



Department of  
BioTechnology,  
Government  
of India

सत्यमेव जयते

# ANNUAL PROGRESS REPORT SUPPORTED UNDER STAR COLLEGE SCHEME (2021-2022)

SUBMITTED BY



**G.VENKATASWAMY NAIDU COLLEGE (Autonomous)**  
(Reaccredited with 'A' Grade by NAAC)  
Kovilpatti - 628502, Tamil Nadu.



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**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.  
Ph.no: 9952344431

**Additional Coordinator** :  
Mrs.R.Manimegalai  
Assistant Professor and Head,  
Department of Electronics  
G.Venkataswamy Naidu College  
Kovilpatti-628502.  
Ph.no: 8637431705

**Department Coordinators:**

1. Department of Mathematics  
Dr.M.Subbulakshmi  
Associate Professor  
Department of Mathematics,  
G.Venkataswamy Naidu College  
Kovilpatti-628502  
Ph.no: 9442445027
2. Department of Chemistry  
Dr.B.Umadevi  
Associate Professor & Head  
Department of Chemistry,  
G.Venkataswamy Naidu College  
Kovilpatti-628502  
Ph.no: 7010668284
3. Department of Computer Science  
Dr.B.N.Prathibha  
Assistant Professor & Head  
Department of Computer Science,  
G.Venkataswamy Naidu College  
Kovilpatti-628502 Tamil Nadu.  
Ph.no: 9443526285



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4. Department of Electronics  
Mr.S.Sankar Ganesh  
Assistant Professor  
Department of Electronics,  
G.Venkataswamy Naidu College  
Kovilpatti-628502.  
Ph.no: 9940980222

3. **Assessment duration :** 01/04/2021 to 31/03/2022 Duration in years :1 year

**4. Details of Departments Supported**

Sl No	Name of Department	Courses (B.Sc./M.Sc./PG Diploma, certificate etc) offered	Regular Faculty members	
			Total = 22	
			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 & Electronics	B.Sc, M.Sc	02	11
		B.Sc		

5. **Number & Date of Advisory committee meeting:** 02 & 01/10/2020, 10/11/2020
6. **Qualitative improvements due to DBT support. (5 salient points)**

**Department of Mathematics**

- (i) Enrich our teaching & learning skills
- (ii) Improved our Curriculum
- (iii)Exposure on preparing articles by using typesetting software and preparing for competitive exams
- (iv)Involvement in academic and life-skill activities
- (v) Acquire knowledge in higher Mathematics.

**Department of Chemistry**

- (i) Improved Infrastructure to procure new equipment, glass wares and chemicals.
- (ii) Enhancement in the teaching - learning process.
- (iii)Enhancement in Faculty knowledge by organising webinars, workshops and training programmes.
- (iv)Introduction of new experiments leading to improvement in Practical knowledge of students.
- (v) Hands on Training on the preparation of household products such as phenoyl, pain balm, soap oil, floor cleaner, dish wash liquid, cleaning powder, washing powder etc.

**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 current syllabus and students' involvement in academic activities.
- (iii) Hands-on exposure to students and introduction of new practical to understand theoretical concepts
- (iv) In this period, the following real time projects
  - (a) Automatic Hand Sanitizer dispenser (2 Numbers)**
  - (b) Digital Clock with weather monitoring system using arduino**
  - (c) Voice controlled home automation system using arduino**were designed and implemented by students.
- (v) Enhanced our students' knowledge in the field of Electronics by inviting resource persons from various institutions & industries.

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

**Department of Mathematics**

- (i) Introduce new techniques in a easy and impressive way
- (ii) Plan to spread Mathematical ideas in a easy way to Non-Mathematics students

**Department of Chemistry**

- (i) Planning to switch over to Microscale experiments in Chemistry for conducting Inorganic Qualitative Analysis and Organic Analysis practicals from next academic year(2022-23) to reduce wastage of chemicals and environmental pollution.
- (ii) Conferment of autonomy and DBT Star College Scheme has made it a reality to incorporate compulsory Internship in II year and Group project in final year syllabus, which will come into effect from the academic year 2022-23

**Department of Computer Science**

- (i) To make mobile app environment

**Department of Electronics**

- (i) Consultancy for making scoring sheet to SRNM College Sattur, Virudhunagar District, Tamilnadu.
- (ii) Developing "Staff attendance hosting system using computer vision with Raspberry Pi" for Controller of Examinations office of our college.
- (iii) Developing scoring sheet using VBA language in MS EXCEL for Controller of Examinations office of our college.

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

**Department of Mathematics**

- (i) Encourage our students to present articles in Conferences/Seminars/Symposia, etc. and gather ideas from eminent professors



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- (ii) Popularizing and elevating the image of the college through star college scheme activity.
- (iii) Hardship in organizing outreach activities to the general public during this pandemic period

**Department of Chemistry**

- (i) Extension activities and outreach programmes could not be carried on.
- (ii) Industrial Visits, Lab visits and Internship programmes for students could not be carried on.
- (iii) Required books, instruments could not be purchased

**Department of Computer Science**

- (i) Industrial Visit to nurture market trends – could not be completed
- (ii) 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) Reaching out school students to promote science during this period

**Suggestions:** Nil

**9. Key performance indicators**

**Department of Mathematics**

S. no	Indicator	Pre-support							During /After Support							Remarks
1	No. of students admitted: 2019-2020	Total=48							No. of students admitted: 2021-2022 Total =							
		M=10			F=38				M=			F=				
		SC / S T	OB C	G	SC/ ST	O B C	G	G	SC/ ST	OB C	G	S C	S T	OB C	G	
		8	40	-	-	-	-	-								
	No. of students admitted: 2020-2021	Total =43														
		M=11			F=32											
		SC/ ST	OB C	G	S C	S T	O B C									
		7	36	-	-	-	-									
2	No. of students	No. of students passing out percentage							No. of students admitted percentage							



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	passing out (%) Students Admitted/passing out(pass %)	2019-2020 : 2020-2021 : awaiting for result	2019-2020 : 48/48 = 100% 2020-2021 : 43/48 = 89.59 % 2021-2022: /48 =	
3	Drop-out rates	2019-2020 : 01 2020-2021 : 01 2021-2022 :	-	
4	No. of students opting for M. Sc	2018-2019 : 13 2019-2020 : 15 2021-2022:	-	
5	Average marks	Above 80%	-	
6	No. of hands-on experiments being conducted	Nil	4	
7	No. of new experiments introduced	Nil	Nil	
8	Publications (scopus indexed) /patents, if any.	Nil	Nil	
9	Training received by faculty	Nil	02	
10	Exhibitions/ seminars /training courses conducted	2018-2019 : Workshop – 01 Training Programmes - 01 <a href="#">Refer Annexure 1 Page 13</a>  2019-2020 : Seminars – 01 Webinars - 02 Training Programme - 1 <a href="#">Refer Annexure 2 Page 13</a>	2020-2021: Webinars – 5 Training Programme - 4 <a href="#">Refer Annexure 3 Page 14</a>	
11	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	Nil	Nil	





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	(Popular lectures)			
13	Colleges mentored to apply for DBT Star College grants	Nil	Yes S.R.N.M College, Sattur.	
14	Invited lectures	4	8	

**Department of Chemistry**

S. No.	Indicator	Pre-support	During/After Support	Remarks
1	No. of students admitted: 2019-2020	Total=48	Total = 48	
		M=8	F=40	
		SC S OB G SC S OB G	M=8 F=40	
		01 - 06 01 07 - 33 -	01 - 06 01 07 - 33 -	
	No. of students admitted: 2020-2021	Total= 44	Total=44	
		M=11	F=33	
		SC S OB G SC S OB G	M=11 F=33	
		01 - 10 - 10 - 23 -	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: 01	-	
5	Average marks	Above 60%	-	
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)	<b>Refer Annexure 4 Page 22</b>	





