



GOVERNMENT OF KARNATAKA

Vision Group on Science and Technology

Department of Information Technology, Biotechnology and Science & Technology
Karnataka Government Secretariat, Room No.702, 7th Floor, 4th Gate, M. S. Building, Dr. Ambedkar Veedhi,
Bangalore-560 001, Phone: 080-2203 2013

E-mail: visiongroup.st@gmail.com

Website: www.vgst.in

Dr. S. Ananth Raj
Consultant

No. VGST/TRIP/2014-15

Date: 03-03-2015

VGST - GRANT SANCTION LETTER

(6)

To,

The Principal,

Sapthagiri College of Engineering,

No.14/05, Chikkasandra,

Hesaraghatta Main Road,

Bangalore - 560 057

Dear Sir/Madam,

Greetings from Vision Group on Science and Technology (VGST)

Sub: Sanction letter of VGST, DST, GoK for the release of TRIP
Support grant (FY: 2014-15).

* * * * *

1. The Vision Group on Science and Technology (VGST) was constituted in October 2008 under the Chairmanship of distinguished Scientist Bharat Ratna Prof. C.N.R. Rao, FRS., Chairman, National Research Professor and Honorary President and Linus Pauling Research Professor. The VGST is functioning under the aegis of Department of Information Technology, Biotechnology and Science and Technology (Dept. IT, BT and S&T), Government of Karnataka (GoK). The main objective of VGST is to promote Science Education and Research activities among students, teachers and researchers of Karnataka State.
2. Technology Related Innovative Projects (TRIP) is one of the flagship programmes of VGST. The main objective of TRIP programme is to explore the innovative abilities of engineering students to develop prototype models and also encourage student projects related to Energy, Environmental Sciences and Biotechnology.
3. We regrets the delay in sending this cheque because of Administrative issues. VGST could not send the cheques within scheduled period. However, the date of submission of TRIP report AUC & ES has been extended to 31st July 2015.

4. I am herewith enclosing a crossed cheque for Rs.30,000=00 (Thirty Thousand only) vide cheque No. 970986 dated 28-2-2015 to the TRIP project. Kindly acknowledge the receipt of the grant. The acknowledgement letter is enclosed.

Sl. No.	Name of the College & Place	Name of the Student	Project Title
1	Sapthagiri College of Engineering, Bangalore	1) Madhuri 2) Rakshitha H. S.	Effect of Green Synthesized Copper nanoparticles on Lycopersicon Esculentum: A study involving the antioxidant defense related enzymes

5.

1.	TRIP Project Duration	5 Months (01/03/2015 to 31/07/2015)
2.	Last date for the submission of the following by institution for the TRIP programme (2014-15). (a) Project Report (PR) (b) Audited Utilization Certificate (AUC) (c) Expenditure Statement (ES)	31/07/2015
It is mandatory to submit the PR, AUC & ES to VGST by 31/07/2015. Only after the submission of these three documents the students become eligible to receive the TRIP certificate by VGST.		

6. The TRIP grant has to be utilized by the awardee students in accordance with the VGST approved Expenditure Allocation as given below.

Expenditure Allocation		
Budget Head	Particulars	Grant Amount (In Percent)
A	(1) Equipment	80% of the Allocated Grant (Rs.24,000/-)
	(2) Chemicals	
	(3) Glass Ware	
	(4) Specimen	
	(5) Outsourcing – for chemical analysis and other analytical work (if required)	
B	(1) Stationary	20% of the Allocated Grant (Rs.6,000/-)
	(2) Travel (if any) (not exceeding Rs. 600/-)	
	(3) Books and Journals, reading material	
	(4) Preparation of project report	

7. In case of non-utilization of TRIP grant the college authorities has to return the grant through crossed Cheque or DD favouring Scientific Officer, Dept. of IT, BT and S & T.
8. It is mandatory to complete the TRIP within 5 months. Hence, VGST request the college Principal to release the entire VGST grant to the Project Mentor as soon as you receive this letter and the cheque.

