2021	Total= 44		
		M=11	F=33	
		SC ST OBC G		
		01 - 10 - 10 - 23 -		
2	No. of students passing out (%) Students Admitted/passing out (pass%)	No. of students passing out percentage 2018-2019 : 84.8 % 2019-2020 : 100% 2020-2021 : awaiting for result	No. of students admitted percentage 2018-2019: 43/48 = 89.5% 2019-2020: 48/48 = 100% 2020-2021: 44/48 = 91.6 %	
3	Drop-out rates	2018-2019: 4 2019-2020: 6 2020-2021 : 9	9.3% 12.5% 20.45	
4	No. of students opting for MSc	2018-2019 : 05 2019-2020: 2020-2021:	-	
5	Average marks			
6	No. of hands-on experiments being conducted	I year 4 (Volumetric analysis) II Year 4 (Inorganic qualitative analysis) III year 4+2 (Organic Preparation + Gravimetric Estimations)	Refer Annexure 1	
7	No. of new experiments introduced	Nil	01 (for those who joined in 2020-21 academic year) Refer Annexure 1	
8	Publications (scopus indexed) / patents, if any.	2018-19: 02 2019-20: 01 (h index 6)	2020-21: 01 Patent : 01 (Applied)	
9	Training received by faculty	2018-19: 02 2019-20: 01	2020- 21: 01 Refer Annexure 3	



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10	Exhibitions/seminars /training courses conducted	2018-2019: Exhibition–00 Seminars– 00 Hands on Training – 00Workshop-00 <u>ReferAnnexure2</u> 2019-2020: Seminars– 00 Workshop-00 Hands on Training – 00 AwarenessProgramme–00 <u>ReferAnnexure2</u>	2020-2021: Webinars –08 FDPfor Labassistants-Training Programme on Laboratory Safety and First Aid–01 Students Enrichment Programmeon“Challenging Quantitative Aptitude”–01 Training Programme on “Preparation of household products of day-to-day use”: 01 <u>ReferAnnexure3</u>	
11	Books/journalss ubscribedfrom grants		Books– 12Nos.purchased	
12	Outreach activities(Popularl ectures)	2018-2019: HandsonTraining– 00 2019-2020: HandsonTraining– 00 <u>ReferAnnexure2</u>	2020-2021: HandsonTraining– 00 <u>ReferAnnexure3</u>	
13	Colleges mentored toapplyforDBTStar Collegegrants	Nil	Nil	
14	Invitedlectures	<u>ReferAnnexure2</u>	<u>ReferAnnexure3</u>	



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S. no	Indicator	Pre-support	During /After Support	Remarks
1	No. of students admitted 2018-2019 No. of students admitted 2019-2020	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		02 - 23 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
2	No. of students passing out (%) Students Admitted/passing out (pass %)	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
3	Drop-out rates	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
4	No. of students opting for MSc	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
5	Average marks	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
6	No. of hands-on experiments being conducted	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
7	No. of new experiments introduced	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
8	Publications (scopus indexed) /patents, if any.	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
9	Training received by faculty	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
10	Exhibitions/seminars /training courses conducted	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
11	Books/journals subscribed from grants	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
12	Outreach activities (Popular lectures)	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
13	Colleges mentored to apply for DBT Star College grants	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	
14	Invited lectures	Total =47	Total =46	
		M=19	F=29	
		SC ST OBC G	SC ST OBC G	
		03 - 21 - 02 - 22 -	04 - 21 - 02 - 21 -	
		Total =47	Total =46	
		M=19	F=29	



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Department of Electronics

S. no	Indicator	Pre-support	During /After Support	Remarks
1	No. of students admitted: 2018-2019	Total =23	Total =17	
		M=15	F=08	
		S _C S _T OBC G	S _C S _T OBC G	
		06 - 09 - 02 - 06 -	- - 16 01 - - - -	
	No. of students admitted: 2019-2020	Total =28		
		M=22	F=06	
		S _C S _T OBC G	S _C S _T OBC G	
		01 - 21 - - - 06 -		
2	No. of students passing out (%) Students Admitted/passing out (pass %)	No.of students passing out percentage 2018-2019 : 100% 2019-2020 : awaiting for result	No.of students admitted percentage 2018-2019 : 23/48 = 47.9% 2019-2020 : 28/48 = 58.3% 2020-2021 : 17/48 = 35.4%	
3	Drop-out rates	2018-2020 : 05 2019-2020 : 03 2020-2021 : Nil	-	
4	No. of students opting for MSc	2018-2019 : 03 2019-2020 : 02	-	
5	Average marks			
6	No. of hands-on experiments being conducted	As per affiliated university syllabus	12 Refer Annexure 1	
7	No. of new experiments introduced	Nil	02 (for those who joined 2020-21 academic year) Refer Annexure 1	
8	Publications (scopus indexed) /patents, if any.	Nil	Nil	
9	Training received by faculty	Nil	02 Refer Annexure 5	



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10	Exhibitions/seminars /training courses conducted	2018-2019 : Exhibition – 01 Seminars – 02 Hands on Training – 02 Workshop - 02 <u>Refer Annexure 2</u> 2019-2020 : Seminars – 03 Workshop - 01 Hands on Training – 01 Awareness Programme – 01 <u>Refer Annexure 3</u>	2020-2021: Webinars – 10 FDP for Lab Technicians – 01 Hands on Training on Mobile phone Servicing – 01 Hands on Training on Mushroom Cultivation - 01 <u>Refer Annexure 4</u>	
11	Books/journals subscribed from grants		Books – 08 Nos. purchased	
12	Outreach activities (Popular lectures)	2018-2019 : Hands on Training – 02 2019-2020 : Hands on Training – 01 <u>Refer Annexure 2 & 3</u>	Hands on Training on Mushroom Cultivation <u>Refer Annexure 4</u>	
13	Colleges mentored to apply for DBT Star College grants	Nil	Nil	
14	Invited lectures	<u>Refer Annexure 2 & 3</u>	<u>Refer Annexure 4</u>	

ANNEXURE 1 – REPORT : 2018-2019

S.NO	DATE	DETAILS OF THE PROGRAM	RESOURCE PERSONS
1.	31.01.2019	Aptitude Training for Competitive Examinations	1. Mr. Antony Suresh IAS Academy Thoothukudi. 2. Mr. S. Nagaran Sam IAS Academy Thoothukudi.



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2	21.02.2019 & 22.02.2019	Workshop on LATEX	Dr. D. Sridevi Assistant Professor Department of Mathematics S. R. N. M. College, Sattur
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ANNEXURE 2 – REPORT : 2019-2020

S.NO	DATE	DETAILS OF THE PROGRAM	RESOURCE PERSONS
1	29.08.2019	Aptitude Training Programme	1.Mr. T. Raja, Bank of Baroda 2.Mr. V. Antony Patturaj, Managing Director, Thoothukudi District Cooperative Union 3.Mr. Rathakrishnan Assistant Jailor 4.Mr. Balaguru, Senior Faculty, Suresh IAS Academy
2	18.10.2019	National Level seminar on “Algebra and Graph Theory ”	1.Dr. T. Tamizh Chelvan, Senior Professor(Rtd) M. S. University, Tirunelveli. 2. Dr. A. R. Rajan, Professor, Department of Mathematics, University of Kerala 3. Dr. T. Asir, Assistant Professor & HOD i/c, Madurai Kamaraj University, Madurai.



3	03.06.2020 to 05.06.2020	Three days International Webinar on Graph Theory & Human Factors in Aviation	1.Dr. T. Tamizh Chelvan, Senior Professor(Rtd) M. S. University, Tirunelveli. 2.Dr. T. Asir, Assistant Professor & HOD i/c, Madurai Kamaraj University, Madurai. 3.Mr. Manirao Ramachandrarao, Faculty- Aviation Science, CERT-Higher College of Technology, UAE
4	12.06.2020	One day Webinar on “Residue Theory and its Applications”	Dr. M. Balamurugan Assistant Professor Department of Mathematics K. R. College of Arts & Science Kovilpatti.

ANNEXURE 3 – REPORT : 2020-2021

DBT STAR COLLEGE SCHME ACTIVITY

MATHEMATICS

OCTOBER (2020-2021) Month Report

1. Name & Title of the Activity: A One Day Webinar on Matlab - A Prime Look

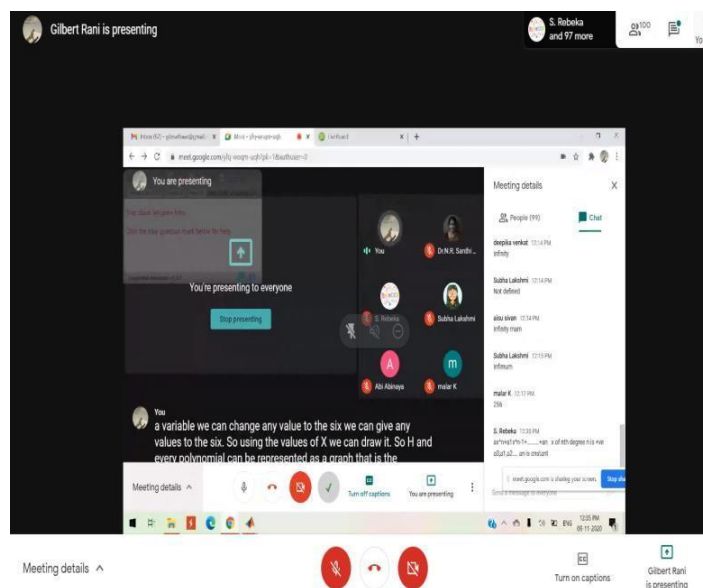
Date & Venue: 23.10.2020 & Google meet Platform

Beneficiary & Number of Beneficiaries: Students - 125, Faculties – 10

Brief Description	Outcome
All numbers in MATLAB are floating point of type double which is great for a lot of numerical computing but here we are dealing with a purely integer algorithm. It can sometimes pay dividends to make this explicit in the code and this is one of those times! It turns out that the mod function has to do a lot more work when dealing with floating point and numbers	Narrate MATLAB software and its salient features as well as ready to work on MATLAB environment for our under graduate's students
Photo 1	Photo 2



Caption : Invitation



Caption : [http://meet.google.com/eaq-eeai-fsk](https://meet.google.com/eaq-eeai-fsk)

November (2020-2021) Month Report

2. Name & Title of the Activity: Student Enrichment Programme on Basic Ideas of MATLAB

Date & Venue: 06.11.2020 & 09.11.2020 & Google meet Platform

Beneficiary & Number of Beneficiaries: Student - 120, Faculties - 10

Brief Description	Outcome
Matlab has an extensive set of built-in functions as well as additional toolboxes that consist of functions related to more specialized topics like fuzzy logic, neural networks, signal processing, etc. It can be used in two different ways: as a traditional programming environment and as an interactive calculator.	<ol style="list-style-type: none"> 1. Perform the arithmetic operations. 2. Find roots of given polynomials. 3. Do form the polynomials from the roots. 4. Evaluate the value of the function at a given point 5. Plot graph against the given 2D,3D values. 6. Cater the knowledge of different types graphs available in MATLAB. 7. Draw a suitable graph for given data. 8. Design the graph
Photo 1	Photo 2



<p>Caption: Invitation</p>	<p>Caption: http://meet.google.com/yfq-woqm-uqh</p>

3. Name & Title of the Activity: Students Enrichment Programme Strategic Learning For Competitive Exams

Date & Venue: 27.11.2020 & Google meet Platform

Beneficiary & Number of Beneficiaries: Students - 123, Faculty - 10

Brief Description	Outcome
<p>The purpose of competitive exams is not only to judge your talent but also to test your management and planning skills. The whole concept of any competitive exam is based on strategic thinking and smart work.</p> <p>Traditionally, studying for long hours, having loads of competitive books around the study table, cutting aloof with the surrounding, and many more such ideas will simply worsen the case. Therefore, be smart, focus on the strategy and start preparing for competitive entrance examinations with the proper mix of planning, time management and smart work.</p>	<p>This enrichment programme provided us many shortcut ways to finish the problems in short period of time. Particularly under the topics of HCF, LCM, distance problems etc and also discussed many important problems also motivate to achieve our goals at earliest.</p>
<p align="center">Photo 1</p>	<p align="center">Photo 2</p>



 <p>G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS) KOVILPATTI (Under the Management of the Kuppuswamy Naidu Charitable Trust for Education and Medical Relief, Coimbatore-37) (Re-Accredited by NAAC with 'B' Grade & STAR College Scheme by DBT-MEST, Govt. of India) Affiliated to Manonmaniam Sundaranar University, Tirunelveli.</p> <p>PG & Research Department of Mathematics Cordially Invites You to Join DBT Sponsored Students Enrichment Programme - Strategical Learning For Competitive Exams</p> <p>Resource Person : Dr. S. JACKSON, Assistant Professor, Department of Mathematics, V. O. C College, Thoothukudi.</p> <p>Patron : Dr. P. Mahendran, Secretary Co-Patron : Dr. N. R. Santhi Maheswari, HOD & Principal (i/c) Convener : Dr. M. Subbulakshmi, Associate Professor DBT Co-Ordinator : Dr. B. Mahesh Kumar, Head Of the Department, Botany</p> <p>Co-Ordinators : Dr. A. Pandiarani Dr. E. Sucila Dr. R. Krishnaveni Dr. N. Shunmugapriya Mrs. S. Mariyammal Ms. S. Sivabala Mrs. G. Jethruth Thresa Ms. M. Alagu Ramalakshmi</p> <p>DATE : 27-11-2020 TIME : 3 p. m. Google Meet Link: http://meet.google.com/yfq-woqm-uqh</p>	 <p>4:11 29%</p> <p>yfq-woqm-uqh</p> <p>Applications</p> <ul style="list-style-type: none"> 43,91,183 ஐ வகைக்கும் போது மிக குறைந்த மீதி தரும் மிகப்பெரிய எண்ணம் 43,91,183 ஐ வகைக்கும் போது மிக குறைந்த மீதி தரும் மிகப்பெரிய எண்ணம் 43,91,183 ஐ வகைக்கும் போது மிக குறைந்த மீதி தரும் மிகப்பெரிய எண்ணம் <p>Jack Son</p> <p>You Raj 74 others</p>
<p>Caption : Invitation</p>	<p>Caption: http://meet.google.com/yfg-woqm-uqh</p>

4. Name & Title of the Activity: Student Enrichment Programme-Employment Opportunities for Mathematics Graduates.
Date & Venue: 28.11.2020 & Google meet Platform
Beneficiary & Number of Beneficiaries: Students - 125, Faculties - 10

Brief Description	Outcome
<p>There has been a great increase in the importance of mathematics to our society. The need for trained mathematicians at all levels is on the rise as the use of computers and automation has spread to almost all sectors of our economy. Nowadays, technological, engineering and business problems are often of such complexity that they require a high level of mathematical treatment.</p>	<p>This Enriched programme provide us the knowledge various job opportunities found around us and help for the graduates , a guiding light for their upcoming career.</p>
<p align="center">Photo 1</p>	<p align="center">Photo 2</p>



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI
(Under the Management of the Kuppuswamy Naidu Charitable Trust for Education and Medical Relief, Coimbatore-37)
(Re-Accredited by NAAC with 'A' Grade & STAR College Scheme by DST-MST, Govt. of India)
Affiliated to Manonmaniam Sundaranar University, Tirunelveli.