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7	No. of new Experiments introduced	Nil	01 (for those who joined in 2020-21 academic year) <b>Refer Annexure 4 Page 22</b>	
8	Publications(scopus indexed) /patents, if any.	2018-19: 02 2019-20: 01(h index 6)	-	
9	Training received by faculty	2018-19: 02 2019-20: 01	2020- 21: 01 <b>Refer Annexure 6 Page 23</b>	

10	Exhibitions/seminars /training courses conducted	2018-2019: Seminars– 04 <b>Refer Annexure 5 Page 23</b> 2019-2020: Seminars– 00 Workshop-00 Hands on Training – 00 Awareness Programme–00 <b>Refer Annexure 5 Page 23</b>	2020-2021: Webinars –08 FDP for Lab assistants- 01 “Challenging Quantitative Aptitude”–01 Training Programme on “Preparation of household products of day-to-day use”: 01 <b>Refer Annexure 6 Page 23</b>	
11	Books/journals subscribed from Grants		Books– 12Nos.purchased	
12	Outreach activities (Popular lectures)		2020-2021: Hands on Training– 02 <b>Refer Annexure 6 Page 23</b>	
13	Colleges mentored to apply for DBT Star College grants	Nil	Yes S.R.N.M. College, Sattur	
14	Invited lectures	<b>Refer Annexure 5 Page 23</b>	<b>Refer Annexure 6 Page 23</b>	

**Department of Computer Science**

S. no	Indicator	Pre-support								During /After Support								Remarks
1	No. of students admitted 2018-2019	Total =47								No. of students admitted 2020-2021 Total =46								
		M=19				F=29				M=24				F=22				
		SC	ST	OBC	G	SC	ST	OBC	G	SC	ST	OBC	G	SC	ST	OBC	G	
		02	-	23	-	02	-	22	-	04	-	21	-	02	-	21	-	
	No. of students admitted 2019-2020	Total =47																
		M=19				M=24				No. of students admitted 2021-2022 Total =46								
										M=24				F=22				
		SC	ST	OBC	G	SC	ST	OBC	G	SC	ST	OBC	G	SC	ST	OBC	G	
		04	-	21	-	02	-	21	-	04	-	21	-	02	-	21	-	



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		SC	SC	ST	OBC	G	SC	ST	OB C		
		03	04	-	21	-	02	-	21		
2	No. of students passing out (%) Students Admitted/passing out (pass %)	No. of students passing out (%)								No. of students Admitted (%)	
		2018-2019 : 100% 2019-2020 : 100% 2020-2021: 100%								2018-2019 : 48/48=100% 2019-2020 : 48/48=100% 2020-2021 : 48/48=100% 2021-2022 : 48/48=100%	
3	Drop-out rates	2018-2019 : 1 2019-2020 : 1 2020-2021 : 2 2021-2022 : Nil									
4	No. of students opting for MSc	2018-2019 : 7 2019-2020 : 9								2020-2021 : 4 2021-2022 : 25	
5	Average marks	60%								75%	
6	No. of hands-on experiments being conducted	As per affiliated university syllabus								10 - Refer <a href="#">Annexure 7 Page 32</a>	
7	No. of new experiments introduced	NIL								02 (for those who joined 2020-2021 academic year) Refer <a href="#">Annexure 7 Page 32</a>	
8	Publications (scopus indexed) /patents, if any.	NIL								3 Refer <a href="#">Annexure 11 Page 35</a>	
9	Training received by Faculty	NIL								1	
10	Exhibitions/seminars /training courses conducted	2018-2019 : Exhibition-1 Seminars-4 Hands on Training-1 Workshop-1 Refer <a href="#">Annexure 8 Page 33</a>  2019-2020 : Exhibition-- Seminars-4 Hands on Training-1 Workshop-- Refer <a href="#">Annexure 9 Page 41</a>								2020-2021 : Exhibition- Seminars-11 Hands on Training-1 Workshop-1 Refer <a href="#">Annexure 10 Page 35</a>  2021-2022 : Exhibition- Nil Seminars-2 Hands on workshop-6 Industrial Visit - 2 Refer <a href="#">Annexure 10 Page 35</a>	
11	Books/journals subscribed from Grants	-								-	
12	Outreach activities (Popular lectures)	2018-2019 : Hands on Training – 02								-	
13	Colleges mentored to apply for DBT Star College grants	NIL								Yes S.R.N.M. College, Sattur.	
14	Invited lectures	2								3	

**Department of Electronics**



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S. no	Indicator	Pre-support								During /After Support								Remarks
1	No. of students admitted: 2018-2019	Total=23								No. of students admitted: 2020-2021 Total= 17								
		M=15				F=08				M=17				F=0				
		SC	ST	OBC	G	SC	ST	OBC	G	SC	ST	OBC	G	SC	ST	OBC	G	
		06	-	09	-	02	-	06	-	-	-	16	01	-	-	-	-	
	No. of students admitted: 2019-2020	Total=28								No. of students admitted: 2020-2021 Total= 05								
		M=22				F=06												
		SC	ST	OBC	G	SC	ST	OBC	G									
		01	-	21	-	-	-	06	-	M=05				F=0				
										SC	ST	OBC	G	SC	ST	OBC		
										2	-	3	-	-	-	-		
2	No. of students passing out (%) Students Admitted/passing out (pass %)	No.of students passing out percentage  2018-2019 : 100% 2019-2020 : 100% 2020-2021: 100%								No.of students admitted percentage  2018-2019 : 23/48 = 47.9% 2019-2020 : 28/48 = 58.3% 2020-2021 : 17/48 = 35.4% 2021 – 2022: 05/48 = 10.4%								
3	Drop-out rates	2018-2020 : 05 2019-2020 : 03								2020-2021 : Nil 2021- 2022 : 01								
4	No. of students opting for MSc	2018-2019 : 03 2019-2020 : 02								2020-2021 : Nil								
5	Average marks	Above 60%								70%								
6	No. of hands-on experiments being conducted	As per affiliated university syllabus								12 <a href="#">Refer Annexure 12 Page 43</a>								
7	No. of new experiments introduced	Nil								04 (for those who joined 2020-21 academic year) <a href="#">Refer Annexure 12 Page 43</a>								
8	Publications (scopus indexed) /patents, if any.	Nil								Nil								
9	Training received by faculty	Nil								Nil <a href="#">Refer Annexure 16 Page 54</a>								



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10	Exhibitions/seminars /training courses conducted	<p>2018-2019 :</p> <p>Exhibition – 01</p> <p>Seminars – 02</p> <p>Hands on Training – 02</p> <p>Workshop - 02</p> <p align="center"><a href="#">Refer Annexure 13 Page 43</a></p> <p>2019-2020 :</p> <p>Seminars – 03</p> <p>Workshop - 01</p> <p>Hands on Training – 01</p> <p>Awareness Programme – 01</p> <p align="center"><a href="#">Refer Annexure 14 Page 44</a></p>	<p>2020-2021:</p> <p>Webinars – 10</p> <p>FDP for Lab Technicians – 01</p> <p>Hands on Training on Mobile phone Servicing – 01</p> <p>Hands on Training on Mushroom Cultivation - 01</p> <p align="center"><a href="#">Refer Annexure 15 Page 45</a></p> <p>2021-2022:</p> <p>Webinars – 10</p> <p>FDP for Lab Technicians – 01</p> <p>Hands on Training on Mobile phone Servicing – 01</p> <p>Hands on Training on Mushroom Cultivation - 01</p> <p align="center"><a href="#">Refer Annexure 15 Page 45</a></p>	
11	Books/journals subscribed from Grants		Nil	
12	Outreach activities (Popular lectures)	<p>2018-2019 :</p> <p>Hands on Training – 02</p> <p>2019-2020 :</p> <p>Hands on Training – 01</p> <p align="center"><a href="#">Refer Annexure 13 &amp; 14 Page 43&amp;44</a></p>	<p>Hands on Training on Mushroom Cultivation</p> <p align="center"><a href="#">Refer Annexure 15 Page 45</a></p> <p>2021-2022 : Nil</p>	
13	Colleges mentored to apply for DBT Star College grants	Nil	<p align="center">Yes</p> <p align="center">S.R.N.M College, Satur.</p>	
14	Invited lectures	<a href="#">Refer Annexure 13 &amp; 14 Page 43&amp;44</a>	<a href="#">Refer Annexure 15 Page 38</a>	

### 10. Self Evaluation

Department	*Objective (as stated in proposal)	% achieved	Reasons for under achievement / If achieved, state in quantitative metrics
Mathematics	To develop Mathematical skills	90%	02
	Strengthen the existing academic and computer infrastructure.	100%	02
	Curriculum standard	100%	02
	Training Programmes for students	100%	02



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	Training Programmes for faculty outreach activities for +2 students	60%	01
	Minor Project for students	0%	0 - Reason: Pandemic situation
Chemistry	Project work	100%	02
	Strengthen the existing academic and physical infrastructure.	100%	02
	Training Programmes for faculty improvement	50%	01
	Seminars and workshop	100%	02
	Access and exposure to students to visit research laboratories and industries	0%	0 - Reason: Pandemic situation
Computer Science & 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	80%	01
	Access and exposure to students to visit research laboratories and industries	0%	0

\* 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**



ANNEXURE 1 – REPORT : 2021-2022

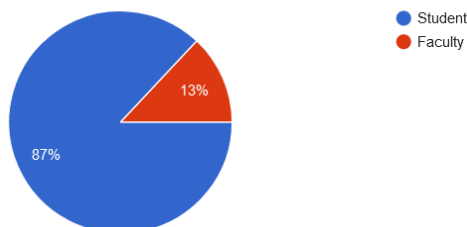
**DBT STAR COLLEGE SCHME ACTIVITY**  
**Department of Electronics**  
**August (2021-2022) Month Report**

**1. Name & Title of the Activity: National Webinar on “A Three-Day Virtual Workshop on MultiSim”**

**Date & Venue: 24.08.2021 to 26.08.2021 & YouTube Live**

**Beneficiary & Number of Beneficiaries:**

46 responses



Brief Description	Outcome
Multisim is a powerful circuit simulation tool from National Instruments. And it is used in industries as simulation tool, so we have arranged a three day online live program on our college YouTube channel to teach the tool.	In the program, we have covered analogue, digital and amplifier designs using multisim. And faculties and students from our college and other college have participated and learned the tool.
Photo 1	Photo 2



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DBT STAR College Scheme, Govt. of India  
(Under the Management of the G. Koppaswamy Naidu Charity Trust for Education and Medical Relief, Coimbatore)

*Department of Electronics*  
cordially invites you to  
**"A Three Day Virtual Workshop on MultiSim"**  
(under DBT STAR College Scheme)

**Keynote Speaker:**  
Mr. P. Valrava Raja, M.Tech., (NET)  
Assistant Professor/Electronics,  
G. Venkataswamy Naidu College,  
Kovilpatti.

**Join us**  
from 24.08.2021 to 26.08.2021  
@ 11:30am

**Patron**  
Dr. P. Mahendran, Secretary

**Chairman**  
Dr. N. R. Santhi Maheswari, Principal  
Dr. G. Venkadasalpathi, Director (SFC)

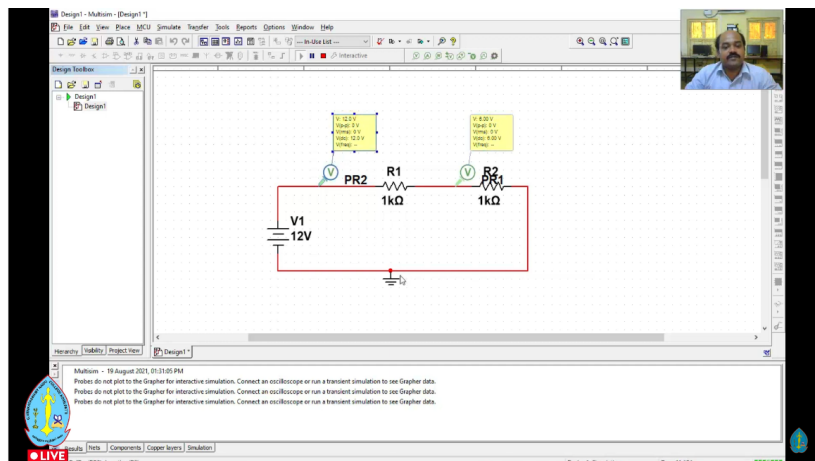
**DBT - Coordinator**  
Dr. B. Magesh Kumar,  
Assistant Professor & Head,  
Department of Botany

**Convenor**  
Mrs. R. Manimegalai,  
Assistant Professor & Head

**Coordinators**  
Mr. S. Sankarganesh  
Ms. G. Jeyapriya  
Mr. V. Sivaramasubbu  
Assistant Professors,  
Department of Electronics

Registration Link : <https://forms.gle/KTtr3ts2fuV1Xsg99>

"All Men Are Created Equal But Only The Finest Study Electronics"



**Caption: Invitation**

**Caption: Live on our college YouTube channel.**

**Link is**

<https://www.youtube.com/watch?v=PWT00MUArHA>

<https://www.youtube.com/watch?v=uFElu2L8hjs>

<https://www.youtube.com/watch?v=JjQ7p3AeJTo>





**September (2021-2022) Month Report**

**2. Name & Title of the Activity: Seminar on “Biomedical Instruments – A Lifesaver”**

**Date & Venue: 09.09.2021 & Microprocessor Lab, GVN College**

**Beneficiary & Number of Beneficiaries:**

**Internal Staff and student participants from our department.**

Brief Description	Outcome
Biomedical field is having lot of applications in terms of machine and sensors. So, the electronic field is playing a vital role in life saving equipment that are used in the biomedical field.	The students came to know the novelty and importance of electronics equipment if biomedical instruments. And they had learned the exposure in that field.
<b>Photo 1</b>	

**3. Name & Title of the Activity: Workshop on “Say Hello to E-Bike”**

**Date & Venue: 15.09.2021 & Seminar Hall, GVN College**

**Beneficiary & Number of Beneficiaries:**

**Internal participants as students and staff from our college.**

Brief Description	Outcome
E-Bike is hot talk of the day, as we are more concerned about the adverse effect of fossil fuels on the environment. As increase of e-vehicle nowadays, we need to know the technology behind such vehicle and parts (both mechanical and electrical). So, we have organized this event.	Students <ul style="list-style-type: none"><li>● Learned working principles of e-vehicle.</li><li>● Learned battery technologies.</li><li>● Learned about both mechanical and electrical.</li></ul>
<b>Photo</b>	



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(Under the Management of the G. Kuppuswamy Naidu Charity Trust for Education and Medical Relief, Coimbatore)

*Department of Electronics*

cordially invites you to seminar on

**“Say Hello to E-Bike”**

*- An alternative solution to fossil fuel*

(under DBT STAR College Scheme)

**Keynote Speaker:**  
**Mr. V. Thangaraj, MBA.,**  
**Proprietor,**  
**Sai Motors, Kovilpatti.**

**15.09.2021**  
**@ 11:00am**

**Caption: Invitation**

**October (2021-2022) Month Report**

**4. Name & Title of the Activity: Webinar on “Embedded Systems in Automotive Applications”**

**Date & Venue: 29.10.2021 & Google Meet Platform**

**Beneficiary & Number of Beneficiaries:**

**Students attended the meeting with projector displayed at Microprocessor lab.**

Registration Form - Webinar on "Embedded Systems in Automotive Applications" organizing by Department of Electronics under DBT STAR College Scheme on 29th Oct 2021 at 11.30AM

Meeting Link: <https://meet.google.com/zuu-pvxf-nnn>

Brief Description	Outcome
Increase use of IoT devices, there is need of understanding embedded systems. The hardware used in IoT devices are worked with embedded systems. So, in order to understand these concepts, we have arranged this webinar.	<p>Students</p> <ul style="list-style-type: none"> <li>Learned about embedded applications.</li> <li>Learned IoT embedded devices used in vehicle dashboard systems.</li> </ul>
<b>Photo 1</b>	<b>Photo 2</b>