PG & Research Department of Mathematics
Cordially Invites You to Join DBT Sponsored
Students Enrichment Programme -
Employment Opportunities for Mathematics Graduates

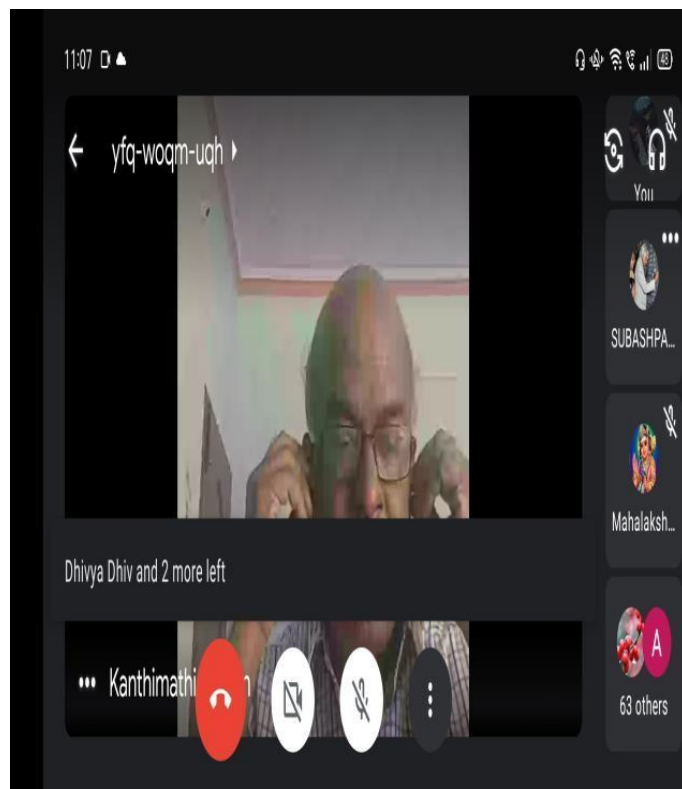
Resource Person :
Dr. S. KANTHIMATHINATHAN,
FORMER HEAD,
P.G. & RESEARCH DEPARTMENT OF ECONOMICS,
V.O CHIDAMBARAM COLLEGE, THOOTHUKUDI.

Patron	: Dr. P. Mahendran, Secretary
Co-Patron	: Dr. N. R. Santhi Maheswari, HOD & Principal (i/c)
Convener	: Dr. M. Subbulakshmi, Associate Professor
DBT Co-Ordinator	: Dr. B. Mahesh Kumar, Head, Department Of Botany

Co-Ordinators :
Dr. A. Pandiarani
Dr. E. Sucila
Dr. R. Krishnaveni
Dr. N. Shunmugapriya
Mrs. S. Mariyammal
Ms. S. Sivabala
Mrs. G. Jethruth Thresa
Ms. M. Alagu Ramalakshmi

DATE : 28-11-2020
TIME : 10 a. m.
Google Meet Link:
<http://meet.google.com/yfq-woqm-ugq>

Caption : Invitation



Caption: <http://meet.google.com/yfq-woqm-ugq>

**5. Name & Title of the Activity: Student Enrichment Programme on Maths is
Omnipresent Inspirational Speech**

Date & Venue: 30.11.2020 & Google meet Platform

Beneficiary & Number of Beneficiaries: Students: 120, Faculties: 10

Brief Description	Outcome
You're not going to get very far in life based on what you already know. You're going to advance in life by what you're going to learn after you leave here.	<ol style="list-style-type: none"> How mathematics is intertwined with our life and easy ways to learn important definitions under algebra and analysis Have some shortcuts to solve the clock sums in easy ways.
Photo 1	Photo 2



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI
(Under the Management of the Kuppuswamy Naidu Charitable Trust for Education and Medical Relief, Coimbatore-37)
(Pre-Approved by NAAC with 'B' Grade & STAR College Scheme by DBT-DBT Govt. of India)
Affiliated to Manonmaniam Sundaranar University, Tirunelveli.

PG & Research Department of Mathematics
Cordially Invites You to Join DBT Sponsored
Students Enrichment Programme -
Maths is Omnipresent - Inspiration! Speech

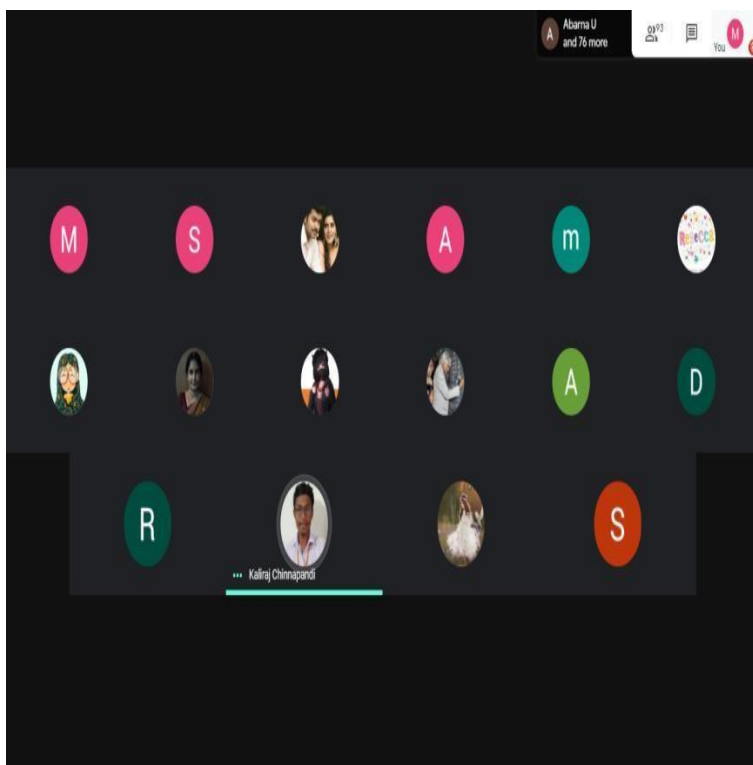
Resource Person :
Dr. C. SEKAR,
PROFESSOR IN MATHEMATICS,
POST GRADUATE EXTENSION CENTRE,
MANONMANIAM SUNDARANAR UNIVERSITY,
NAGERCOIL.

Patron : Dr. P. Mahendran, Secretary
Co-Patron : Dr. N. R. Santhi Maheswari,
HOD & Principal (i/c)
Convener : Dr. M. Subbulakshmi,
Associate Professor
DBT Co-Ordinator : Dr. B. Mahesh Kumar,
Head, Department Of Botany

Co-Ordinators :
Dr. A. Pandiarani
Dr. E. Sucila
Dr. R. Krishnaveni
Dr. N. Shunmugapriya
Mrs. S. Mariyammal
Ms. S. Sivabala
Mrs. G. Jethruth Thresa
Ms. M. Alagu Ramalakshmi

DATE : 30-11-2020
TIME : 2 p. m.
Google Meet Link:
<http://meet.google.com/yfq-woqm-ugh>

Caption: Invitation



Caption: <http://meet.google.com/yfg-woqm-ugh>

December (2020-2021) Month Report

6. Name & Title of the Activity: Students Enrichment Programme – Two Days Training Program On Latex

Date & Venue: 10.12.2020 - 11.12.2020 & Meeting Hall

Beneficiary & Number of Beneficiaries: Students - 115, Faculty - 10

Brief Description

Outcome



LaTeX, a document preparation system, is widely used for publishing in many scientific fields like mathematics, statistics, computer science, engineering, chemistry, physics, economics, linguistics, etc.. It is a powerful and open-source system that provides numerous facilities for automating typesetting of the document: i.e. structuring page layout, listing and auto-numbering of sections, tables, figures, generating a table of contents, managing cross-referencing, citing, and indexing.

Utilizing latex to build a technical text. Just how to write mathematical notations and formulas.

Using latex to construct tables. How to insert a latex document also with figures

Photo 1

G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS) KOVILPATTI
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(Re-Accredited by NAAC with 'A' Grade & STAR College Scheme by DBT - MST, Govt. of India)
Affiliated to Manonmaniam Sundaranar University, Tirunelveli

PG & Research Department of Mathematics
Cordially Invites You to Join DBT Sponsored
Students Enrichment Programme -
TWO DAYS TRAINING PROGRAM ON LATEX

Resource Person :
Dr. D. UMADEVI,
Meritorious Alumnus,
Department of Mathematics,
G.V.N College, Kovilpatti.

Patron : Dr. P. Mahendran, Secretary
Co-Patron : Dr. N. R. Santhi Maheswari,
Principal (i/c) & H.O.D
Convenor : Dr. M. Subbulakshmi,
Associate Professor
DBT Co-Ordinator : Dr. B. Makesh Kumar,
Head, Department of Botany

Co-Ordinators :
Dr. A. Pandiarani
Dr. E. Suciia
Dr. R. Krishnaveni
Dr. N. Shunmugapriya
Mrs. S. Mariammal
Ms. S. Sivabala
Mrs. G. Jethruth Thresa
Ms. M. Alagu Ramalakshmi

DATE & TIME:
10.12.2020 _ 10 a.m.
11.12.2020 _ 10 a.m.
Google Meet Link:
<https://meet.google.com/iok-serx-qpn?hs=122&authuser=0>

Caption : Invitation

Photo 2

The screenshot shows a LaTeX editor interface on a mobile device. The top status bar shows 4G connectivity, 53K/s speed, 11:39 AM, and 27% battery. The app has a red 'REC' button at the top. The editor displays LaTeX code for defining a set of natural numbers and a union operation. The rendered output on the right shows the mathematical notation: "The set of nat", "Let $A, B \subseteq U$ ", and " $A \cup B = \{x \in U \mid x \in A \vee x \in B\}$ ". At the bottom, there is a Google Meet link: <https://meet.google.com/iok-serx-qpn?hs=122&authuser=0>.

Caption : [http://meet.google.com/iok-serx-qpn?hs=122&authuser=0](https://meet.google.com/iok-serx-qpn?hs=122&authuser=0)

March (2020-2021) Month Report



7. Name & Title of the Activity: Students Enrichment Programme - “Two days Training Programme on LATEX”

Date & Venue: 09.03.2021 – 10.03.2021 & Meeting Hall

Beneficiary & Number of Beneficiaries: Students – 120, Faculty - 10

Brief Description	Outcome
-------------------	---------



<p>Latex is a document preparation system, which handles the type setting of mathematical expressions smoothly and elegantly. It has become the standard format for the creation and publication of research articles in Mathematics and many scientific fields. This skill is very useful for the students when they will go to their higher studies.</p>	<ul style="list-style-type: none"> ● Install and use Latex ● Write documents containing mathematical formulas ● Draws graphs and figures in LaTeX ● Prepare presentation using LaTeX ● Write articles in different journal styles.
<p align="center">Photo 1</p>	<p align="center">Photo 2</p>
	
<p align="center">Caption: Invitation</p>	<p align="center">Caption:</p> <ol style="list-style-type: none"> 1. Dr. N. Mohamed Rilwan gives a face to face lecture to our students on 09.03.2021 2. Dr. N. Shunmugapriya gives a face to face lecture to our students on 10.03.2021



8. Name & Title of the Activity: Students Enrichment Programme – Two days Training on “Mathematics for Competitive Examinations”

Date & Venue: 11.03.2021 – 12.03.2021 & Meeting Hall

Beneficiary & Number of Beneficiaries: Students – 130, Faculty - 10

Brief Description	Outcome
-------------------	---------



<p>This programme gives the students to get Job opportunities, to meet the challenges in future. To qualify themselves National Eligibility Test.</p>	<p>To enrich their divergent thinking, creativity skills and reasoning ability.</p>
<p align="center">Photo 1</p>	<p align="center">Photo 2</p>
	
<p align="center">Caption: Invitation</p>	<p align="center">Caption: Dr. C. Sekar gives a face to face lecture to our students on 11.03.2021 & 12.03.2021</p>

9. Name & Title of the Activity: Students Enrichment Programme -

Mathematics in Real Life Situation

Date & Venue: 18.03.2021 & Meeting Hall

Beneficiary & Number of Beneficiaries: Students – 120, Faculty - 10

Brief Description	Outcome
-------------------	---------



Mathematics is a language of itself which explains the philosophy of human life in nature. Mathematics has so many avenues to understand each and every concept that we adopt in our life. The algebraic and analytical structure that learned through mathematics will create logical thinking in order to realize different situations in our real life

A human being can lead a smooth and productive life if he/she understand mathematics in a proper way.

Photo 1



Caption: Invitation

Photo 2



**Caption: Dr. M. Sankar gives a face to
facelecture to our students on
18.03.2021**

10. Name & Title of the Activity: Student Enrichment Programme -

Vision of Students & Skill Development of Life

Sciences Date & Venue: 24.03.2021 & Google meet Platform

Beneficiary & Number of Beneficiaries: Students - 125, Faculty - 10



Brief Description	Outcome
Degreed Career Mobility is a dynamic opportunity marketplace that connects your people to the projects, gigs, assignments, and jobs that matter most to your business right now. They stretch their skills and advance their careers. You seize opportunities.	This Enriched programme provide us the knowledge of various job opportunities found around us and helpful for the graduates , a guiding light for their upcoming career.
Photo 1	Photo 2
Caption : Invitation	Caption: http://meet.google.com/uqt-kcpt-xfr?hs=122&authuser=0

DBT Coordinator

PRINCIPAL

ANNEXURE – I

BACHELOR OF SCIENCE in Chemistry

Course Structure and Scheme of Examinations

(For students admitted from the academic year 2020-2021 and onwards)



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.



The Course Structure contains different types of courses namely core and elective courses, Skill Enhancement Courses, Ability Enhancement Courses, Employability Enhancement Courses, Self-Study Courses, MOOC Courses and Laboratory Courses, Mini Project/ Field Training/ Industry Training, Major Project/ Dissertation, Extension activities (NSS/NCC/YRC/SPORTS etc.). The Course Structure with the no. of Courses per Semester, credit allotment and Contact hours per week for each course in each category of UG Programme are presented in the following tables.

Category	Course Type	Course Code	Course Title	Contact Hours	Exam Hours	Marks			Credit
						CIA	ESE	Total Marks	
Semester-1									
PART-I	Language	U20TA1L1	Tamil –I	6	3	25	75	100	
PART-I I	English	U20EN1L1	English for Enrichment–I	6	3	25	75	100	
PART-I II	Core – 1	U20CH101	Inorganic Chemistry – I	4	3	25	75	100	
	Core – 2	U20CH102	Physical Chemistry – I	4	3	25	75	100	
	Core Practical – 1	U20CH2P1	Inorganic Quantitative Analysis(Volumetric Method)	2	-	-	-	-	
	Additional Core-1	U20PS1PE	Professional English for Physical Sciences-I	-	3	25	75	100	
	Elective Generic – 1 (Allied)	U20MA1A1	Theory of Equations and Matrices	4	3	25	75	100	
		U20ZO1A1	Cell Biology, Genetics, Animal Physiology &Ecology	4	3	25	75	100	
	Elective Generic Practical –1 (Allied)	U20MA2AP	Statistics for Physical Sciences-I	2	-	-	-	-	
		U20ZO2AP	Cell Biology, Genetics, Animal Physiology,Ecology&Eco nomic Zoology	2	-	-	-	-	
PART-I V	Ability Enhancement: 1	U20AE101	Environmental Studies	2	2	-	50	50	
TOTAL				30				650	



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.



Semester-II								
PART-I	Language	U20TA2L2	Tamil-II	6	3	25	75	100
PART-I I	English	U20EN2L2	English for Enrichment– II	6	3	25	75	100
PART-I II	Core – 3	U20CH203	Inorganic Chemistry – II	4	3	25	75	100
	Core – 4	U20CH204	Organic Chemistry – I	4	3	25	75	100
	Core Practical -1	U20CH2P1	Inorganic Quantitative Analysis(Volumetri c Method)	2	3	40	60	100
	Additional Core-2	U20PS2PE	Professional English for Physical Sciences-II	-	3	25	75	100
	Elective-Gener ic- 2 (Allied)	U20MA2A2	Vector Calculus	4	3	25	75	100
		U20ZO2A2	Economic Zoology	4	3	25	75	100
	Elective Generic Practical –1 (Allied)	U20MA2AP	Statistics for Physical Sciences-I	2	3	40	60	100
		U20ZO2AP	Cell Biology, Genetics, Animal Physiology, Ecology& Economic Zoology	2	3	40	60	100
	Comprehensio n - I (Self Study Course- Online Examination)	U20CH2C1	Comprehension in Chemistry – I	-	1	-	50	50
PART-I V	Foundation Course	U20FC201	Yoga & Value Education	2	-	50	-	50
TOTAL				30				900



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.