 <p><b>G. Venkataswamy Naidu College, Kovilpatti</b> (Autonomous) Re-accredited with 'A' grade (3.21 of 4.0) by NAAC STAR College Scheme by DBT, Govt. of India Under the Management of the G. Kuppuswamy Naidu Charity Trust for Education and Medical Relief, Coimbatore</p> <p><i>Department of Electronics</i></p> <p>Cordially invites you to join the National webinar on <b>“Embedded Systems in Automotive Applications”</b> (under DBT STAR College Scheme)</p> <p><b>Resource Person</b> <b>Mr. Mutharasu Beemarajan,</b> Deputy Manager, Metier Hardware, Coimbatore. <a href="https://meet.google.com/zuu-pvxf-nnn">https://meet.google.com/zuu-pvxf-nnn</a></p> <p><b>Join us on 29.10.2021 (Friday) at 11:30am</b></p> <p><b>Patron</b> Dr. P. Mahendran, Secretary</p> <p><b>Chairman</b> Dr. N.R. Santhi Maheswari, Principal i/c Dr. G. Venkadasalapathi, Director</p> <p><b>DBT - Coordinator</b> Dr. B. Mahesh Kumar, Assistant Professor &amp; Head, Department of Botany.</p> <p><b>Convenor</b> Mrs. R. Manimegalai, Assistant Professor &amp; Head</p> <p><b>Coordinators</b> Mr. S. Sankarganesh Ms. G. Jeyapriya Mr. V. Sivaramasubbu Mr. P. Vairava Raja Assistant Professors, Department of Electronics</p> <p>Registration Link : <a href="https://forms.gle/PBpdyhW4RSLVr4KA">https://forms.gle/PBpdyhW4RSLVr4KA</a></p> <p>“All Men Are Created Equal But Only The Finest Study Electronics”</p>	 <p><b>Automotive Electronics Engine Control Unit</b></p> <p>Embedded Systems and Automotive Electronics 29 October 2021 2:18 / 1:30:45</p>
<p><b>Caption: Invitation</b></p>	<p><b>Caption: Meet recording link.</b> <a href="https://drive.google.com/drive/u/1/folders/1b4j1_VAFmaum_d5J1foFjMSeM_uJR511">https://drive.google.com/drive/u/1/folders/1b4j1_VAFmaum_d5J1foFjMSeM_uJR511</a></p>

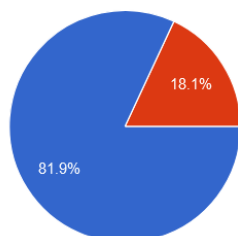
### January (2021-2022) Month Report

**5. Name & Title of the Activity: Workshop on “VBA Programming in MS-Excel”**

**Date & Venue: 28.01.2022 & YouTube Live**

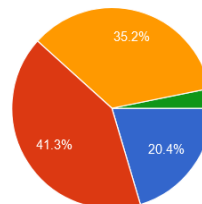
**Beneficiary & Number of Beneficiaries:**

277 responses



● Student  
● Faculty

How likely is it that you would recommend this webinar to a friend or colleague?



● Occasionally  
● Likely  
● Most likely  
● Never

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



## G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS) KOVILPATTI - 628502



MS-Excel is a powerful spread sheet application for Microsoft. We can do calculative and analysis study with MS-Excel very easily. Even in some industries, MS-Excel is used as inventory, stock and employee maintenance system. So, we have arranged a one day online live program on our college YouTube channel to teach the tool.

In the program, we have covered basic cell structure, formulas and basics of VBA programming and creating user defined functions. Faculties and students from our college and other college have participated and learned the tool.

**Photo 1**

**Photo 2**

**G. Venkataswamy Naidu College, Kovilpatti**  
(Autonomous)  
Re-accredited with 'A' grade (3.21 of 4.0) by NAAC  
STAR College Scheme by DBT, Govt. of India  
Under the Management of the G. Kuppusamy Naidu Charitable Trust for Education and Medical Relief, Coimbatore

**Institution's Innovation Council**  
in association with  
**Department of Electronics**  
workshop on  
**"VBA Programming in MS-Excel"**

**Resource Person**  
Mr. Valirava Raja P,  
Assistant Professor,  
Dept. of Electronics,  
G.Venkataswamy Naidu College,  
Kovilpatti.

**Join us on 28.01.2022  
(Friday)  
at 10:00am**

**Chief Patron**  
Dr. P. Mahendran, Secretary

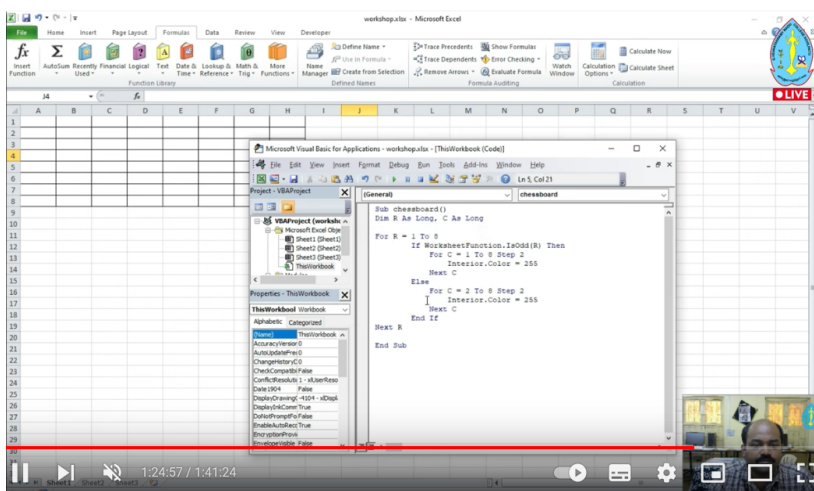
**Patron**  
Dr. N.R. Santhi Maheswari, Principal

**Convener**  
Dr. G. Venkatasalpathi, Director

**Organizing Secretary**  
Mrs. R. Veeralakshmi,  
Assistant Professor & Head,  
Dept. of Information Technology

**Mr. S. Sankarganesh**  
Assistant Professor,  
Department of Electronics

Registration Link : <https://forms.gle/jcgZARA2EIJx6V5G9>  
"All Men Are Created Equal But Only The Finest Study Electronics"



**Caption: Invitation**

**Caption: Live on our college YouTube channel.**

**Link is**  
<https://www.youtube.com/watch?v=c1XCiWkZHCA>

### February (2021-2022) Month Report

**6. Name & Title of the Activity: Event on "Science Day Quiz"**

**Date & Venue: 28.02.2022 & Auditorium, GVN College**

**Beneficiary & Number of Beneficiaries:**



**Student participants from other departments.**

Brief Description	Outcome
To celebrate science day, every year the quiz program is	The students from the various departments gone through preliminary screening test followed by 5 teams are selected and the



conducted for the other department students from Electronics department	quiz competition is conducted for them. They have actively participated in the program.
---	--

#### Event Photos

 <p>Palaya Appaneri, Tamil Nadu, India Kovilpatti - Thiruvankadam Main Rd, Palaya Appaneri, Tamil Nadu 628502, India Lat 9.196517° Long 77.834969° 28/02/22 12:28 PM</p>	 <p>Palaya Appaneri, Tamil Nadu, India Kovilpatti - Thiruvankadam Main Rd, Palaya Appaneri, Tamil Nadu 628502, India Lat 9.196517° Long 77.834969° 28/02/22 12:36 PM</p>
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#### March (2021-2022) Month Report

**7. Name & Title of the Activity: Motivational Program on “Being a Winner”**

**Date & Venue: 09.03.2022 & Microprocessor Lab, GVN College**

**Beneficiary & Number of Beneficiaries:**

**1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Year Students of Electronics attended the program in offline mode at Seminar Hall, GVN College**

Brief Description	Outcome
After the relaxation of COVID restrictions, the students are in need of motivational programs to boost their confidence level in order to survive in the competitive world. And also, they need motivations towards learning new things related to study to improve their knowledge. So, we have organized this program to address the issue of the students.	<p>Students</p> <ul style="list-style-type: none"> <li>● Learned how to change their thoughts positively.</li> <li>● Learned how to be self-motivated to achieve success in their life.</li> <li>● Realized the importance of continuous learning process in order to achieve great height in their life.</li> </ul>
Event Photos	





**8. Name & Title of the Activity: Seminar on “Placement training program – Employability in Electronics Domain”**

**Date & Venue: 11.03.2022 & Class Room, Electronics Department, GVN College**

**Beneficiary & Number of Beneficiaries:**

**1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Year Students of Electronics attended the program in offline mode at Class room, Electronics department, GVN College.**

Brief Description	Outcome
As majority of the students from economically backward and rural area, to increase their living standard, it is necessary to get job. So that to enlighten their opportunities in various	Students <ul style="list-style-type: none"><li>• Learned opportunities in Electronic Industries.</li><li>• Learned opportunities not only in Electronic Industries but also in Software Industries.</li><li>• Learned importance of python in electronic industries.</li></ul>



electronics industries, this program is organized by the department of Electronics.