Semester-III									
PART-I	Language	U20TA3L3	Tamil-III	6	3	25	75	100	
PART-I I	English	U20EN3L3	English for Enrichment– III	6	3	25	75	100	
PART-I II	Core – 5	U20CH305	Organic Chemistry – II	6	3	25	75	100	
	Core Practical -2	U20CH4P2	Inorganic Qualitative Analysis	2	-	-	-	-	
	Elective Generic – 3 (Allied)	U20PH3A3	Allied Physics – I	4	3	25	75	100	
	Elective Generic Practical – 2 (Allied)	U20PH4AP	Allied Physics Practical – I	2	-	-	-	-	
PART-I V	Employability Enhancement:1	U20CH3EEA	Applied Chemistry	2	-	50	-	50	
		U20CH3EEB	Agro Chenistry						
	Ability Enhancement:2	U20AE302	Media and Information Literacy Communication	2	2	-	50	50	
TOTAL				30				500	
Semester-IV									
PART-I	Language	U20TA4L4	Tamil-IV	6	3	25	75	100	
PART-I I	English	U20EN4L4	Enriching English – IV	6	3	25	75	100	



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KOVILPATTI – 628 502.



PART-I II	Core – 6	U20CH406	Inorganic Chemistry-III	4	3	25	7 5	100	
	Core – 7	U20CH407	Physical Chemistry-II	4	3	25	7 5	100	
	Core Practical -2	U20CH4P2	Inorganic Qualitative Analysis	3	3	40	6 0	100	
	Elective Generic-4 (Allied)	U20PH4A4	Allied Physics – II	4	3	25	7 5	100	
	Elective Generic Practical - 2 (Allied)	U20PH4AP	Allied Physics Practical – II	2	3	40	6 0	100	
	Comprehension – II (Self Study Course- Online Examination)	U20CH4C2	Comprehension in Chemistry – II	-	1	0	5 0	50	
	Core Institutional Training/Minor Project	U20CH5IT	Institutional Training/ Minor Project	-	-	-	-	-	
PART-I V	Skill Enhancement:1	U20SE4S1	Women Studies	2	2	-	5 0	50	
TOTAL				30				800	
Semester-V									
Part III	Core - 8	U20CH508	Inorganic Chemistry IV	5	3	25	75	100	
	Core – 9	U20CH509	Organic Chemistry – III	5	3	25	75	100	
	Core – 10	U20CH510	Physical Chemistry –III	5	3	25	75	100	



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	Core Practical -3	U20CH6P3	Inorganic Quantitative Analysis (Gravimetric Method&Inorganic Preparations)	3	-	-	-	-
	Core Practical-4	U20CH6P4	Organic Analysis, Organic Preparations & Determination of Physical Constants	3	-	-	-	-
	Core 5 Practical - 5	U20CH6P5	Physical Chemistry Experiments	2	-	-	-	-
	Core Elective-1	U20CH5E1 A	Advance Analytical Chemistry	5	3	25	75	100
		U20CH5E1B	Green Chemistry					
		U20CH5E1C	Nano Chemistry					
Core Institutional Training/ Minor Project	U20CH5IT	Institutional Training / Minor Project	-	-	40	60	100	
PART-I V	Employability Enhancement –2	U20CH5EE A	Chemistry of Food, Nutrition and Preservation	2	-	50	-	50
		U20CH5EE B	Water Management					
PART-V	Proficiency Enhancement Courses -	General Studies		Completion				
	Self Study Courses	MOOC (Online)		Completion				



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KOVILPATTI – 628 502.



TOTAL				30				550	
Semester-VI									
PART-I II	Core – 11	U20CH611	Organic Chemistry –IV	5	3	25	75	100	
	Core – 12	U20CH612	Physical Chemistry –IV	5	3	25	75	100	
	Core Practical -3	U20CH6P3	Inorganic Quantitative Analysis (Gravimetric Method) & Inorganic Preparations	3	6	40	60	100	
	Core Practical – 4	U20CH6P4	Organic Analysis, Organic Preparations & Determination of Physical Constants	3	6	40	60	100	
	Core- Practical-5	U20CH6P5	Physical Chemistry Experiments	2	6	40	60	100	
	Core Elective -2	U20CH6E2A	Polymer Chemistry	5	3	25	75	100	
		U20CH6E2B	Pharmaceutical Chemistry						
		U20CH6E2C	Industrial Chemistry						
	Major Group Project & Viva	U20CH6MP	Major Group Project & Viva	5	3	40	60	100	
	Comprehension - III (Self Study Course- Online Exam)	U20CH6C3	Comprehension in Chemistry – III	-	1	-	50	50	



PART-I V	Skill Enhancement – 2	U20CH6S2	Computers for Chemists	2	2	-	50	50	
	Extra Department Course Open Elective -Self Study Course	To be selected from the Courses offered by other Departments		-	3	-	100	100	
	Spoken Tutorial(Self Study Course - Online)			Completion					
PART-V	Extension Activities - NSS, NCC, YRC, Physical Education, Consumer Club, Youth Welfare, Nature Club & Electoral Literacy Club / SwachhBharath (Department Extension Activity)			-	-	-	-	Compl etion	
	TOTAL			30				900	

Part-III B.Sc. Chemistry / Semester – I &II / Core Practical I : Inorganic

Quantitative Analysis (Volumetric method)

Category	Course Type	Course Code	Course Title	Lecture (L)	Tutorial (T)	Practical (P)	Credit (C)
Part – III	Core Practical I	U20CH2P1	Inorganic Quantitative Analysis (Volumetric method)	-	-	60	2

Contact hours per Semester: 30

Contact hours per week: 2



Year	Semester	Internal Marks	External Marks	Total Marks
First	First & Second	40	60	100

Semester I & II (Course content)

INORGANIC QUANTITATIVE ANALYSIS (VOLUMETRIC METHOD)

I. Calibration of Volumetric Apparatus: Burette, Pipette and Standard flasks

II. Making up of solutions

III. Acidimetry and alkalimetry

1. Estimation of oxalic acid – Std. oxalic acid
2. Estimation of Na_2CO_3 – Std. Na_2CO_3
3. Estimation of hydrochloric acid – Std. oxalic acid

IV. Permanganometry

4. Estimation of sodium oxalate – Std. oxalic acid
5. Estimation of ferrous ammonium sulphate – Std. ferrous ammonium sulphate
6. Estimation of ferrous sulphate – Std. oxalic acid

V. Iodometry

7. Estimation of copper – Std. copper sulphate
8. Estimation of $\text{K}_2\text{Cr}_2\text{O}_7$ – Std. $\text{K}_2\text{Cr}_2\text{O}_7$

VI. Dichrometry

9. Estimation of ferrous iron – Std. ferrous ammonium sulphate
10. Estimation of $\text{K}_2\text{Cr}_2\text{O}_7$ – Std. $\text{K}_2\text{Cr}_2\text{O}_7$

VII. Complexometry

11. Estimation of Zn – Std. ZnSO_4
12. Estimation of Pb – Std. ZnSO_4
13. Estimation of Mg – Std. ZnSO_4
14. Estimation of Ca – Std. ZnSO_4
15. Estimation of Mn – Std. ZnSO_4
16. Estimation of Cu – Std. CuSO_4
17. Estimation of Ni – Std. Nickel ammonium sulphate

VIII. Water Analysis:

18. Estimation of Total Hardness (Permanent, Temporary hardness)

(Any Eight Estimations from the above mentioned Volumetric Estimations have to be recorded)

Text Books:

1. G.H. Jeffery, J. Bassett, J. Mendham and R.C. Denny 'Vogel's Text book of Quantitative Chemical



**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



Analysis', ELBS, London, 5th Edition, 1989.

2. D.N Bajpai, O.P. Pandey, S. Gini, Practical Chemistry, for I, II & III BSc Students. S.Chand & Company Ltd, 30th Edition, 2013.

Reference books:

1. I.M.Kolthoff and E.A.Sanderson, Quantitative Chemical Analysis, Macmillan, Madras, 1980.
2. V.K.Ahluwalia, SunithaDhingra, AdarshGulateCollegePractical Chemistry, Universities Press (India) Pvt Ltd, 2008(reprint).

ANNEXURE – 2

Department of Chemistry Activities for 2018-2019

S.NO	DATE	DETAILS OF THE PROGRAM	RESOURCE PERSONS
1	13.10.2018	"Face the Future"	Dr. P. R. Jeya Krishnan, Educationist, Kovilpatti
2	11.10.2018	"Green Chemistry in Textile Industry"	Ms. V. Santhanalakshmi, Assistant Professor and Head, Department of Costume Design and Fashion, Self- financing Courses
3	16.04.2019	"Computers for Modern era"	Dr. B. Mahesh Kumar, Assistant Professor and Head, Department of Botany
4	10.10.2018	"How to prepare for competitive exams"	Mr. R. Varatharajan, RVS IAS academy, Kovilpatti

ANNEXURE – 3

Department of Chemistry Activities for 2019-2020

DBT STAR COLLEGE SCHEME ACTIVITY

October(2020-2021)Month Report

1. Name & Title of the Activity: One day State Level Webinar on "Electrochemical biosensors: Emerging trends and applications"


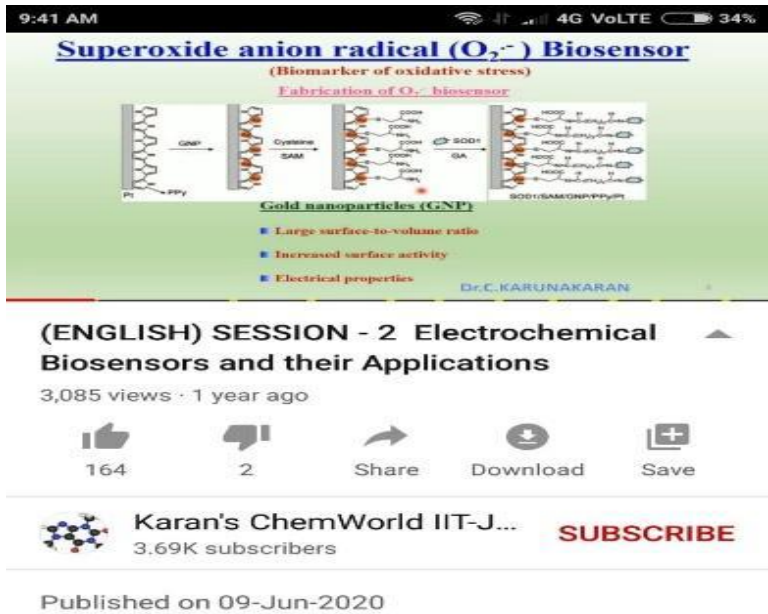
Date & Venue: 18.06.2020 & YouTube, Zoom App

Beneficiary & Number of Beneficiaries: Students,

Faculties and Research Scholars & 150

Brief Description	Outcome
-------------------	---------



<p>Electrochemical biosensors is an emerging field. The electrochemical biosensors find application in the identification of disease causing biomarkers and they translate the chemical signal into an electrical signal. They are able to detect various biomolecules in the human body such as glucose, cholesterol, uric acid, lactate, DNA, Haemoglobin etc. Thus they have great potential to treat diseases caused by imbalance of biomolecules. They are widely used in biosensing and biosensing–drug delivery applications</p>	<p>Students will be able to know about the construction and working principles of biosensors understand the techniques used in biosensor studies and also about the recent trends in biosensor development.</p>
<p>Photo1</p> 	<p>Photo2</p> 
<p>Caption: Invitation</p>	<p>Caption: Youtube & Zoom App</p> <p>Links: https://youtu.be/4PvOLVzHV3g</p> <p>https://youtu.be/ER6YIeYjluY</p> <p>https://zoom.us/j/94602599567?pwd=YWk0U3JieUJ0UG1WR0hHZkhwamtNUT09</p>

2. Name & Title of the Activity: One day State Level Webinar on “Chemistry the Central Science in Everyday Life”

Date & Venue: 22.10.2020 & Google Meet

Platform Beneficiary & Number of Beneficiaries:

Students & 100

Brief Description	Outcome
-------------------	---------



Chemistry plays a major role in, coordinating physics, biology, geology Medicine, engineering etc., It provides a methodology to understand the molecules that compose cells.	Students will be able to see and appreciate the importance of Chemistry in every sphere of life Know about the chemicals used in day to day life understand the various biochemical reactions occurring inside our body understand the various chemical processes encountered in day to day life know the higher educational opportunities in India and Abroad
Photo1	Photo2
Caption: Invitation	Caption: Google meet recorded picture Link: https://meet.google.com/wxz-fxif-ewf

3. Name&TitleoftheActivity:State LevelWebinaron“Lithium ion batteries”

Date & Venue: 27.10.2020

Platform: Google meet

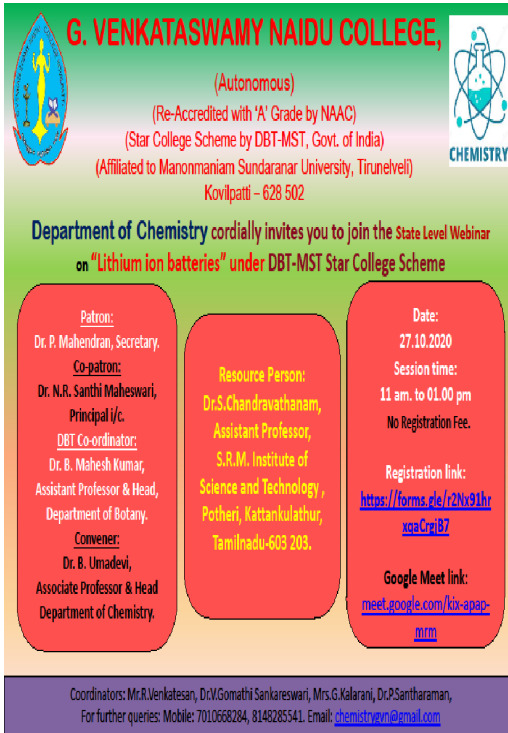
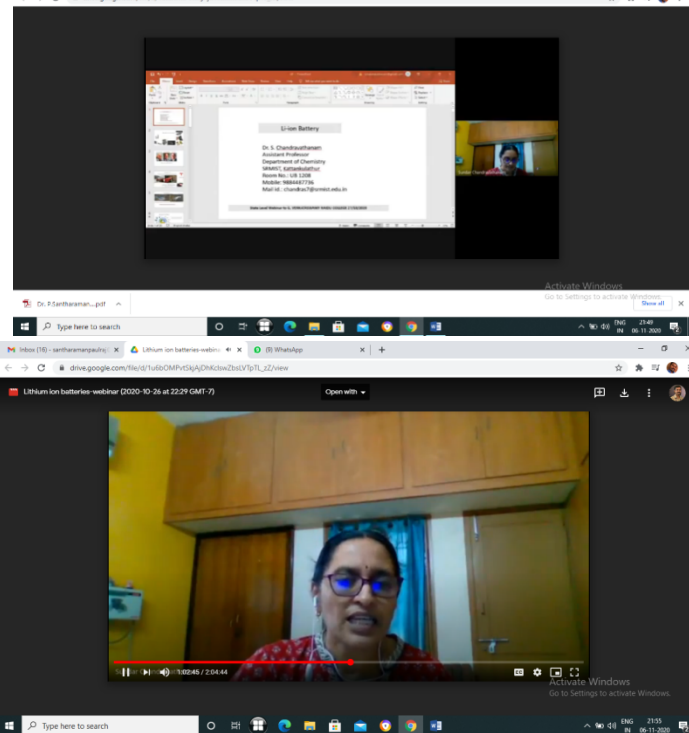
Beneficiary& Number ofBeneficiaries:Students :
90

BriefDescription	Outcome
Lithium ion battery is a type of rechargeable battery. They are commonly used in portable electronic devices and electric vehicles and also have military and aerospace applications.	Students will be able to understand the theory behind lithium ion batteries know about the maintenance of Li ion batteries their environmental impact and their future aspects.
Photo1	Photo2



**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



 <p>G. VENKATASWAMY NAIDU COLLEGE, (Autonomous) (Re-Accredited with 'A' Grade by NAAC) (Star College Scheme by DBT-MST, Govt. of India) (Affiliated to Manonmaniam Sundaranar University, Tirunelveli) Kovilpatti – 628 502</p> <p>Department of Chemistry cordially invites you to join the State Level Webinar on "Lithium ion batteries" under DBT-MST Star College Scheme</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Patron: Dr. P. Mahendran, Secretary.</p> <p>Co-patron: Dr. N.R. Santhi Maheswari, Principal i/c, DBT Co-ordinator; Dr. B. Mahesh Kumar, Assistant Professor & Head, Department of Botany.</p> <p>Convener: Dr. B. Umadevi, Associate Professor & Head Department of Chemistry.</p> </div> <div style="width: 30%;"> <p>Resource Person: Dr.S.Chandrasekharan, Assistant Professor, S.R.M. Institute of Science and Technology, Potheri, Kattankulathur, Tamilnadu-603 203.</p> </div> <div style="width: 30%;"> <p>Date: 27.10.2020</p> <p>Session time: 11 am. to 01.00 pm</p> <p>No Registration Fee.</p> <p>Registration link: https://forms.gle/2Nv91hrvgaCrg187</p> <p>Google Meet link: meet.google.com/kix-apap-mrm</p> </div> </div> <p><small>Coordinators: Mr.R.Venkatesan, Dr.VGomathi Sankareswari, Mrs.G.Kalarani, Dr.P.Santharaman, For further queries: Mobile: 7010668284, 8148285541. Email: chemistryvn@gmail.com</small></p>	
<p>Caption: Invitation</p>	<p>Caption: Google meet recorded picture Link : http://meet.google.com/kix-apap-mrm</p>

4. Name&TitleoftheActivity:State level webinar on *“Writing a Scientific Manuscript and Scientific Research Proposal – Key Points to Remember”*
Date & Venue: 30.10.2020 & Google Meet Platform
Beneficiary& NumberofBeneficiaries: Faculties & 60

BriefDescription	Outcome
Writing a scientific manuscript for publication is an important yet challenging task for academic community. For this purpose a webinar was organized for teaching faculty to make them aware of the fundamentals and key points to be remembered while the writing of scientific manuscript and/or research proposal	Faculties and research scholars will be able to know about the important preparatory steps for writing a good manuscript maintain ethical practices in scientific research and understand the norms of preparing a good manuscript and /or research proposal
Photo1	Photo2



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.




G. VENKATASWAMY NAIDU COLLEGE,
(Autonomous)
(Re-Accredited with 'A' Grade by NAAC)
(Star College Status by DBT-MST, Govt. of India)
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)
Kovilpatti – 628 502

Department of Chemistry
(under DBT-MST Star College Scheme)

cordially invites you to join the **State Level Webinar on**
"Writing a Scientific Manuscript and Writing Research Proposal – Key Points to Remember"

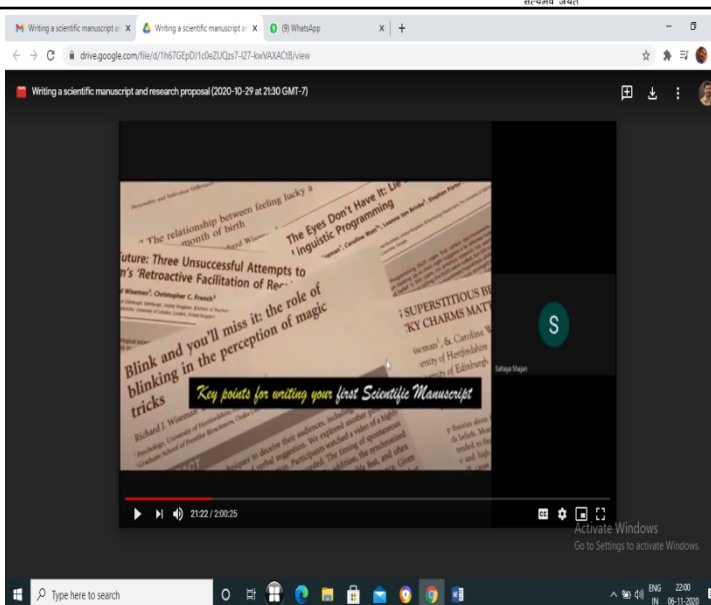
Patron:
Dr. P. Mahendran, Secretary,
Co-patron:
Dr. N.R. Santhi Maheswari,
Principal i/c.
DBT Co-ordinator:
Dr. B. Mahesh Kumar,
Assistant Professor & Head,
Department of Botany.
Convener:
Dr. B. Umadevi,
Associate Professor & Head
Department of Chemistry

Resource Person:
Dr. X. Sahaya Shajan,
Director
(Academics & Research),
PSN College of
Engineering Technology,
Tirunelveli.

Date:
30.10.2020
Session time:
10 am. to 12.00 noon
No Registration Fee.
Registration link:
<https://forms.gle/7hWBT5aKQMo3kmFV9>
Google Meet link:
meet.google.com/wof-wtkz-txj

Coordinators: Mr.R.Venkatesan, Dr.V.Gomathi Sankareswari, Mrs.G.Kalarani, Dr.P.Santharaman,
For further queries: Mobile: 7010668284, Email: chemstryevn@gmail.com

Caption: Invitation



Caption: Google meet recorded picture

Google Meet link: meet.google.com/wof-wtkz-txj

5. Name&TitleoftheActivity:State Level Webinaron“Computers for Chemistry Students”

Date & Venue: 21.11.2020 & Google Meet Platform


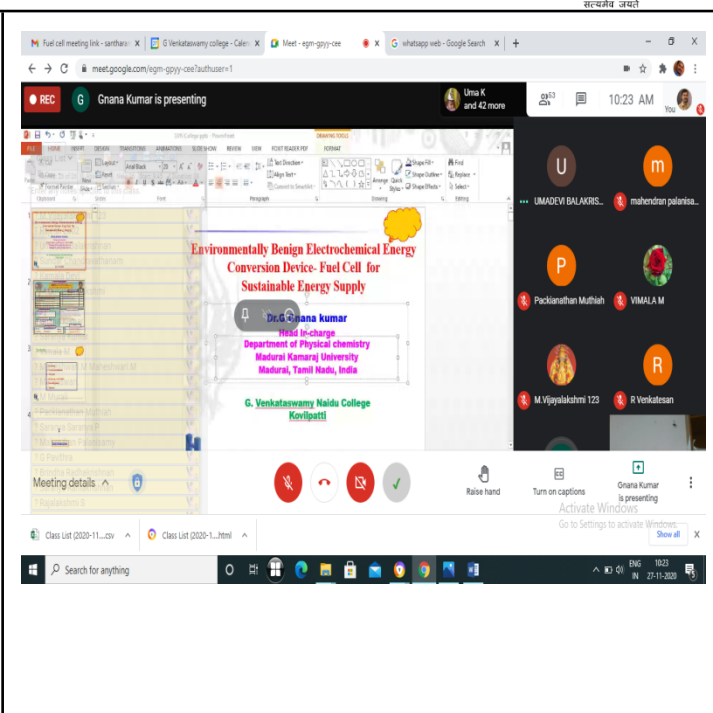
Beneficiary& Number ofBeneficiaries: Students & 85

BriefDescription	Outcome
<p>The new generation Chemists operate (or at least, interact with) most of their instruments through a computer, draw graphs and diagrams using various computer software . .</p>	<p>Students will be able to</p> <p>know the application of computers in Chemistry.</p> <p>understandthe development of an entirely new branch of chemistry where chemical reactions are performed inside the computer!</p> <p>know about the revolutionary branch of Chemistry, namely, Computational Chemistry.</p> <p>learn about molecular dynamics and computer l simulations of protein molucules.</p>
Photo1	Photo2



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS) KOVILPATTI – 628 502.



 <p>G. VENKATASWAMY NAIDU COLLEGE (Autonomous), (Re-Accredited with 'A' Grade by NAAC) (Star College Scheme by DBT-MSI, Govt. of India) (Affiliated to Manonmaniam Sundaranar University, Tirunelveli) Kovilpatti – 628 502.</p> <p>DEPARTMENT OF CHEMISTRY (under DBT-MSI Star College Scheme) cordially invites you to join the State Level Webinar on "Environmentally Benign Electrochemical Energy Conversion Device - Fuel Cells for Sustainable Energy Supply"</p> <p>Date: 27.11.2020 & Session Time: 10:00 am to 12:00 noon No Registration Fee</p> <p>Google Meet Link: https://meet.google.com/egm-gpyy-cee</p> <p>Resource Person : Dr. G. Gnana Kumar, Head in-charge, Department of Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai.</p> <p>Patron : Dr. P. Mahendran, Secretary, Co-patron : Dr. N.R. Santhi Maheswari, Principal (i/c), DBT Coordinator : Dr. B. Mahesh Kumar, Asst. Prof. & Head, Department of Botany, Convener : Dr. B. Umadevi, Asso. Prof. & Head, Department of Chemistry.</p> <p>Organized by: Department of Chemistry, For further queries: Mobile: 7010668284. Email:</p>	 <p>Environmentally Benign Electrochemical Energy Conversion Device- Fuel Cell for Sustainable Energy Supply</p> <p>Dr. G. Gnana Kumar Head in-charge Department of Physical Chemistry Madurai Kamaraj University Madurai, Tamil Nadu, India</p> <p>G. Venkataswamy Naidu College Kovilpatti</p>
<p>Caption: Invitation</p>	<p>Caption: Google meet recorded picture</p> <p>Google Meet Link: https://meet.google.com/egm-gpyy-cee</p>

December(2020-2021)MonthReport

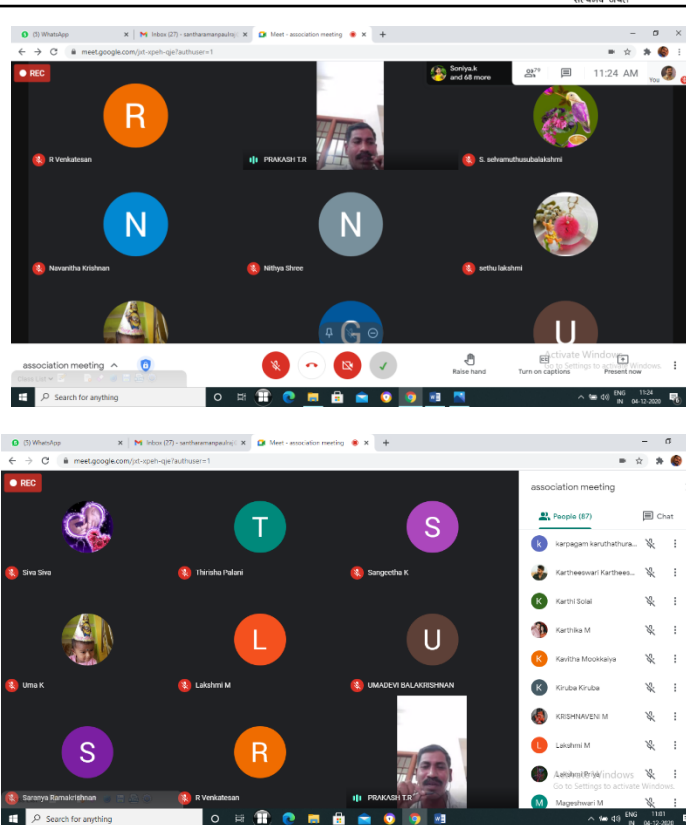
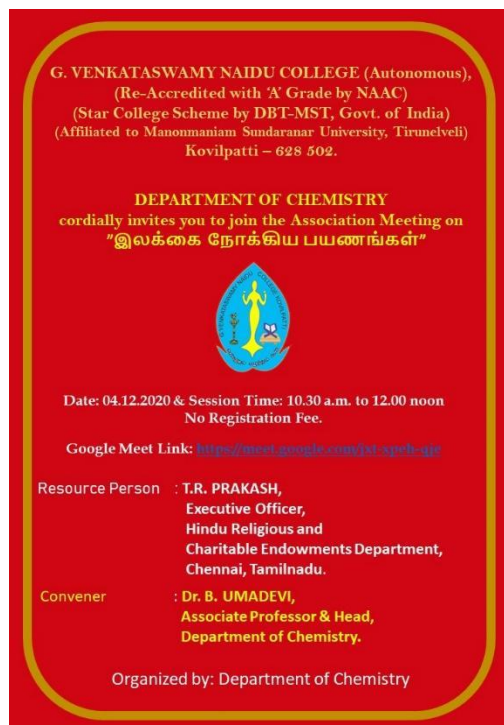
7. Name&TitleoftheActivity: Association Meeting on

“இலக்கைநோக்கியபயணங்கள்”

Date & Venue: 04.12.2020 & Google meet platform

Beneficiary&Numberof Beneficiaries: Students & 100

Brief Description	Outcome
<p>In India, the Government sector is one of the largest employment providing sectors and every year lakhs of candidates are given an opportunity to join this sector and enjoy the perks of being a Govt. employee. With proper guidance and hard work, one can easily crack any competitive exam.</p>	<p>Students will be able to know about various employment opportunities in the Government sector knowabout Group Service examinations conducted by the State and Union Governments. know few tips and tricks to to study and crack competitive exams</p>
<p>Photo1</p>	<p>Photo2</p>



Caption: Invitation

Caption: Google meet recorded picture

Google Meet Link:

<https://meet.google.com/jxt-xpeh-qje>

8. Name&TitleoftheActivity: Training Programme on “Laboratory Safety and First Aid”

Date & Venue: 13.02.2021 – Meeting Hall (Room No: 60)

Beneficiary&NumberofBeneficiaries: Students & Lab assistants & Faculties
150

BriefDescription	Outcome
Many laboratories contain significant risks including high voltages, corrosive and toxic chemicals and chemical vapours, radiation hazards, fire explosions and bio hazards and the prevention of laboratory accidents requires great care and constant vigilance. Measures to protect against laboratory accidents include safety and first aid training and enforcement of laboratory safety guidelines	<p>Faculties, lab technicians and students will be able to</p> <p>Recognize the hazards, assess risks, minimize risks and prepare for emergencies</p> <p>Reduce the risk of injury, decrease the risk of property loss and minimize environmental damage</p> <p>Know proper laboratory practices and safe working conditions</p> <p>Perform the immediate care when a person is injured or ill until full medical treatment is available</p>



**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
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Photo1	Photo2
	
Caption: Invitation	Caption: Demo during the Training Programme on "Laboratory Safety and First Aid"

March (2020-2021) Month Report

9. Name&TitleoftheActivity:One Day Training Programme on PREPARATION OF HOUSEHOLD PRODUCTS OF DAY-TO-DAY USE"

Date & Venue: 10.03.2021& Seminar Hall

Beneficiary&NumberofBeneficiaries: Students & 110

Brief Description	Outcome
<p>Soaps, Detergents, Pain palm, phenoyl, floor cleaner, soap oil, washing powder, dish wash oil, cleaning powder, perfumes are some of the household products ,used in our daily life, which can be prepared at home in a cost effective manner,</p>	<p>Students are able to prepare some of the chemical products used in our daily life such as pain palm, phenoyl, floor cleaner, soap oil, washing powder, dish wash oil and cleaning powder in small scale at home for their personal use and also for income generation.</p>
Photo1	Photo2



**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



<p align="center">G. VENKATASWAMY NAIDU COLLEGE (Autonomous) (Re-Accredited with 'A' Grade by NAAC) (Star College Scheme by DBT-MST, Govt. of India) (Affiliated to Manonmaniam Sundaranar University, Tirunelveli) Kovilpatti – 628 502.</p> <p align="center">DEPARTMENT OF CHEMISTRY organises</p> <p align="center">One Day Training Programme on "PREPARATION OF HOUSEHOLD PRODUCTS OF DAY-TO-DAY USE" under DBT-MST Star College Strengthening UG Science Scheme</p>  <p>Date: 10.03.2021 (Wednesday) & Session Time: 10.00 a.m. to 4.00 p.m.</p> <p>Resource Person : Mr. M. Ashok Kumar SHG-Trainer, Kovilpatti.</p> <p>Patron : Dr. P. Mahendran, Secretary.</p> <p>Co-patron : Dr. N.R. Santhi Maheswari, Principal (i/c).</p> <p>DBT Coordinator : Dr. B. Mahesh Kumar, Asst. Prof. & Head, Department of Botany.</p> <p>Convener : Dr. B. Umadevi, Asso. Prof. & Head, Department of Chemistry.</p> <p align="center">All are Cordially Invited</p> <p align="center">Organized by: Department of Chemistry, For further queries: Mobile: 7010668284. Email: chemistrygvn@gmail.com</p>	 
<p>Caption: Invitation</p>	<p>Caption: Demo on the preparation of phenoylin the Training programme</p>