### Event Photos



## **G. Venkataswamy Naidu College, Kovilpatti**

Autonomous | Reaccredited with 'A' grade (3.21 of 4.0) by NAAC

DBT STAR College Scheme, Govt. of India

(Under the Management of the G. Kuppuswamy Naidu Charity Trust for Education and Medical Relief, Coimbatore)

*Department of Electronics*

cordially invites you to seminar on

### **“Placement Training Program”** **- Employability in Electronics Domain**

(under DBT STAR College Scheme)

#### **Keynote Speaker:**

**Mr. S. Ramesh Kumar,**  
**Placement Officer,**  
**Sethu Institute of Technology,**  
**Kaariapatti.**

**11.03.2022**

**@ 10:00am**

**Caption: Invitation**

ANNEXURE 2 – REPORT : 2019-2020

ANNEXURE 3 – REPORT : 2020-2021

**DBT STAR COLLEGE SCHEME ACTIVITY**

**MATHEMATICS**





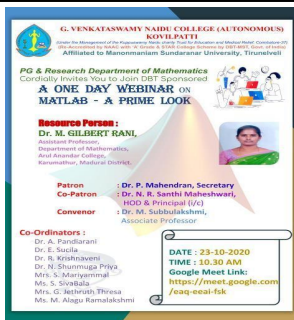
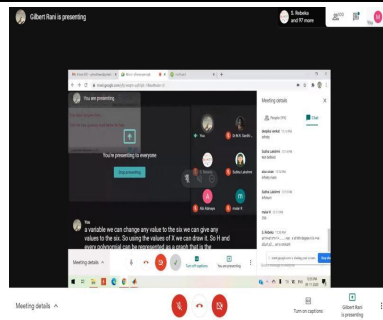
**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)  
KOVILPATTI - 628502**



**1. Name & Title of the Activity:** 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
<b>Photo 1</b>	<b>Photo 2</b>
	
<b>Caption : Invitation</b>	<b>Caption : <a href="http://meet.google.com/eqq-eeai-fsk">http://meet.google.com/eqq-eeai-fsk</a></b>


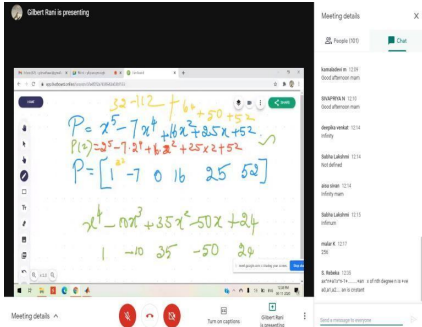
**2. Name & Title of the Activity:** Student Enrichment Programme on Basic Ideas of MATLAB

**Date & Venue:** 06.11.2020 & 09.11.2020 & Google meet Platform

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

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



<p>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.</p>	<ol style="list-style-type: none"> <li>1. Perform the arithmetic operations.</li> <li>2. Find roots of given polynomials.</li> <li>3. Do form the polynomials from the roots.</li> <li>4. Evaluate the value of the function at a given point</li> <li>5. Plot graph against the given 2D,3D values.</li> <li>6. Cater the knowledge of different types graphs available in MATLAB.</li> <li>7. Draw a suitable graph for given data.</li> <li>8. Design the graph</li> </ol>
<p align="center"><b>Photo 1</b></p>	<p align="center"><b>Photo 2</b></p>
	
<p><b>Caption: Invitation</b></p>	<p><b>Caption: <a href="http://meet.google.com/yfq-woqm-ujh">http://meet.google.com/yfq-woqm-ujh</a></b></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
-------------------	---------



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.

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.

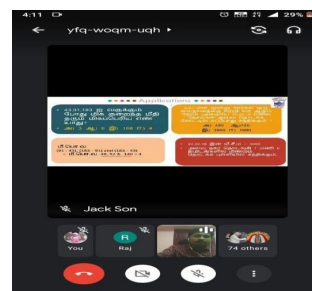
This enrichment programme provided us many shortcut ways to finish the problems in short period of time. Particularly under the topics of HCF, LCM, distance problems etc and also discussed many important problems also motivate to achieve our goals at earliest.

**Photo 1**



**Caption : Invitation**

**Photo 2**



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

#### 4. Name & Title of the Activity: Student Enrichment Programme-Employment Opportunities for Mathematics


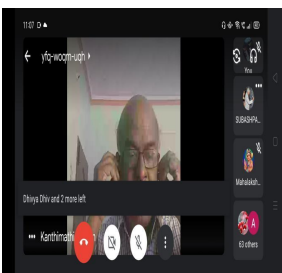
Graduates.

**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 of various job opportunities found around us and helpful for the graduates , a guiding light for their upcoming career.</p>
<p align="center"><b>Photo 1</b></p>	<p align="center"><b>Photo 2</b></p>
	
<p><b>Caption : Invitation</b></p>	<p><b>Caption: <a href="http://meet.google.com/yfg-woqm-uqh">http://meet.google.com/yfg-woqm-uqh</a></b></p>

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

**Date & Venue:** 30.11.2020 & Google meet Platform


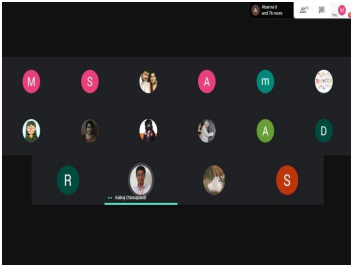
**Beneficiary & Number of Beneficiaries:** Students: 120, Faculties: 10

Brief Description	Outcome
<p>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.</p>	<ol style="list-style-type: none"> <li>1. How mathematics is intertwined with our life and easy ways to learn important definitions under algebra and analysis</li> <li>2. Have some shortcuts to solve the clock sums in easy ways.</li> </ol>
<p align="center"><b>Photo 1</b></p>	<p align="center"><b>Photo 2</b></p>



# G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS) KOVILPATTI - 628502




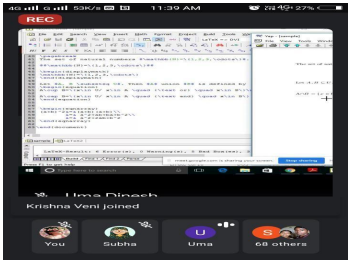
	
<p style="text-align: center;"><b>Caption: Invitation</b></p>	<p style="text-align: center;"><b>Caption: <a href="http://meet.google.com/yfg-woqm-ugh">http://meet.google.com/yfg-woqm-ugh</a></b></p>

## 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
<p>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.</p>	<p>Utilizing LATEX to build a technical text. Just how to write mathematical notations and formulas.</p> <p>Using LATEX to construct tables. How to insert a LATEX document also with figures</p>
Photo 1	Photo 2
	
<p style="text-align: center;"><b>Caption : Invitation</b></p>	<p style="text-align: center;"><b>Caption : <a href="http://meet.google.com/iok-serx-qpn?hs=122&amp;authuser=0">http://meet.google.com/iok-serx-qpn?hs=122&amp;authuser=0</a></b></p>



**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)  
KOVILPATTI - 628502**



**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
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.	<ul style="list-style-type: none"> <li>● Install and use LATEX</li> <li>● Write documents containing mathematical formulas</li> <li>● Draws graphs and figures in LATEX</li> <li>● Prepare presentation using LATEX</li> <li>● Write articles in different journal styles.</li> </ul>
Photo 1	Photo 2
<b>Caption: Invitation</b>	<b>Caption:</b> <ol style="list-style-type: none"> <li>1. Dr. N. Mohamed Rilwan</li> <li>2. Dr. N. Shunmugapriya</li> </ol>

**8. Name & Title of the Activity:** Students Enrichment Program-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
This programme gives the students to get Job opportunities, to meet the challenges in future. To qualify themselves National Eligibility Test.	To enrich their divergent thinking, creativity skills and reasoning ability.
Photo 1	Photo 2





# G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS) KOVILPATTI - 628502





	
<p style="text-align: center;"><b>Caption: Invitation</b></p>	<p style="text-align: center;"><b>Caption: Dr. C. Sekar</b></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
<p>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</p>	<p>A human being can lead a smooth and productive life if he/she understand mathematics in a proper way.</p>
Photo 1	Photo 2
	
<p style="text-align: center;"><b>Caption: Invitation</b></p>	<p style="text-align: center;"><b>Caption: Dr. M.Sankar</b></p>

## 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





**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)  
KOVILPATTI - 628502**



Brief Description	Outcome
<p>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.</p>	<p>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.</p>
Photo 1	Photo 2
	
<p align="center"><b>Caption : Invitation</b></p>	<p align="center"><b>Caption: <a href="http://meet.google.com/uqt-kept-xfr?hs=122&amp;authuser=0">http://meet.google.com/uqt-kept-xfr?hs=122&amp;authuser=0</a></b></p>

**DBT Coordinator**

**PRINCIPAL**



ANNEXURE – 4

B.Sc., Chemistry

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

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  $\text{Na}_2\text{CO}_3$  – Std.  $\text{Na}_2\text{CO}_3$
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.  $\text{ZnSO}_4$
12. Estimation of Pb – Std.  $\text{ZnSO}_4$
13. Estimation of Mg – Std.  $\text{ZnSO}_4$
14. Estimation of Ca -Std.  $\text{ZnSO}_4$
15. Estimation of Mn-Std.  $\text{ZnSO}_4$
16. Estimation of Cu - Std.  $\text{CuSO}_4$
17. Estimation of Ni- Std. Nickel ammonium sulphate



**ANNEXURE – 5**

**Department of Chemistry Activities for 2018-2019**

S.NO	DATE	DETAILS OF THE PROGRAM	RESOURCE PERSON
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 – 6**

**DBT STAR COLLEGE SCHEME ACTIVITY**

**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
Electro chemical bio sensors is an emerging field. The electro chemical 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 bio molecules. They are widely used in bio sensing and bio sensing–drug delivery applications	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.




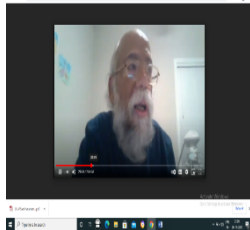
Photo1	Photo2
	
<b>Caption: Invitation</b>	<b>Caption: Platform: Youtube&amp; Zoom App</b> <b>Links:</b> <a href="https://youtu.be/4PvOLVzHV3g">https://youtu.be/4PvOLVzHV3g</a> <a href="https://youtu.be/ER6YIeYjluY">https://youtu.be/ER6YIeYjluY</a> <a href="https://zoom.us/j/94602599567?pwd=YWk0U3JieUJOU0U3WR0hHZkhvamtNUT09">https://zoom.us/j/94602599567?pwd=YWk0U3JieUJOU0U3WR0hHZkhvamtNUT09</a>

**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
	


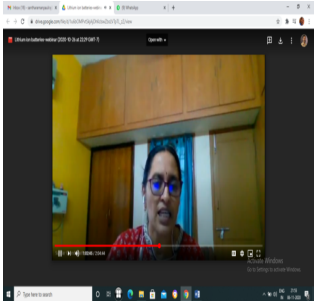


<b>Caption: Invitation</b>	<b>Caption: Google meet recorded picture</b> <b>Link: <a href="https://meet.google.com/wxz-fxif-ewf">https://meet.google.com/wxz-fxif-ewf</a></b>
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**3. Name & Title of the Activity:** State Level Webinar on “Lithium ion batteries”

**Date & Venue:** 27.10.2020 & Google meet

**Beneficiary & Number of Beneficiaries:** Students : 90

Brief Description	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
	
<b>Caption: Invitation</b>	<b>Caption: Google meet recorded picture</b> <b>Link : <a href="http://meet.google.com/kix-apap-mrm">http://meet.google.com/kix-apap-mrm</a></b>

**4. Name & Title of the Activity:** State level webinar on “Writing a Scientific Manuscript and Scientific Research Proposal – Key Points to Remember”

**Date & Venue:** 30.10.2020 & Google Meet Platform


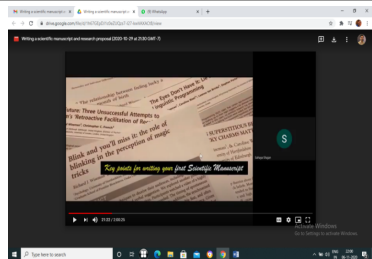
**Beneficiary & Number of Beneficiaries:** Faculties & 60

Brief Description	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 - 628502


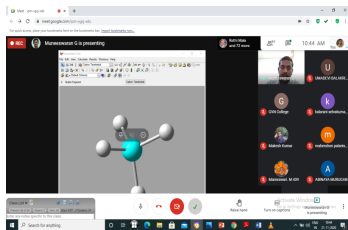


	
<p style="text-align: center;"><b>Caption: Invitation</b></p>	<p style="text-align: center;">Caption: Google meet recorded picture</p> <p style="text-align: center;"><b>Google Meet link:</b> <a href="https://meet.google.com/wof-wtkz-txj">meet.google.com/wof-wtkz-txj</a></p>

5. **Name & Title of the Activity:** State Level Webinar on “Computers for Chemistry Students”

**Date & Venue:** 21.11.2020 & Google Meet Platform

**Beneficiary & Number of Beneficiaries:** Students & 85

Brief Description	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 know the application of computers in Chemistry.</p> <p>Understand the 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 simulations of protein molecules.</p>
Photo1	Photo2
	
<p style="text-align: center;"><b>Caption: Invitation</b></p>	<p style="text-align: center;">Caption: Google meet recorded picture</p> <p style="text-align: center;"><b>Google Meet Link:</b> <a href="https://meet.google.com/ipm-vgcj-xdx">https://meet.google.com/ipm-vgcj-xdx</a></p>



6. **Name & Title of the Activity:** One day state level webinar on “Environmentally benign electrochemical energy conversion device- Fuel cells for sustainable energy supply”

**Date & Venue:** 27.11.2020 & Google meet platform

**Beneficiary Number of Beneficiaries:** Students & 100

Brief Description	Outcome
A number of new technologies, which will have substantial impact on the environment and the way we produce and utilize energy, are under development. Fuel cells and systems play a key role in a wide range of industry sectors. These devices are critical in enabling technologies for renewable energy; energy management, conservation, and storage; pollution control/monitoring; and greenhouse gas reduction.	Students will be able to learn about electrochemical energy conversion devices learn about the recent innovations in the field of fuel cell technology understand the impact of environmental friendly fuel cells in sustainable energy supply.
Photo1	Photo2
<b>Caption: Invitation</b>	<b>Caption: Google meet recorded picture</b> <b>Link:</b> <a href="https://meet.google.com/egm-gpyy-cee">https://meet.google.com/egm-gpyy-cee</a>

7. **Name & Title of the Activity:** Association Meeting on “Ambitious Journey”

**Date & Venue:** 04.12.2020 & Google meet platform

**Beneficiary & Number of Beneficiaries:** Students & 100

Brief Description	Outcome
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.	Students will be able to know about various employment opportunities in the Government sector Know about Group Service examinations conducted by the State and Union Governments .know few tips and tricks to to study and crack competitive exams.