10. Name&TitleoftheActivity: Two days students enrichment programme on “Challenging Quantitative Aptitude”

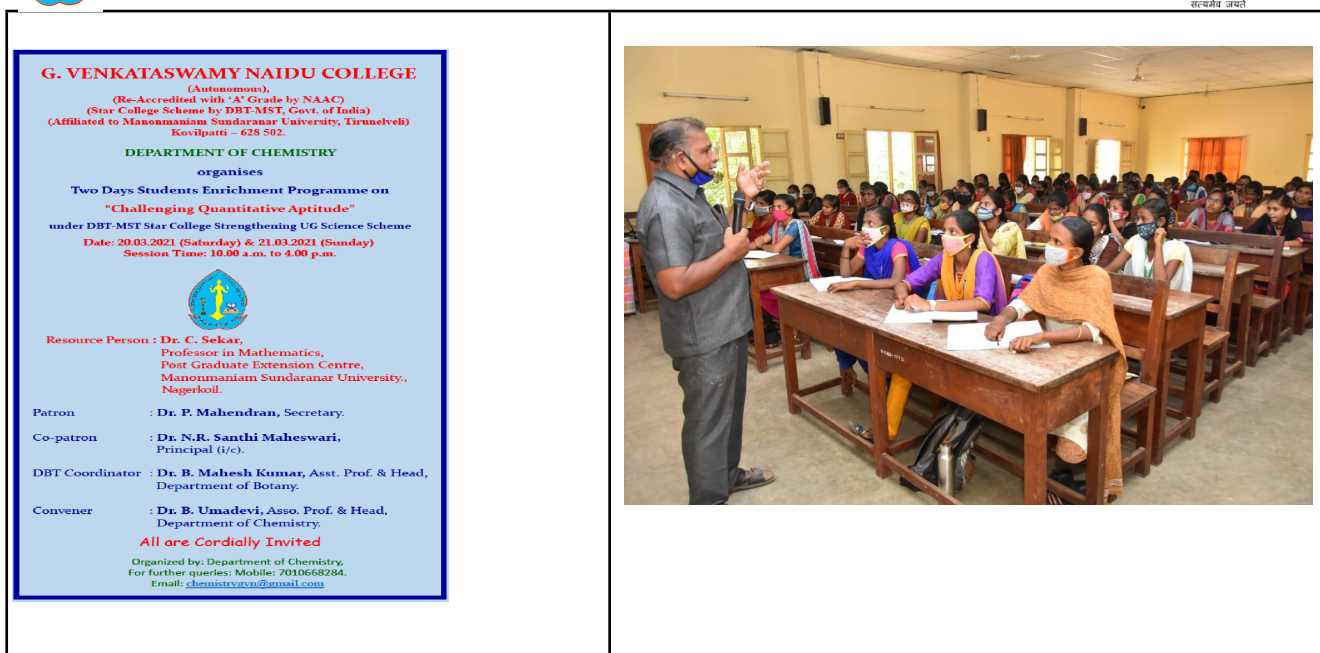
Date & Venue: 20.03.2021& 21.03.2021 & Meeting

Hall (Room No: 60)

Beneficiary&NumberofBeneficiaries: Students &

150

BriefDescription	Outcome
<p>Quantitative aptituderefersto the ability to solve numerical problems and to handle numerical data. In most of the Exams, Quantitative Aptitude test is conducts as part of the written Exam.</p>	<p>Students will be able to</p> <p>Analyse data and solve problems</p> <p>Demonstrate procedural fluency with real number arithmetic operations</p> <p>know the shortcut methods and avoid time consuming steps while solvingmaths questions in competitive examinations</p>
<p>Photo1</p>	<p>Photo2</p>



Caption: Invitation

**Caption: Two days Students Enrichment
programme on “Challenging Quantitative
Aptitude”**

11.Name&TitleoftheActivity: Webinar on “Emerging trends in Nano and Green chemistry”

1. Date & Time: 24.03.2021; 11.30a.m. -1p.m.

**Topic: Exploiting the intrinsic Electronics of
nucleic acids and proteins for molecular detection**

**2. Date & Time: 25.03.2021; 10.30
a.m.-11.30a.m. Session 1**

**Topic: Green Synthesis of nano structures and its
colorimetric and fluorescence detection of metal
ions and**

biomolecules

Session 2:11.30a.m. -12.30 p.m.

**Topic: Fundamental concepts of nano science and
electrochemistry and its advance applications**

3. Date& Time: 26.03.2021 11.30 a.m.-1 p.m.


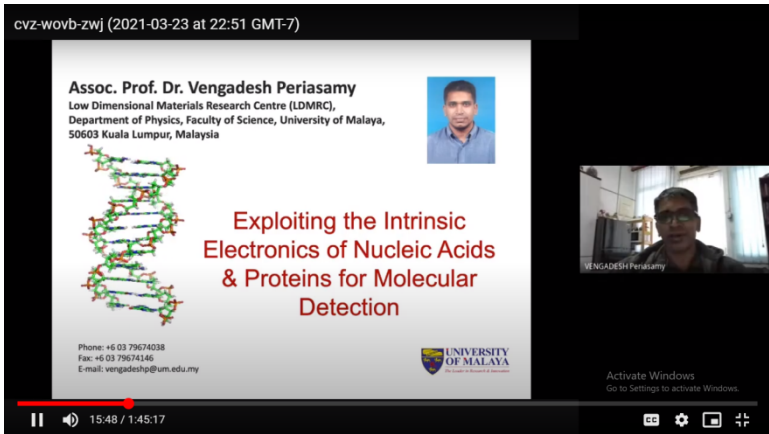
**Topic: Intricacies and solutions for the
development of 3D nanoarchitectures for the green
energy generation applications**

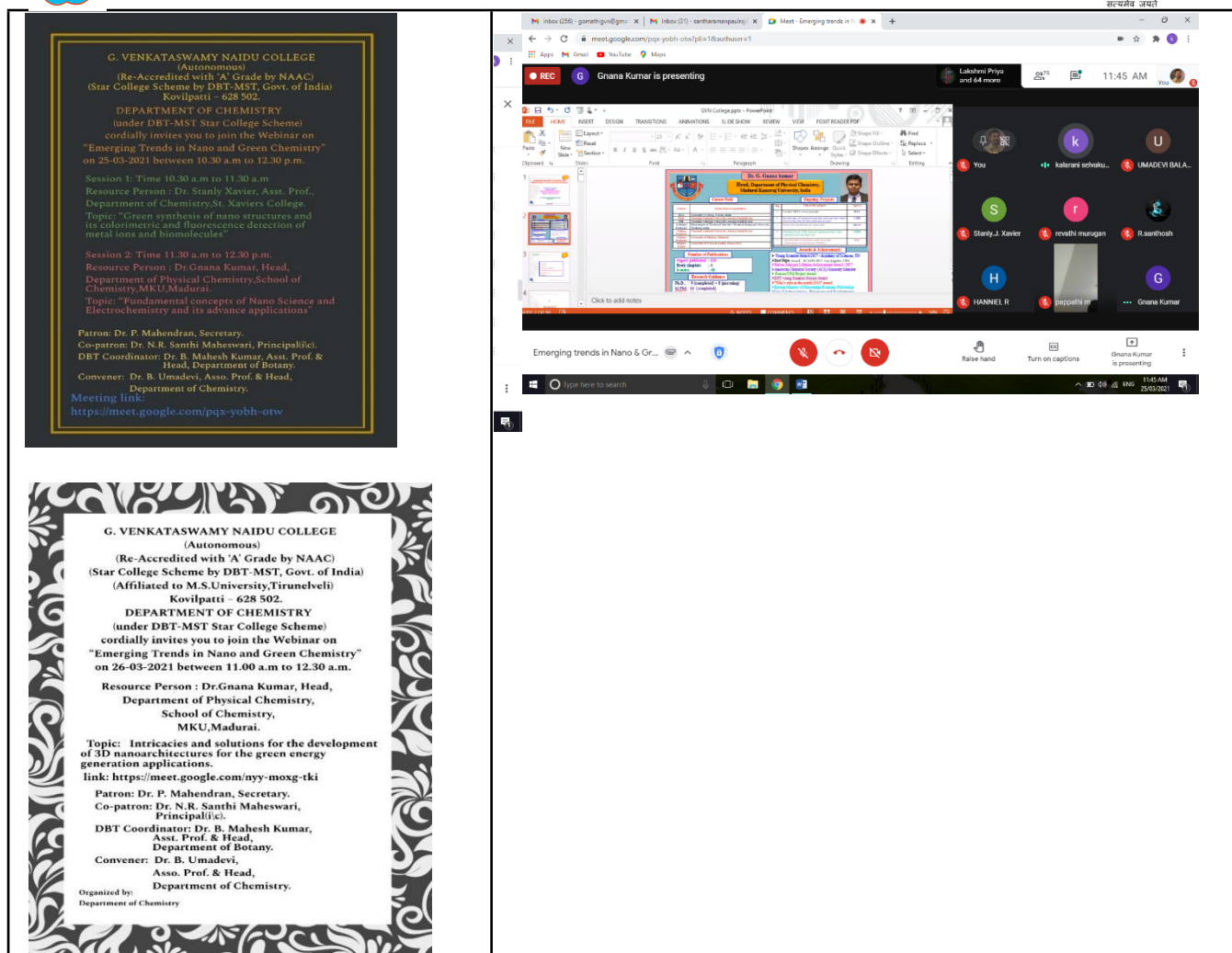
Venue: Google Meet Platform

Beneficiary&NumberofBeneficiaries:Students

&100



BriefDescription	Outcome
<p>Nano chemistry and Green chemistry are two emerging fields of Chemistry. Nano Chemistry is the study of Chemistry at nano scale and it finds application in medicine biotechnology, textiles, nano devices and electronics Green Chemistry applies across the life cycle of a chemical product including its design, manufacture, use and ultimate disposal.</p> <p>Nanotechnology in combination with Green Chemistry presents a unique opportunity to offer a more sustainable approach to protect public health and environment.</p>	<p>Students will be able to</p> <p>Know about key research areas in nano chemistry and also the multy faceted applications of nano technology</p> <p>recognize the environmental impact of nano materials</p> <p>recognize the economic and environmental benefits of green chemistry</p> <p>know about various green path ways of synthesis of chemicals to minimize the hazards</p>
Photo1	Photo2
	



Caption: Invitations

Caption: Google meet recorded pics
Google meet links:

<https://meet.google.com/cvz-wovb-zwj> & <https://meet.google.com/pqx-yobh-otw> & <https://meet.google.com/nyy-moxg-tki>

ANNEXURE – I

BACHELOR OF SCIENCE - ComputerScience

Course Structure and Scheme of Examinations

(For students admitted from the academic year 2020-2021 and onwards)

The course structure contains different types of courses namely core and elective courses, Skill Enhancement Courses, Ability Enhancement Courses, Employability Enhancement Courses, Self-Study Courses, MOOC Courses and Laboratory Courses, Mini Project/Field Training/Industry Training, Major Project/Dissertation, Extension activities (NSS/NCC/YRC/SPORTS etc). The course structure with the no. of courses per semester, credit allotment and Conduct hours per week for each course in each category of UG Programme are presented in the following tables

Category	Course Type	Course Code	Course	Contact Hours	Exam Hours	Marks			Credit
						CIA	ESE	Total Marks	



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SEMESTER I									
PART I	Language	U20TA1L1	Tamil-I	6	3	25	75	100	3
PART II	English	U20EN1L1	English for Enrichment –I	6	3	25	75	100	3
PART III	Core: 1	U20CS101	Programming in C	5	3	25	75	100	4
	Additional Core: 1	U20PS1PE	Professional English for Physical Sciences-I	-	3	-	100	100	4
	Elective Generic: 1 (Allied)	U20CS1A1	Digital Principles and Applications	4	3	25	75	100	2
	Core Lab: 1	U20CS1P1	C Programming Lab	5	3	40	60	100	3
	Elective Generic Lab: 1 (Allied)	U20CS1AP	Office Automation	2	3	40	60	100	2
PART IV	Ability Enhancement: I	U20AE101	Environmental Studies	2	2	-	50	50	2
Total				30				750	23

SEMESTER II									
PART I	Language	U20TA2L2	Tamil-II	6	3	25	75	100	3
PART II	English	U20EN2L2	English for Enrichment – II	6	3	25	75	100	3
PART III	Core: 2	U20CS202	C++ Programming and Data Structure	5	3	25	75	100	4
	Additional Core: 2	U20PS2PE	Professional English for Physical Sciences – II	-	3	-	100	100	4



	Elective Generic: 2 (Allied)	U20CS2A2	Discrete Mathematics	4	3	25	75	100	2
	Core Lab: 2	U20CS2P2	C++ Programming and Data Structure Lab	5	3	40	60	100	3
	Elective Generic Lab: 2 (Allied)	U20CS2AP	Linux Lab	2	3	40	60	100	2
	Comprehension (Self-Study Course – I Online Exam)	U20CS2C1	Comprehension in Computer Science – I	-	1	-	50	50	1
PART IV	Foundation Course	U20FC201	Yoga & Value Education	2	-	50	-	50	1
TOTAL				30				800	23

LIST OF PROGRAMMING IN C LAB EXPERIMENTS

I. C Programminng

1. Basic Program in C Language
2. Implement Control Structures
3. Arrays in C
4. String and Function in C
5. Structures, Pointers and Files



II. OFFICE AUTOMATION

1. Word, Excel, Power point and MS Access

III.C++ PROGRAMMING AND DATA STRUCTURES

1. Basic Level: Dynamic Programming
2. Tree and Searching Methods:
3. Sorting Methods
4. Graph Methods

IV. LINUX LAB

1. Compile using gcc and Display the Output.
2. Linux commands
 1. General purpose
 2. Directory oriented.
 3. File oriented,
 4. Process oriented and
 5. Communication oriented
3. Shell Script Programs

ANNEXURE – 2

Department of Computer Science Activities for 2018-2019

Skill Development Program

S.No	Program	Date	Resource Person	Participants
1	Skill Development Program on “Communication Skills”	23/07/2018 to 04/09/2018	Mrs.Nithya John, ICTACT Trainer, Chennai.	I UG Students



Workshop

S.No	Program	Date	Resource Person	Participants
1	Workshop on “PYTHON”	12/09/2018.	Mr.K.S.Suresh, Assistant Professor, Department Of Information Technology, VHNSN College, Viruthunagar	Students
2	One day State Level Workshop on “Mobile & Laptop Servicing, CCTV Camera Servicing”	28/09/2018	Mr.G.Manikandaprabu, Chief Technical Engineer,Sree Jothi Computer(Franchisee of Chip Systems).	UG and PG Students
3	One day Workshop on “Corel Draw”	07/02/2019	Mr.K.Manikandan, RB Flex, KovilpattiAlumini of our department.	UG and PG Students

Seminar

S.No	Program	Date	Resource Person	Participants
1	One day seminar on “Life Skills and Social Media Ethics”	17/10/2018.	Dr.S.Shajun Nisha, Assistant Professor and Head, SadakthullahAppaCollege,Triunelveli	UG and PG Students
2	one day seminar on “Positive Attitude”	06/03/2019.	Neethiraja, Soft skills Trainer, JCI, Kovilpatti	UG and PG Students

Faculty Development Program

S.No	Program	Date	Resource Person	Participants
1	Two days Faculty Development Programme on “Introduction to R Programming”	22/08/2018 to 23/08/2018	E.Hariprasath, Senior Technical Trainer, ICTAcademy	Staffs of various colleges

Training Program



S.No	Program	Date	Resource Person	Participants
1	“Smart Board Hands on Training”	10/09/2018.	C.Hariharan, Chennai, Educated Education	Staffs

ANNEXURE – 3

Department of Computer Science Activities for 2019-2020

Workshop

S.No	Program	Date	Resource Person	Participants
1	“Hardware Systems”	29/07/2019.	Mr.S.Ashok Kumar., &Mr.M.Thangaraj,RasiSystems,Kovilpatti	UG and PG Students