**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)  
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<b>Photo1</b>	<b>Photo2</b>
	
<b>Caption: Invitation</b>	<b>Caption: Google meet recorded picture</b>  <b>Google Meet Link:</b> <a href="https://meet.google.com/jxt-xpeh-qje">https://meet.google.com/jxt-xpeh-qje</a>

**8. Name & Title of the Activity:** Training Programme on “Laboratory Safety and First Aid”

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

**Beneficiary & Number of Beneficiaries:** Students & Lab assistants & Faculties 150

<b>Brief Description</b>	<b>Outcome</b>
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>
<b>Photo1</b>	<b>Photo2</b>
	
<b>Caption: Invitation</b>	<b>Caption: Demo during the Training Programme on “Laboratory Safety and First Aid”</b>





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**9. Name & Title of the Activity: One Day Training Programme on PREPARATION OF  
HOUSEHOLD PRODUCTS OF DAY-TO-DAY USE"**

**Date & Venue: 10.03.2021 & Seminar Hall**

**Beneficiary & Number of Beneficiaries: Students & 110**

Brief Description	Outcome
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,	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.
<b>Photo1</b>	<b>Photo2</b>
	
<b>Caption: Invitation</b>	<b>Caption: Demo on the preparation of phenoylin the Training programme</b>

**10 Name & Title of the Activity: Two days students enrichment programme on "Challenging  
Quantitative Aptitude"**



**Date & Venue: 20.03.2021 & 21.03.2021 & Meeting Hall (Room No: 60)**

**Beneficiary & Number of Beneficiaries: Students & 150**



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Brief Description	Outcome
Quantitative aptitude refers to the ability to solve numerical problems and to handle numerical data. In most of the Exams, Quantitative Aptitude test is conducted as part of the written Exam.	Students will be able to Analyze data and solve problems.  Demonstrate procedural fluency with real number arithmetic operations  know the shortcut methods and avoid time consuming steps while solving Maths questions in competitive examinations
Photo1	Photo2
	
<b>Caption:</b> Invitation	<b>Caption:</b> Two days Students Enrichment programme on “Challenging Quantitative Aptitude”

**11. Name & Title of the Activity**

: Webinar on “Emerging trends in Nano and Green chemistry”

**Date& Venue**

: 24.03.2021 to 26.03.2021 Google Meet

**Beneficiary & Number of Beneficiaries**

: Students & 100

Brief Description	Outcome
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.  Nanotechnology in combination with Green Chemistry presents a unique opportunity to offer a more sustainable	Students will be able to  Know about key research areas in nano chemistry and also the multi faceted applications of nano technology  recognize the environmental impact of nano materials  recognize the economic and environmental benefits of green chemistry  know about various green path ways of synthesis of chemicals to minimize the hazards



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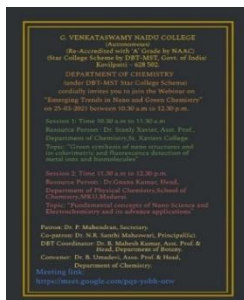
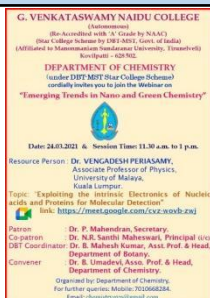


Department of  
BioTechnology,  
Government  
of India

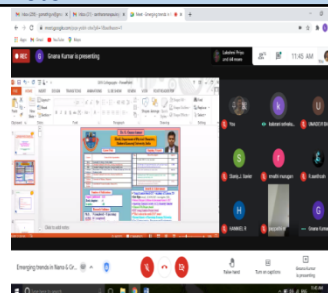
सत्यमेव जयते

approach to protect public health and environment.

**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>

**DBT Coordinator**

**PRINCIPAL**



**ANNEXURE – 7**

**B.Sc Computer Science**

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

**LIST OF PROGRAMMING IN C LAB EXPERIMENTS**

**I. C Programminng**

1. Implement Control Structures
2. Arrays in C
3. String and Function in C
4. 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

**IV. LINUX LAB**

1. Compile using gcc and Display the Output.
2. Linux commands
  - a) General purpose
  - b) Directory oriented.
  - c) File oriented,
  - d) Process oriented and
  - e) Communication oriented
3. Shell Script Programs

**ANNEXURE – 8**



**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)**  
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**Department of Computer Science Activities 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	UG Students
2	One day State Level Workshop on “Mobile & Laptop Servicing, CCTV Camera Servicing”	28/09/2018	Mr.G.Manikandaprabu, Chief Technical Engineer, SreeJothi Computer (Franchisee of Chip Systems).	UG Students
3	One day Workshop on “Corel Draw”	07/02/2019	Mr.K.Manikandan, RB Flex, Kovilpatti Alumini of our department.	UG 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, Sadakthullah Appa College, Triunelveli	UG Students
2	One day seminar on “Positive Attitude”	06/03/2019.	Mr.Neethiraja, Soft skills Trainer, JCI, Kovilpatti	UG Students

**Faculty Development Program**



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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, ICT Academy, Chennai	Staffs of various colleges

**Training Program**

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

**ANNEXURE – 9**

**Department of Computer Science Activities 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 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 Students
2	One day Seminar on “Machine Learning And Its Applications”	31/07/2019	Mrs.G.R.Hemalakshmi,National Engineering College,Kovilpatti.	UG 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 Students

**Faculty Development Program**





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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	+2 students

**ANNEXURE – 10**

**DBT STAR COLLEGE SCHEME ACTIVITY 2020-2021**

**Department of Computer Science**

S.No.	Date	Program/Activities	Time
1	09.11.2020	Seminar on “ <b>Overview on Cybercrimes Past, Present and Future</b> ” by Dr. Dejeey, Assistant Professor, Department of Computer Science Anna University Regional Center, Tirunelveli	11 am to 1 pm
		Brief Description	Outcome
		<ul style="list-style-type: none"> <li>Cybercrime is the most disruptive threat for financial markets, but at the same time is the most underrated by both regulators and financial institutions.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>We can use a number of tactics and techniques, including the legal system, peer pressure, and existing and emerging technologies, to prevent cybercrime.</li> <li>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>.</li> </ul>
		Photo	Beneficial Departments




**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)  
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	<p>Computer Science, Information Technology, Electronics</p>
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S.No.	Date	Program/Activities	Time
2	17.11.2020	Workshop on “ <b>Computer Hardware and Trouble shooting</b> ” Jayaprakash Srinivasan,Vilvaa visual Technologies Pvt Ltd, Chairman/CEO, Coimbatore	10.30 am to 12.30 am
<b>Brief Description</b>		<b>Outcome</b>	
<ul style="list-style-type: none"> <li>Hardware troubleshooting is the process of reviewing, diagnosing and identifying operational or technical problems within a hardware device or equipment.</li> <li>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.</li> </ul>		<ul style="list-style-type: none"> <li>Removing, repairing and replacing faulty RAM, hard disk or video/graphic card.</li> <li>Cleaning dusts from RAM and Video carts slot/ports and from cooling fan.</li> <li>Tightening cable and jumpers on motherboard and/or components.</li> <li>Software related hardware problems such as device driver update or installation.</li> </ul>	
<b>Photo</b>		<b>Beneficial Departments</b>	
		UG Students of Computer Science, Information Technology, Electronics	
S.No.	Date	Program/Activities	Time
3	29.01.2021	Virtual Power Seminar on “ <b>ArtificialIntelligence</b> ”, collaboration with ICT-Academy, <b>Resource Person</b> Mr.DilipMuralidaran, Senior Technical Instructor, Splunk, Chennai	10.00 am to 11.00 am
<b>Brief Description</b>		<b>Outcome</b>	



<ul style="list-style-type: none"> <li>Artificial intelligence (AI) is wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Thinking humanly</li> <li>Thinking rationally</li> <li>Acting humanly</li> <li>Acting rationally</li> </ul>
<b>Photo</b>	<b>Beneficial Departments</b>
	Staffs, UG Students