Seminar



S.No	Program	Date	Resource Person	Participants
1	“Introduction to Robotics System”.	24/07/2019	Dr.J.Senthilkumar, Associate Professor, MepcoSchlenk Engineering College,Sivakasi.	UG and PG Students
2	One day Seminar on “Machine Learning And Its Applications”	31/07/2019	Mrs.G.R.Hemalakshmi,National Engineering College,Kovilpatti.	UG and PG Students
3	One day seminar on “Deep Learning Techniques”	08.01.2020.	Dr.N.B.Prakash, Associate Professor, Department of EEE, National Engineering College, Kovilpatti	UG and PG Students

Faculty Development Program

S.No	Program	Date	Resource Person	Participants
1	A Three days FDP on Online E-Content Development	25.05.2020 to 27.05.2020	Mr.A.VimalJerald,AssistantProfessor,Department of Computer Science,St.Joseph’sCollege,Tiruchirapalli.	Staff

Training Program

S.No	Program	Date	Resource Person	Participants
1	A Webinar On Career Guidance Amid Covid-19” Supportive Guidance To Higher Secondary Students	24.5.2020	Mr.D.Jeganathan,ManagingDirector,IDEA Educational Institute Tuticorin	

ANNEXURE 4

ACTIVITIES FOR ACADEMIC YEAR 2020-2021

Department of Computer Science

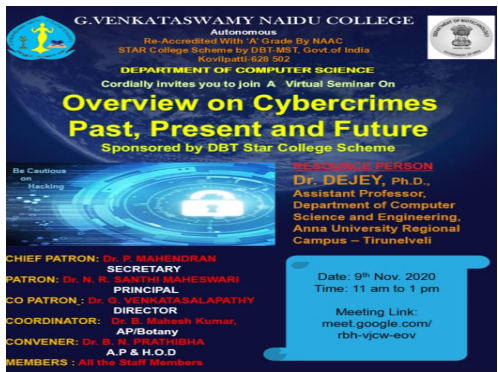
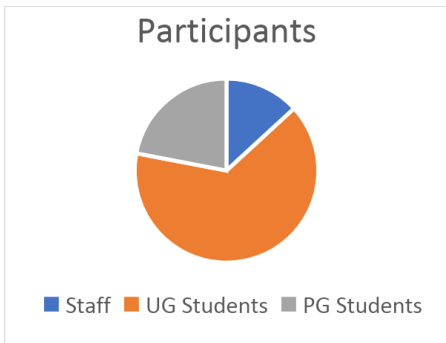
Monthly Report (NOVEMBER 2020)

S.No.	Date	Program/Activities	Time
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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



1	09.11.2020	Seminar on “ Overview on Cybercrimes Past, Present and Future ” Resource person: Dr. Dejeey Assistant Professor Department of Computer Science Anna University Regional Center, Tirunelveli Staffs, UG & PG Students	11 am to 1 pm
Brief Description		Outcome	
<ul style="list-style-type: none"> Cybercrime is the most disruptive threat for financial markets, but at the same time is the most underrated by both regulators and financial institutions. Cyber-attacks have already caused considerable damage to detail retail banking, mainly through credit card and payment scams. The infrastructures of the markets mostly involve digital systems, thereby coming within the scope of cybercriminals. 		<ul style="list-style-type: none"> We can use a number of tactics and techniques, including the legal system, peer pressure, and existing and emerging technologies, to prevent cybercrime. Failing that, we can develop formal and informal responses that will detect cybercrime more immediately, minimizing the harm done and giving us more information about the incident, maximizing the chances of identifying and successfully prosecuting the <u>cybercriminal</u>. 	
Photo		Beneficial Departments	
		<p>Staffs, UG & PG Students</p>  <p>■ Staff ■ UG Students ■ PG Students</p>	

ACTIVITIES FOR ACADEMIC YEAR 2020-2021

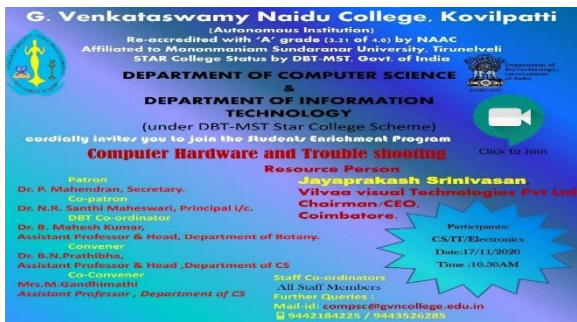
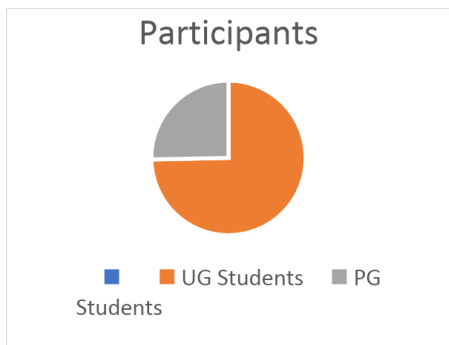
Department of Computer Science
(NOVEMBER 2020)

S.No.	Date	Program/Activities	Time
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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



2	17.11.2020	Workshop on “ Computer Hardware and Trouble shooting “ sponsored by DBT Star College Scheme Resource Person: Jayaprakash Srinivasan, Vilvaa visual Technologies Pvt Ltd, Chairman/CEO, Coimbatore	10.30 am to 12.30 am
Brief Description			Outcome
<ul style="list-style-type: none"> Hardware troubleshooting is the process of reviewing, diagnosing and identifying operational or technical problems within a hardware device or equipment. It aims to resolve physical and/or logical problems and issues within a computing hardware. Hardware troubleshooting is done by hardware or technical support technician. 			<ul style="list-style-type: none"> Removing, repairing and replacing faulty RAM, hard disk or video/graphic card. Cleaning dusts from RAM and Video cards slot/ports and from cooling fan. Tightening cable and jumpers on motherboard and/or components. Software related hardware problems such as device driver update or installation.
Photo			Beneficial Departments
			UG & PG Students 

ACTIVITIES FOR ACADEMIC YEAR 2020-2021


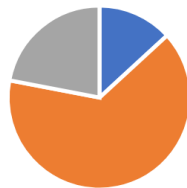
Department of Computer Science

S.No.	Date	Program/Activities	Time
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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



1	29.01.2021	Virtual Power Seminar on “Artificial Intelligence” , collaboration with ICT-Academy, Resource Person Mr.DilipMuralidaran, Senior Technical Instructor, Splunk, Chennai	10.00 am to 11.00 am
Brief Description		Outcome	
<ul style="list-style-type: none"> Artificial intelligence (AI) is wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence. AI is an interdisciplinary science with multiple approaches, but advancements in <u>machine learning</u> and deep learning are creating a paradigm shift in virtually every sector of the tech industry. 		<ul style="list-style-type: none"> Thinking humanly Thinking rationally Acting humanly Acting rationally 	
Photo		Beneficial Departments	
		<p align="center">Staffs, UG & PG Students</p> <div align="center"> <p>Participants</p>  <p>■ Staff ■ UG Students ■ PG Students</p> </div>	

(JANUARY 2021)

ACTIVITIES FOR ACADEMIC YEAR 2020-2021

Department of Computer Science

(FEBRUARY 2021)



S.No.	Date	Program/Activities	Time
1	04.02.2021	Virtual Orientation Program for all branches on “ 3 Secrets to get your Dream Job in 2021/2022 ” Resource Person Mr.MuralidharanRajasekar, TEDx Speaker, Educationist, Director – CONNECT, CONNECT Training Solutions (P) Ltd., Tirunelveli.	11.00 am To 12.30 pm
Brief Description		Outcome	
<ul style="list-style-type: none"> In this workshop encourage students make an appropriate career choice and why they should do it now. 		Students <ul style="list-style-type: none"> broaden theirperspective. develop the rightstrategies. gained job searchsupport. It helps students understand their careeroptions. 	
Photo		Beneficial Departments	
		UG & PG Students <p>Participants</p> <p>■ UG Students ■ PG</p> <p>Students</p>	


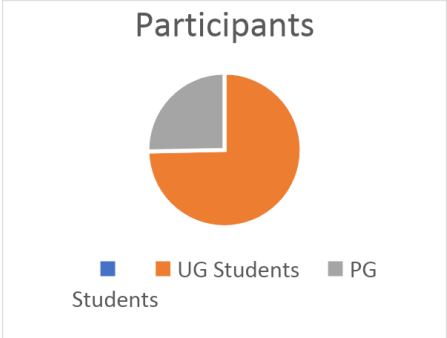
ACTIVITIES FOR ACADEMIC YEAR 2020-2021

Department of Computer Science
(FEBRUARY 2021)



**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



S.No.	Date	Program/Activities	Time
2	11.02.2021	A Career Guidance Seminar on “ What’s Next? after B.Sc ” Study/Sit Idle ???... at Seminar hall - I Resource Person Mr.M.BalaBhuvaneshwaran, Resource Manager, Hradi Info Tech, Chennai.	10.00 am To 11.00 am
Brief Description		Outcome	
<ul style="list-style-type: none"> Making a career choice takes lot of efforts which requires self- analysis as well as considering academic preferences. 		Students <ul style="list-style-type: none"> clarify their careergoals. determined their strengths andweaknesses. learn keyskills. 	
Photo		Beneficial Departments	
		UG & PG Students 	

ACTIVITIES FOR ACADEMIC YEAR 2020-2021


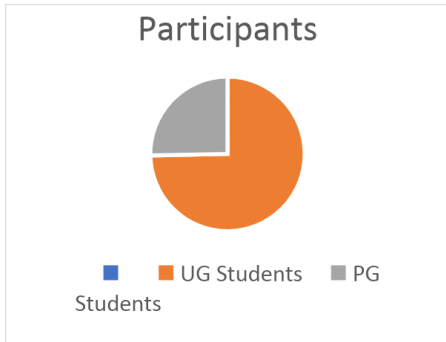
Department of Computer Science

.No.	Date	Program/Activities	Time
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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



3	25.02.2021	Workshop on “ Digital Learning ” sponsored by DBT Star College Scheme Resource Person Mr.S.Karthikeyan, Assistant Professor, Department of Information Technology, VHNSN College, Virudhunagar	09.45 am to 12.30 pm
Brief Description		Outcome	
<ul style="list-style-type: none"> Digital learning is any type of learning that is accompanied by technology or by instructional practice that makes effective use of technology. It encompasses the application of a wide spectrum of practices, including <u>blended</u> and virtual learning 		<ul style="list-style-type: none"> Students using digital learning tools and technology become more engaged in the process and more interested in growing their knowledge base, they may not even realize that they’re actively learning since they’re learning through engaging methods such as peer education, teamwork, problem-solving, reverse teaching, concept maps, gamification, staging, role playing, and storytelling. 	
Photo		Beneficial Departments	
		<p>UG & PG Students</p>  <p>Participants</p> <p>Legend: ■ UG Students ■ PG Students</p>	

(FEBRUARY 2021)

ACTIVITIES FOR ACADEMIC YEAR 2020-2021

Department of Computer Science

S.No.	Date	Program/Activities	Time
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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



1	08.03.2021 to 22.03.2021	“Advanced Excel Workshop” Resource person : 1. Dr. B.N. Prathibha, Assistant Professor & Head, Dept. of Computer Science, G.Venkataswamy Naidu College (Autonomous). 2. Mr. P. Vairava Raja, Assistant Professor, Dept. of Electronics, G.Venkataswamy Naidu College (Autonomous)	09.40 am to 3.00 pm
Brief Description		Outcome	
<ul style="list-style-type: none"> Microsoft Excel advanced training session focuses on saving-you-time techniques, advanced “how-to’s,” exploring those previously “programmer only” features and more. Along with this practical and usable training, you’ll learn how to integrate your work within the Office “family” for even greater results. 		<ul style="list-style-type: none"> Time-saving techniques that’ll allow you to get your work done faster with Excel Adding and using the Analysis ToolPak to make complex data analysis a snap How to create a PivotTable report to quickly analyze volumes of data, generate summary views, see comparisons and reveal patterns in your data How to add power to your spreadsheets with Visual Basic® for Applications, including a quick way to learn VBA syntax 	
Photo		Beneficial Departments	
		UG & PG Students <p align="center">Participants</p> <p align="center">Students</p> <p align="center">■ UG Students ■ PG</p>	

(March 2021)

ACTIVITIES FOR ACADEMIC YEAR 2020-2021

Department of Computer Science

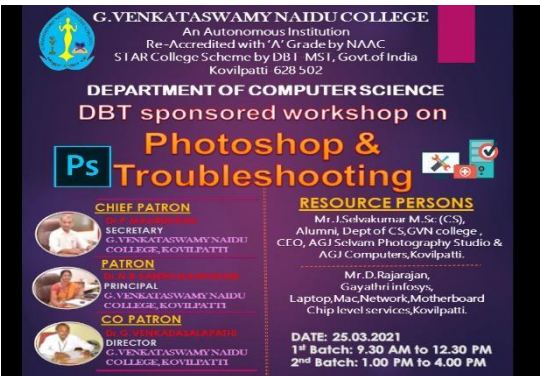
(March 2021)

S.No.	Date	Program/Activities	Time
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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



2	25.03.2021	“Workshop on Photoshop “ Resource Person: Mr.J.Selvakumar M.Sc(CS) COE, AGJ Selvam Photography Studio and AGJ Computers, Kovilpatti	09.45 am to 12.30 pm
Brief Description		Outcome	
<ul style="list-style-type: none"> • Adobe Photoshop is a graphic editing program developed and published by Adobe Systems Incorporated. • Adobe Photoshop is a professional image editing software package that can be used by experts and novices alike. 		<ul style="list-style-type: none"> • Editing Images • Cleaning up Images • Changing Backgrounds • Selecting Parts of Images • Manipulating Colours of Images • Retouching Tools • Selection Tools 	
Photo		Beneficial Departments	
		UG & PG Students 	

ACTIVITIES FOR ACADEMIC YEAR 2020-2021

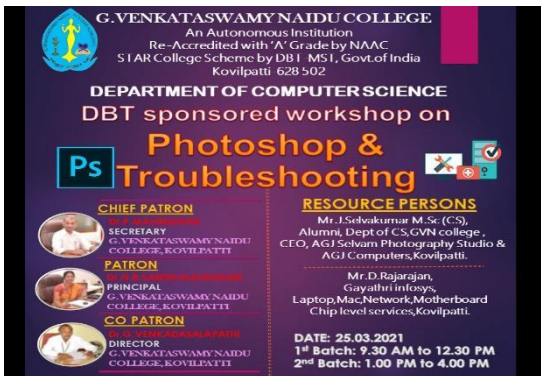
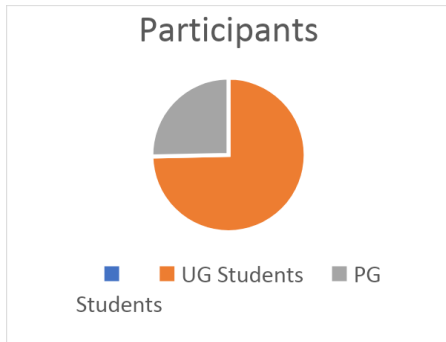
Department of Computer Science
(March 2021)

S.No.	Date	Program/Activities	Time
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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



3	25.03.2021	“Troubleshooting” Resource Person : Mr.D.Rajarajan, Gayathri Infosys, Laptop, Mac, Network, Motherboard, Chip level service, Kovilpatti.	1.00 pm to 3.00 pm
Brief Description		Outcome	
<ul style="list-style-type: none"> Hardware troubleshooting is the process of reviewing, diagnosing and identifying operational or technical problems within a hardware device or equipment. It aims to resolve physical and/or logical problems and issues within a computing hardware. Hardware troubleshooting is done by hardware or technical support technician. 		<ul style="list-style-type: none"> Removing, repairing and replacing faulty RAM, hard disk or video/graphic card. Cleaning dusts from RAM and Video cards slot/ports and from cooling fan. Tightening cable and jumpers on motherboard and/or components. Software related hardware problems such as device driver update or installation. 	
Photo		Beneficial Departments	
		UG & PG Students 	

ACTIVITIES FOR ACADEMIC YEAR 2020-2021

Department of Computer Science


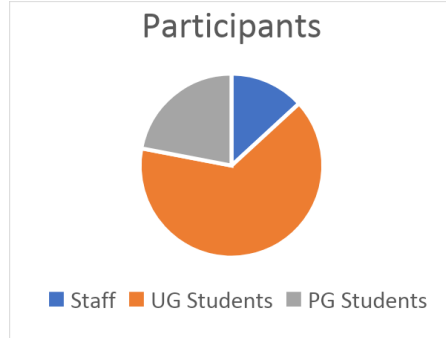
(April 2021)

S.No.	Date	Program/Activities	Time
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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



1	09.04.2021	Workshop on “Career Opportunities in Germany amidst Covid 19” Resource Person Hamsika Naveen Digital Leader at Aussie Digital Business System, Melbourne, Australia	09.45 am to 12.30 pm
Brief Description		Outcome	
<ul style="list-style-type: none"> Common jobs for entrepreneurs include those in marketing, business development and management. Entrepreneurs often pursue jobs in industries they want to start a company in. In this article, we explain what an entrepreneur is, the skills entrepreneurs often need to be successful and several jobs you can pursue to further your goal of becoming an entrepreneur. 		<ul style="list-style-type: none"> Entrepreneurs need a unique set of skills to be successful Being an effective networker is one of the best ways to grow your business opportunities, find high-quality employees and even secure partnerships.. 	
Photo		Beneficial Departments	
		Staffs, UG & PG Students <div align="center">  <p>■ Staff ■ UG Students ■ PG Students</p> </div>	

ANNEXURE 5

ACTIVITIES FOR ACADEMIC YEAR 2020-2021

Department of Computer Science

(March 2021)

Papers Published in the year 2020 - 2021



1) Scopus Indexed Journal- 2020

Paper Title: Analysis on Privacy Preservation in Vertically Partitioned Data in Cloud Using Homomorphic Encryption and Rule Mining Algorithms.