S.No.	Date	Program/Activities	Time
4	04.02.2021	Virtual Orientation Program on “ <b>3 Secrets to get your Dream Job in 2021/2022</b> ” Resource Person Mr.MuralidharanRajasekar, TEDx Speaker, Educationist, Director – CONNECT, CONNECT Training Solutions (P) Ltd., Tirunelveli.	11.00 am To 12.30 pm
<b>Brief Description</b>		<b>Outcome</b>	
<ul style="list-style-type: none"> <li>In this workshop encourage students make an appropriate career choice and why they should do it now.</li> </ul>		<ul style="list-style-type: none"> <li>broaden their perspective.</li> <li>develop the right strategies.</li> <li>gained job search support.</li> <li>It helps students understand their career options.</li> </ul>	

S.No.	Date	Program/Activities	Time
5	11.02.2021	A Career Guidance Seminar on “ <b>What’s Next? after B.Sc</b> ” <b>Study/Sit Idle ???...</b> at Seminar hall - I Resource Person Mr.M.BalaBhuvaneswaran, Resource Manager, Hradi Info Tech, Chennai.	10.00 am To 11.00 am
<b>Brief Description</b>		<b>Outcome</b>	



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KOVILPATTI - 628502**



<ul style="list-style-type: none"> <li>Making a career choice takes lot of efforts which requires self- analysis as well as considering academic preferences.</li> </ul>	<p>Students</p> <ul style="list-style-type: none"> <li>clarify their careergoals.</li> <li>determined their strengths and weaknesses.</li> <li>learn keyskills.</li> </ul>
<b>Photo</b>	<b>Beneficial Departments</b>
	UG Students


S.No.	Date	Program/Activities	Time
6	25.02.2021	<p>Workshop on <b>“Digital Learning”</b></p> <p>Mr.S.Karthikeyan, Assistant Professor, Department of IT, VHNSN College, Virudhunagar</p>	09.45 am to 12.30 pm
<b>Brief Description</b>		<b>Outcome</b>	
<ul style="list-style-type: none"> <li>Digital learning is any type of learning that is accompanied by technology or by instructional practice that makes effective use of technology.</li> <li>It encompasses the application of a wide spectrum of practices, including <u>blended</u> and virtual learning</li> </ul>		<ul style="list-style-type: none"> <li>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.</li> </ul>	
<b>Photo</b>		<b>Beneficial Departments</b>	
		UG Students	

S.No.	Date	Program/Activities	Time
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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS)  
KOVILPATTI - 628502**



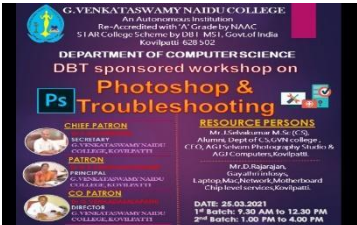
7	08.03.2021 to 22.03.2021	<b>“Advanced Excel Workshop”</b> 1.Dr. B.N. Prathibha, Head, Dept. of Computer Science, 2. Mr. P. Vairava Raja, Assistant Professor, Dept. of Electronics, G.Venkataswamy Naidu College (Autonomous)	09.40 am to 3.00 pm
<b>Brief Description</b>		<b>Outcome</b>	
<ul style="list-style-type: none"> <li>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.</li> </ul>		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	
<b>Photo</b>		<b>Beneficial Departments</b>	
		All UG branch Students	

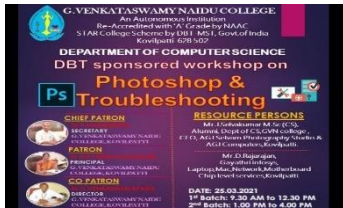
S.No.	Date	Program/Activities	Time
8	25.03.2021	<b>“Workshop on Photoshop “ by Mr.J.Selvakumar M.Sc COE, AGJ</b> Selvam Photography Studio and AGJ Computers, Kovilpatti	09.45 am to 12.30 pm
<b>Brief Description</b>		<b>Outcome</b>	
<ul style="list-style-type: none"> <li>Adobe Photoshop is a graphic editing program developed and published by Adobe Systems Incorporated.</li> <li>Adobe Photoshop is a professional image editing software package that can be used by experts and novices alike.</li> </ul>		Editing Images Cleaning up Images Changing Backgrounds Selecting Parts of Images Manipulating Colours of Images Retouching Tools Selection Tools	
<b>Photo</b>		<b>Beneficial Departments</b>	



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KOVILPATTI - 628502**



	UG Students
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S.No.	Date	Program/Activities	Time
9	25.03.2021	<b>“Troubleshooting”</b> BY Mr.D.Rajarajan,Gayathri, Infosys,Laptop, Mac, Network, Motherboard,Chip level service,Kovilpatti.	1.00 pm to 3.00 pm
<b>Brief Description</b>		<b>Outcome</b>	
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.		Removing, repairing and replacing faulty RAM, hard disk or video/graphic card.  Cleaning dusts from RAM and Video carts 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.	
<b>Photo</b>		<b>Beneficial Departments</b>	
		UG Students	

S.No.	Date	Program/Activities	Time
10	09.04.2021	Workshop on <b>“Career Opportunities in Germany amidst Covid 19”</b> BY Hamsika Naveen,Digital Leader at Aussie Digital Business System, Melbourne, Australia	09.45 am to 12.30 pm
<b>Brief Description</b>		<b>Outcome</b>	





<p>Common jobs for entrepreneurs include those in marketing, business development and management.</p> <p>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.</p>	<p>Entrepreneurs need a unique set of skills to be successful</p> <p>Being an effective networker is one of the best ways to grow your business opportunities, find high-quality employees and even secure partnerships..</p>
Photo	Beneficial Departments
	Staffs, UG Students

## ANNEXURE – 11

### Papers Published in the year 2020 – 2021

**Author : Dr.B.N.Prathiba**

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**



**ANNEXURE 12**

**ELECTRONICS**

**(For students admitted from 2020-21 & onwards)**

**Digital Electronics Lab Experiments**

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.

**ANNEXURE 13 – REPORT : 2018-2019**

**ANNEXURE 14 – REPORT : 2019-2020**

**ANNEXURE - 15**

**ANNEXURE – 16**

**DBT Coordinator**

**PRINCIPAL**



**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 **our Advisory committee member Dr.Rajendran, Microbiology PSG College of arts and science**
- 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 needed instruments on time.
- To conduct all the extra practical, 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.



**Following committee members were present for the meeting**

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

**External expert:** Dr.Rajendran, PSG College of arts and science -

**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 -



**Advisory Committee Meeting With External Experts**

**Minutes of the Advisory committee meeting of DBT Star College Scheme conducted on 10/11/2020.**

- A meeting of the DBT Star College Committee members with the Advisory Committee member (External expert) was conducted on 10/11/2020, before the start of the program.
- Dr. B.Makesh Kumar Co-Ordinator welcomed our Advisory committee member **Dr. Harathi Parasur Babu PSGR Krishanammal College for women Coimbatore.**
- Principal, Dr.N.R.Santhi Maheswari gave Felicitation Address.
- Dr. Harathi Parasur Babu gave Orientation and highlighted the importance of the DBT Star Scheme.
- To strengthen curricula and practical courses by development of e-contents, Laboratory manuals and SOPs for the specific instruments and experiments.
- To conduct all the extra practical, project work as mentioned in the proposal.
- To carryout group projects among the students of various science departments and to appreciate their research to address the societal issues.
- She insisted to Invite professionals from National/ international institutions/ industries to conduct webinar, workshop, conference etc.,
- She emphasized the need to purchase all the needed instruments on time, utilize the funds properly and document all the activities.
- To impart more focus on interdisciplinary activities hands on training and summer internships.
- Some faculties had queries related to the amount to be utilized by the different departments for activities. Dr. Harathi Parasur Babu answered all the queries.

The meeting ended with vote of thanks by Dr.B.N.Pradeepa HOD of Computer Science.





**Following committee members were present for the meeting**

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

**External expert:** Dr. Harathi Parasur Babu,  
PSGR Krishanammal College for women -

**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 -