Journal Name: International Journal of Advanced Science and Technology

ISSN: 2005-4238

Vol. 29, No.4, (2020), PP. 6005-6017

2) UGC Care Group I Journal- 2020

Paper Title: A Study on Data Analysis Techniques Used in Outsourced Cloud Data Security

Journal Name: DogoRangsang Research Journal

ISSN: 2347-7180

Vol-10 Issue-09, No.02 September 2020, PP 26-33

3) Scopus Indexed Journal – 2021

Paper Title: Codon Modulo Cryptosystem For Privacy Preservation of Vertically Partitioned Outsourced Data

Journal Name: Journal of Mathematical and Computational Science

ISSN:1927-5307

J.Math.Comput.Sci. 11 (2021), No.3, 2604-2623

DBT Coordinator

PRINCIPAL



BACHELOR OF SCIENCE - EEELECTRONICS
Course Structure and Scheme of Examinations
(For students admitted from 2020-21 & onwards)

The course structure contains different types of courses namely core and elective courses, Skill Enhancement Courses, Ability Enhancement Courses, Employability Enhancement Courses, Self-Study Courses, MOOC Courses and Laboratory Courses, Mini Project/Field Training/Industry Training, Major Project/Dissertation, Extension activities (NSS/NCC/YRC/SPORTS etc). The course structure with the no. of courses per semester, credit allotment and Conduct hours per week for each course in each category of UG Programme are presented in the following tables.

Category	Course Type	Course Code	Course Title	Conduct Hours	Exam Hours	Marks			Credit
						CI A	ES E	Total Marks	
Semester-I									
PART-I	Language	U20TA1 L1	Tamil– I	6	3	25	75	100	3
PART-II	English	U20EN1 L1	English for Enrichment-I	6	3	25	75	100	3
PART-III	Core-1	U20EL1 01	Semiconductor Devices	5	3	25	75	100	4
	Core Lab-1	U20EL1 P1	Semiconductor Devices Lab	5	3	40	60	100	3
	Additional Core 1	U20PS1 PE	Professional English for Physical Science 1	0	3	25	75	100	4
	Elective-Generic-1 (Allied)	U20EL1 A1	C Programmin g	4	3	25	75	100	2
	Elective-Generic Lab-1 (Allied)	U20EL1 AP	Programmin g in C Lab	2	3	40	60	100	2
PART-IV	Ability Enhanceme nt:1	U20AE1 01	Environmen tal Studies	2	2	-	50	50	2
TOTAL				30				750	23
Semester-II									



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.



PART-I	Language	U20TA2 L2	Tamil– II	6	3	25	75	100	3
PART-II	English	U20EN2 L2	English for Enrichment – II	6	3	25	75	100	3
PART-III	Core-2	U20EL2 02	Digital Electronics and its Application s	5	3	25	75	100	4
	Core Lab-2	U20EL2 P2	Digital Electronics Lab	5	3	40	60	100	3
	Additional Core 2	U20PS2 PE	Professional English for Physical Science 2	0	3	25	75	100	4
	Elective –Generic-2 (Allied)	U20EL2 A2	Python Programmin g	4	3	25	75	100	2
	Elective –Generic- Lab – 2 (Allied)	U20EL2 AP	Python Programmin g Lab	2	3	40	60	100	2
	Comprehen sion - 1(Self Study Course- Online Exam)	U20EL2 C1	Comprehen sion in Electronics- 1	-	1	-	50	50	1
PART-IV	Foundation Course	U20FC2 01	Yoga and Value Education	2	-	50	-	50	1
TOTAL				30				800	23



Semester II:

Digital Electronics Lab

List of Experiments

(Minimum 12 Experiments to be carried out)

1. Design and verify Basic Gates.
2. Design and verify Basic Gates using NAND Gate.
3. Design and verify Basic Gates using NOR Gate.
4. **Convert a Boolean expression into logic gate circuit and assemble it using logic gate ICs.**
5. Verify the De-Morgan's Theorem
6. Design the logic circuit for Half Adder and Full Adder.
7. Design the logic circuit for Half Subtractor and Full Subtractor.
8. Design and Verify the Code conversion.
9. **Design and Verify the Multiplexer.**
10. Design and Verify the De-Multiplexer.
11. Design and Verify the Encoder.
12. Design and Verify the Decoder.
13. Study the various types of Flip-Flop.
14. Study the various types of Shift registers.
15. Design a counter using D/T/JK Flip-Flop.
16. Construct 4-bit Binary Adder circuit.



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.



ANNEXURE 2 – REPORT : 2018-2019

S.NO	DATE	DETAILS OF THE PROGRAM	RESOURCE PERSONS
1.	19/07/2018	Association Inauguration & Seminar on “Nano Electronics”.	Dr. T. S. Arun Samuel, Associate Professor, ECE Department, National Engineering College, Kovilpatti.
2	29/08/2018 to 30/08/2018	Science Exhibition: SCINTILLA'18	Principal Dr. S. Krishnasamy, Director Prof. G. Venkatasalapathy, Mr. N. R. Balamurugan, Managing Director, and A. Karthik Kumar, MI Measuring Instruments, Madurai,
3.	11/09/2018	workshop on “Computer Hardware”	Mr. S. Ashoke Kumar, Navigation Engineer, Rasi Systems, Chennai
4.	04/10/2018	seminar on “Advanced Microcontroller”	Mr. K. Sivaramakrishnan, Centre Head, Live Wire, Kovilpatti.
5.	11/12/18 To 24/12/18	Hands on training program on “Embedded System”	Mr. S. Mohammed Ismail, Alumni
6.	11/12/18 To 24/12/18	Hands-on training program for “internet of things: arduino for smart cities”	Mr. S. Mohammed Ismail, Alumni
7.	29/12/2018	Workshop on “Xerox Machine “	Mr. S.Ravisankar, RS Copier, Kovilpatti.
8.	19/03/2019 To 21/032019	Personality development Program	Mrs.Geetha ICTACT Program

DBT Coordinator

PRINCIPAL



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.



ANNEXURE 3 – REPORT : 2019-2020

S.N O	DATE	DETAILS OF THE PROGRAM	RESOURCE PERSONS
1	04.07.2019	Seminar On Recent Trends In Embedded Microcontrollers	Dr.P. Premchander, Professor & Head, PG Department of Electronics, Kamaraj Govt Arts College, Surandai.
2	11.07.2019	Workshop on “Computer Hardware and Maintenance”	Mr.J.Victor Jeyachandran, Alumni of Electronics Department, Free launcher technology, Kovilpatti.
3	06.08.2019 To 13.08.2019	Hands on Training for +2 Students	700 School students in and around Kovilpatti attended the program.
4	03.09.2019	Workshop on reach your pinnacle	Mr.P.Thanikaivel pandian Leadership and relationship coach, Founder and director, Vision @20plus
5	12.09.2019	Career Guidance	Mr.V.Sivanandha Krishnan Transmission executive officer, All india radio. Tirunelveli
6.	27.09.2019	Extension Program – Free Electrical Home Appliance Repair Workshop	Ilayarasanendal village
7.	12.12.2019	Extension Program – Free Electrical Home Appliance Repair Workshop	Old Appaneri village
8.	20.12.2019	Awareness program on Electrical safety	Mr.E.PETCHIMUTHU Assistant Executive Engineer Safety- Tirunelveli Region, TANGEDCO, Tirunelveli.

DBT Coordinator

PRINCIPAL



ANNEXURE - 4

DBT STAR COLLEGE SCHME ACTIVITY

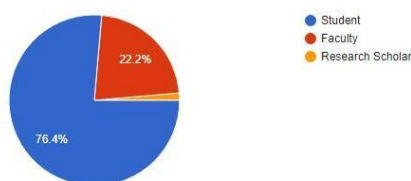
October (2020-2021) Month Report

1. Name & Title of the Activity: National Webinar on “Integration of Renewables to Power Grid”

Date & Venue: 17.10.2020 & Google Meet Platform

Beneficiary & Number of Beneficiaries:

Participant as a
72 responses



Brief Description	Outcome
Energy is an indispensable factor for the economic growth and development of a country. Energy consumption is rapidly increasing worldwide. To fulfil this energy demand, alternative energy sources and efficient utilization are being explored. Various sources of renewable energy and their efficient utilization are discussed in this webinar	Results show that renewable energy resources are becoming more prevalent as more electricity generation becomes necessary and could provide half of the total energy demands by 2050. To satisfy the future energy demand, the power grid system can be used as an efficient system for energy security. The power grid also delivers significant environmental benefits by conservation and renewable generation integration.
Photo 1	Photo 2
Caption: Invitation	Caption: Live on our college YouTube channel. Link is https://youtu.be/xruJ9q-4rL0

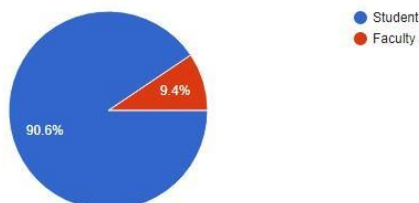



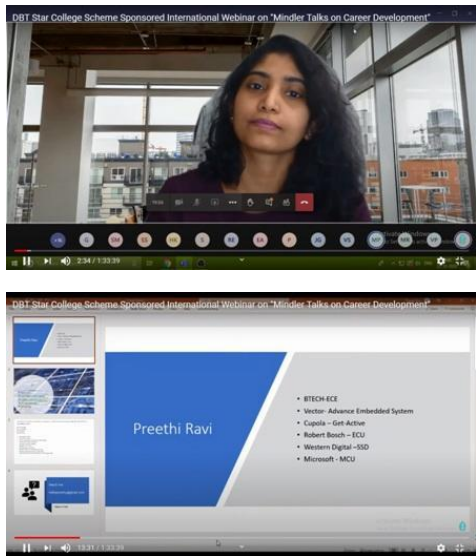
2. Name & Title of the Activity: International Webinar on “Mindler Talks on Career Development”

Date & Venue: 22.10.2020 & Microsoft Teams Platform

Beneficiary & Number of Beneficiaries:

Participation as a
53 responses



Brief Description	Outcome
<p>In this webinar, how students make an appropriate career choice and why they should do it now. Making a career choice takes lot of efforts which requires self-analysis as well as considering academic preferences.</p>	<p>Students</p> <ul style="list-style-type: none"> clarify their career goals. determined their strengths and weaknesses. learn key skills. broaden their perspective. develop the right strategies. gained job search support. It helps students understand their career options.
Photo 1	Photo 2
	
Caption: Invitation	Caption: Live on our college YouTube Channel. Link is https://youtu.be/LV0BUxbXP2U



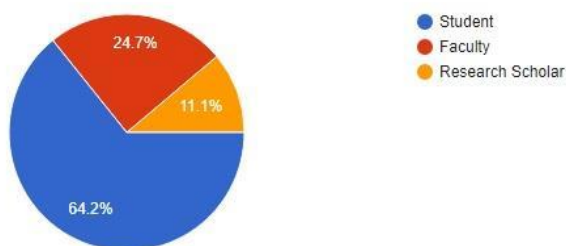
November (2020-2021) Month Report

4. Name & Title of the Activity: Webinar on “Our body heat could charge future wearable Electronics”

Date & Venue: 23.11.2020 & Google Meet Platform

Beneficiary & Number of Beneficiaries:

81 responses



Brief Description	Outcome
This webinar is mainly concentrate about the future wearable and flexible electronics devices and its material selection criteria and their impact on the environmental factors. And also it concentrates on the device making procedure at research level in the laboratory at IIITDM.	The participants got the ongoing research activity in the area of future flexible electronics devices. And they got to know how the research is incorporated in the laboratory and also they know what are all the current research happening in the research laboratories around the world about wearable electronics. And the possibility of taking internship with the IIITDM is discussed with the chief guest.
Photo 1	Photo 2
Caption: Invitation	Caption: Live on our college YouTube channel. Link is https://youtu.be/jAfHTctei2U

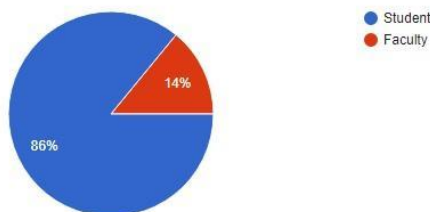


5. Name & Title of the Activity: Two Day Workshop on “Radio Career”

Date & Venue: 24.11.2020 & 27.11.2020 – Google Meet Platform

Beneficiary & Number of Beneficiaries:

363 responses



Brief Description	Outcome
<p>The radio industries' responsibility to the public is very high and deadlines must be met along with quality standards. Radio broadcasters need some specific skills and qualities. When people think of radio, they only think of a radio Jockey, but there are so many career options inside a radio station! It is almost like any other corporate. The main aim of this workshop was split between creative, technical and management positions.</p>	<p>Based on the finding, Two Day Workshop on “Radio Career” gives positive effect to participants. They adequate attained knowledge in various fields like Administration, Technical, Script Writing, Programme Executive, Transmission Executive, Advertisement and Front Office sections of a Radio Station.</p> <p>Note: The second day (25.11.2020) of a Radio Career workshop has been rescheduled on 27.11.2020 due to Nivar Cyclone.</p>
Photo 1	Photo 2
<p>Caption: Invitation</p>	<p>Caption: Live on our college YouTube Channel. Links are</p> <p>Day 1 : https://youtu.be/U2mac-N52Fg</p> <p>Day 2 : https://youtu.be/nhClyhHIEeE</p>

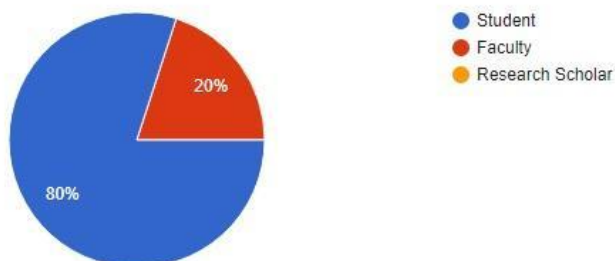


6. Name & Title of the Activity: International Webinar on “Internet of Things”

Date & Venue: 27.11.2020 & Google Meet Platform

Beneficiary & Number of Beneficiaries:

30 responses



Brief Description	Outcome
Importance of IoT is discussed for the current and future trends in this session. Design consideration and security issues are also discussed and CISCO packet tracer is simulated for a real time scenario with wired as well as wireless IoT solutions.	<p>The participants attained knowledge in IoT design considerations and security threats with increasing amount of penetration of IoT devices into the common people's life.</p> <p>The participants also given exposure to use of CISCO packet tracer for simulating real world IoT problems and its solution with wired and wireless sensor networks.</p>
Photo 1	Photo 2
Caption: Invitation	Caption: YouTube Channel Link is https://youtu.be/uRwZfLRFYAM

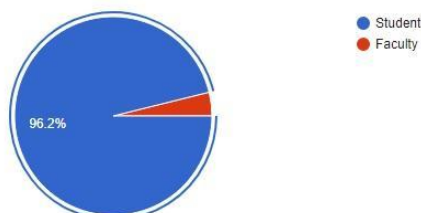


December (2020-2021) Month Report

7. Name & Title of the Activity: One Day Webinar on "Role of Electronics in Biomedical Industries"

Date & Venue: 11.12.2020 & Google Meet Platform

Beneficiary & Number of Beneficiaries:



Brief Description	Outcome
Importances of electronics in Biomedical Industries are discussed. Especially the sensors and instrument used are discussed and also discussed about the synchronous operating nature of mechanical parts, electrical and electronics parts. Various biomedical instrumentations are explained.	The participants attained knowledge in the field of biomedical instruments and their electrical, electronic control circuitry and their clever design. The participants also got understand the inter department operability nature of the instruments.
Photo 1	Photo 2
Caption: Invitation	Caption: YouTube Channel Link is https://youtu.be/aeNKiTq84KE



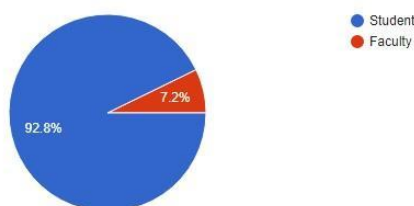
January (2020-2021) Month Report

8. Name & Title of the Activity: One Day Workshop on “Fiber Optic Technology - The Fundamental”

Date & Venue: 21.01.2021 & Google Meet Platform

Beneficiary & Number of Beneficiaries:

Are you a _____
83 responses



Brief Description	Outcome
This webinar is mainly concentrate about the fundamental concept in the area of optical fiber communications. And also it emphasis the attendees to understand the history of the technology.	The attendees enjoy the session and know the concept of evaluation of optical fiber technology thorough the events happened in our history. And also the attendees know the need and challenges that the technology faced at earlier days.
Photo 1	Photo 2
Caption: Invitation	Caption: Live on our college YouTube Channel. Link is https://youtu.be/DxU_0NI-PBA



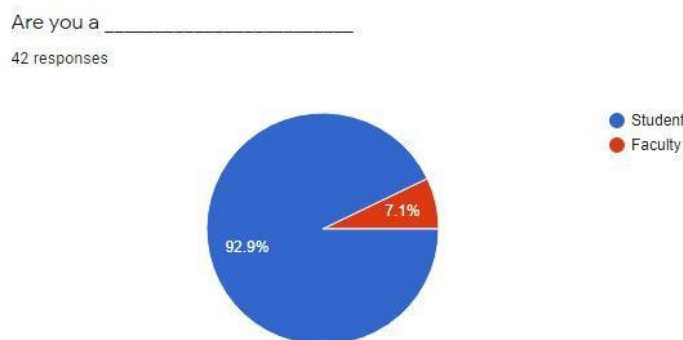
**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



9. Name & Title of the Activity: Webinar on “Interesting Image Processing”

Date & Venue: 25.01.2021 & Google Meet Platform

Beneficiary & Number of Beneficiaries:



Brief Description	Outcome
Importance of image processing is discussed for the current and future trends of artificial intelligence. And also this session discussed some important image processing functions to process an image.	<p>The participants attained knowledge in image processing and image colouring and histograms to do image processing.</p> <p>The participants also attained knowledge about the innovations in remote sensing image processing and artificial intelligence field using image processing.</p>
Photo 1	Photo 2
Caption: Invitation	Caption: YouTube Channel Link is https://youtu.be/TEP3pL5ptbc



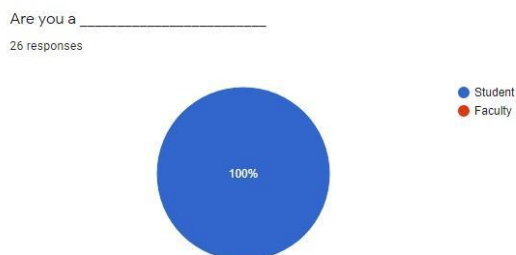
**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



10. Name & Title of the Activity: Webinar on “Recent trends in Optical Fiber Communication”

Date & Venue: 31.01.2021 & Google Meet Platform

Beneficiary & Number of Beneficiaries:



Brief Description	Outcome
This webinar is mainly concentrate about the recent innovations and the future aspects in the area of optical fiber communications. And also it concentrates on the challenges in optical fiber communication system.	The participants got the ongoing research activity in the area of optical fiber communication networks. And they got to know the innovations done in the field of optical fiber communications and also they know about all the constraints in this optical fiber communication field.
Photo 1	Photo 2
Caption: Invitation	Caption: Live on our college YouTube channel. Link is https://youtu.be/KyaTw_GJIEo



February (2020-2021) Month Report

11. Name & Title of the Activity: Seminar on “Enhancing Technical Skills”

Date & Venue: 11.02.2021 & Electronics Department

Beneficiary & Number of Beneficiaries: 55 Students

Brief Description	Outcome
<p>This webinar is mainly concentrate about to educate the attendee to enhance their technical skills that are need in a working environment in electronics industries. And also it focused on the expectation of industries from a fresh electronic graduate.</p>	<p>The participants got the awareness about the expectation of an industry from them as a graduate. And also they realize the area of improvement in their technical skills, positive attitude and analytical thinking to solve a problem in a smart and cost effective manner.</p>
Photo 1	Photo 2
 <p>The poster is for a seminar titled "Enhancing Technical Skills" organized by the Department of Electronics at G. Venkataswamy Naidu College, Kovilpatti. It lists the resource person as Mr. N.R. Balamurugan, Managing Director of MI Measuring Instruments, Madurai, on Thursday, 11.02.2021 at 01:00pm. It also lists the patron, chairman, coordinators, and DBT coordinator.</p>	  <p>Two photographs showing the seminar. The first photo shows Mr. N.R. Balamurugan standing next to a woman in a saree in front of a chalkboard that says "Enhancing Technical Skills". The second photo shows Mr. Balamurugan giving a lecture to a group of students seated in a classroom.</p>
Caption: Invitation	Caption: Mr.N.R.Balamurugan gives a face to face lecture to our students on 11.02.2021



March (2020-2021) Month Report

**12. Name & Title of the Activity: An outreach activity workshop on
“Mushroom Cultivation”**

Date & Venue: 21.03.2021 & Old Appaneri Village

Beneficiary & Number of Beneficiaries: 58 people of Old Appaneri Village

Brief Description	Outcome
<p>The importance of mushroom as a food source and its nutritional value is discussed. The market demand and Oyster, Milk mushroom cultivation techniques are also discussed and demonstrated to the attendees. Also the hands-on training is given to the attendees and encourages the attendees to trail the mushroom growing as a business.</p>	<p>The participants got hands-on training on mushroom-bed preparation.</p> <p>The participants got knowledge about the full life cycle of the mushrooms.</p> <p>And also they got the method to prepare mushroom pappadam, mushroom pickle and similar products.</p>
Photo 1	Photo 2
	
Caption: Invitation	Caption: Live on our college YouTube Channel. Link is https://youtu.be/DxU_0NI-PBA





**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.**



**13. Name & Title of the Activity: One Day Hands on Training Workshop on
“Mobile Phone Servicing”**

Date & Venue: 22.03.2021 & Electronics Lab

Beneficiary & Number of Beneficiaries: 55 Students

Brief Description	Outcome
<p>As the great penetration of mobile phones in India, there is always having demand for the mobile phone repairing shop and technicians. And so this program is organized to give training to the students to acquire the knowledge about the problems and its solutions arises in the mobile phone.</p>	<p>The participants got knowledge in mobile phone servicing that includes audio problems, microphone problems, display problems and battery replacements.</p>
Photo 1	Photo 2
 <p>The banner is for G. Venkataswamy Naidu College, Kovilpatti, an Autonomous institution. It mentions accreditation by NAAC and the DBT STAR College Scheme. The event is a 'Hands on Training Workshop on Mobile Phone Servicing' organized by the Department of Electronics, featuring Mr. V. Jamaludheen as the resource person on March 22nd, 2021, in the Electronics Lab. It is open to all.</p>	 <p>Two photographs are shown. The top photo shows Mr. V. Jamaludheen and a female student in the Electronics Lab. The bottom photo shows a group of students attending the training. Both photos include a Google Maps overlay for Palaya Appaneri, Tamil Nadu, India.</p>
Caption: Invitation	Caption: Mr.V.Jamaludheen gives hands on training to our students

DBT Coordinator

Principal



ANNEXURE – 5

Training Received by faculty

The following staff members of Electronics department are attended “**six days national level faculty development programme on Teaching Learning Practices in 2020**” organized by PG & Research Department of Commerce (CA), HINDUSTHAN COLLEGE OF ARTS & SCIENCE, Coimbatore, TamilNadu from **16.11.2020 to 21.11.2020** through virtual mode.

- | | |
|--|--------------------------------------|
| 1.Mrs.R.MANIMEGALAI, Head & Asst.Professor | 2.Mr.S.SANKARGANESH, Asst.Professor |
| 3.Ms.G.JEYAPRIYA, Asst.Professor | 4.Mr.V.SIVARAMASUBBU, Asst.Professor |





G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.



The following staff members of Electronics department are attended “Five days online FDP on 3D Printing” organized by Indian Institute of Information Technology, Design & Manufacturing Kancheepuram, TamilNadu from **04.01.2021 to 08.01.2021** under the banner of AICTE Training And Learning (ATAL) Academy.

- | | |
|--|--------------------------------------|
| 1.Mrs.R.MANIMEGALAI, Head & Asst.Professor | 2.Mr.S.SANKARGANESH, Asst.Professor |
| 3.Ms.G.JEYAPRIYA, Asst.Professor | 4.Mr.V.SIVARAMASUBBU, Asst.Professor |
| 5.Mr.P.VAIRAVA RAJA, Asst.Professor | |





G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS) KOVILPATTI – 628 502.



DBT Coordinator

PRINCIPAL

10. Self Evaluation

Department	*Objective (as stated in proposal)	% achieved	Reasons for underachievement / If achieved, state in quantitative metrics
Mathematics			



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)
KOVILPATTI – 628 502.



Chemistry			
Computer Science	To develop technical skills	80	Due to COVID-19, major development programs could not be fulfilled
Electronics	Project work	100%	02
	Strengthen the existing academic and physical infrastructure	100%	02
	Devise more standard curricula	100%	02
	Training Programmes for faculty improvement	50%	01
	Access and exposure to students to research laboratories and industries	0%	0 – Reason: Pandemic situation

* For quantitative analysis you may fix five objective (max) each having 2 marks and accordingly can calculate the matrix.

Course Coordinator

Head of the Institution

DBT STAR COLLEGE SCHEME

Advisory Committee Meeting With External Experts

Minutes of the Advisory committee meeting of DBT Star College Scheme conducted on 01/10/2020.

- A meeting of the DBT Star College Committee members with the Advisory Committee members (External experts) was conducted on



01/10/2020, before the start of the program.

- Principal, Dr.N.R.Santhi Maheswari welcomed Dr.Rajendran, Microbiology PSG College of arts and science our Advisory committee member.
- Dr. B.Makesh Kumar Co-Ordinator gave brief note about DBT Star College Scheme.
- Participating Department Co-ordinators presented their department inputs.
- Dr. Rajendran gave presentation on how to go about the program highlighting the Do's & Don't.
- He emphasized the need to purchase all the instruments on time
- To conduct all the extra practicals, project work as mentioned in the proposal.
- To judiciously utilize the funds gave examples of his experiences.
- To lay more focus on interdisciplinary activities.
- He emphasized the need to document all the activities.
- Some staff members had queries related to the amount to be utilized by the different departments for activities. Dr. Rajendran answered all the queries.
- The meeting ended with vote of thanks by the DBT Star College Scheme Additional Co-ordinator R.Manimegalai.

Minutes of Advisory committee meeting held on 30/09/2020

Minutes of DBT star college scheme committee meeting held on

Venue: **Google meet**

A meeting was held on 30/09/2020 at 11.00am to 12.30pm in Google meet to discuss the agenda of the Advisory committee meeting of DBT Star College

Following committee members were present for the meeting



Chairman/Principal: Dr.N.R.Santhi Maheswari -

Co-ordinator: Dr.B.Makesh kumar, Botany -

Additional Co-ordinator: Mrs.R.Manimegalai, Electronics -

Department Co-ordinators:

Dr.M.Subulakshmi, Mathematics -

Dr.B.Umadevi, Chemistry -

Dr.B.N.Prathiba, Computer Science -

Mr.S.Sankar Ganesh, Electronics -

Minutes:

- Planner for department activities like seminars, workshops and training programs by experts from educational research institutions.
- Internships, Industrial visits arrangement for the students.
- Projects and students extension activities.
- Preparation of manual related with practical which are proposed.
- Purchase of the recurring and non recurring items.

Minutes of Advisory committee meeting held on 09/11/2020

Minutes of DBT star college scheme committee meeting held on

Venue: Google meet

A meeting was held on 09/11/2020 at 3.15 pm in google meet to discuss the agenda of the Orientation Programme on “DBT Star College Scheme” to be conducted on 10/02/2020.

Following members were present for the meeting.

Chairman/Principal: Dr.N.R.Santhi Maheswari -



Co-ordinator: Dr.B.Makesh kumar, Botany -

Additional Co-ordinator: Mrs.R.Manimegalai, Electronics -

Department Co-ordinators:

Dr.M.Subulakshmi, Mathematics -

Dr.B.Umadevi, Chemistry -

Dr.B.N.Prathiba, Computer Science -

Mr.S.Sankar Ganesh, Electronics -

Minutes:

- Organizing of meeting, preparing invitation and agenda
- Submission of Planner for department activities like seminars, workshops and training programs
- Demonstration classes for practicals.
- Involve the students to utilize the DBT Funds for Projects and extension activities.
- Preparation of manual related with practical which are proposed.

Minutes of Advisory committee meeting held on 16/02/2021

Minutes of DBT star college scheme committee meeting held on

Venue: Google meet

A meeting was held on 16/02/2021 at 3.30 pm in google meet to discuss the online programs to be carried out by each department under the DBT scheme.

Following members were present for the meeting

Chairman/Principal: Dr.N.R.Santhi Maheswari -



Co-ordinator: Dr.B.Makesh kumar, Botany -

Additional Co-ordinator: Mrs.R.Manimegalai, Electronics -

Department Co-ordinators:

Dr.M.Subulakshmi, Mathematics -

Dr.B.Umadevi, Chemistry -

Dr.B.N.Prathiba, Computer Science -

Mr.S.Sankar Ganesh, Electronics -

Minutes:

- Organizing online programs.
- Inviting professionals from National/international institutions/industries to conduct webinar, workshop etc.,
- Submission of monthly reports.
- Proper usage of funds.

Minutes of Advisory committee meeting held on 10/03/2021

Minutes of DBT star college scheme committee meeting held on

Venue: Principal Room

A meeting was held on **10/03/2021** at 12.30 pm to discuss the department activities and Utilization of Funds.

Following members were present for the meeting



Chairman/Principal: Dr.N.R.Santhi Maheswari -

Co-ordinator: Dr.B.Makesh kumar, Botany -

Additional Co-ordinator: Mrs.R.Manimegalai, Electronics -

Department Co-ordinators:

Dr.M.Subulakshmi, Mathematics -

Dr.B.Umadevi, Chemistry -

Dr.B.N.Prathiba, Computer Science -

Mr.S.Sankar Ganesh, Electronics -

Minutes:

- Review of Purchase done under the program.
- Submission of bills for the recurring and non recurring items before 30/03/2021.
- Arrangement of field trips to faculties.
- Maintenance of Records of activities like practical and demonstration for students under the program.