Thanking you,

Yours faithfully,

(Dr. S. Ananth Raj)

Pay to the order of

STATE BANK OF MYSORE

MULTICITY CHEQUE - CASHER ACCOUNT
BANASHANKARI STAGE BRANCH (30463) BANGALORE 560070

28 02 2015
D D M Y Y Y

DAY The Principal, Sapthagiri College of Engineering,

Bangalore
Signature of OR BEARER

RUPEES रुपये Thirty Thousand Only
X 0 X

₹ 30,000/-

No. No. 64110830474

[Signature]

CBS BRANCH

MANAGING DIRECTOR, KARNATAKA SCIENCE AND TECHNOLOGY PROMOTION SOCIETY
Payable at par at all branches of State Bank of Mysore
Multicity cheque is payable upto a maximum of Rs. 50000/-
Please sign above

970988 560006004 003104 31

[Signature]

Guide copy

**Effect of green synthesized copper nanoparticles on
Lycopersicon esculentum: A study involving the antioxidant
defense related enzymes**

**A Project report submitted to the Technology Related Innovative Projects
(TRIP – 2014-15)**

Submitted By

Madhuri Bhat S

Rakshitha H.S

Under the guidance of

Dr. Ananda S, MSc, PhD

Professor and Head of the Department

Department of Biotechnology



Sapthagiri College of Engineering

Affiliated to Visvesvaraya technological university

Bangalore, Karnataka

VB

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarghatta Main Road
Bangalore - 560 057

Submitted to

Government of Karnataka VISION GROUP ON SCIENCE AND TECHNOLOGY

Department of Information Technology, Biotechnology and Science & Technology

Bangalore, Karnataka

SAPTHAGIRI COLLEGE OF ENGINEERING


#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560 057

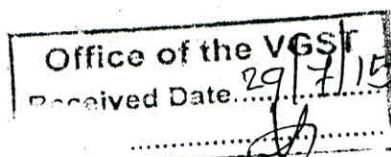


DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE

This is to certified that the project work entitled "Effect of green synthesized copper nanoparticles on *Lycopersicon esculentum*: A study involving the antioxidant defense related enzymes" has been carried out by Ms Madhuri bhat S and Ms Rakshitha H.S bonafide students of VI semester B.E in Biotechnology of Sapthagiri College of Engineering, under Technology Related Innovative Projects scheme of vision group on science and technology during the academic year 2014-2015. The research is a record of original work carried out by them, in Department of Biotechnology, Sapthagiri College of Engineering, Bangalore, Karnataka, under our guidance and supervision and it has not formed the basis for the award of any Degree.


Dr. Ananda S.
Head of the Department
Signature of Guide
Sapthagiri College of Engineering
No. 57/1, Chikkasandra,
Hesaraghatta Main Road
Bangalore-57




(Dr. Aswatha Kumar M)

Signature of Principal
Dr. Aswatha Kumar. M
Principal
Sapthagiri College of Engineering
No. 14/5, Chikkasandra,
Hesaraghatta Main Road,
Bangalore - 560 057.

Signature
Dr. S. Ananth Raj
Executive Secretary
Vision Group on Science and Technology (VGST)


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057



बैंकर्स चेक
BANKERS CHEQUE


1	4	0	1	2	0	1	9
D	D	M	M	Y	Y	Y	Y

को या उनके आदेश पर 8

OR ORDER

6
5
4
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2
1

दुस्ते भारतीय स्टेट बैंक
For STATE BANK OF INDIA



 प्रधिकृत हस्ताक्षर शाखा प्रबंधक
 AUTHORISED SIGNATORY BRANCH MANAGER

र 1,50,000/- का अधिकतम मूल्य का दो अधिकारियों द्वारा हस्ताक्षरित होने पर ही वैध है।
INSTRUMENTS FORM 50/000-8 ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS

11 14 20 56 11 000000 20 00 000504 11 16

AUDITED UTILISATION CERTIFICATE

1. Title of the Project/ Scheme: **Effect of green synthesized copper nanoparticles on *Lycopersicon esculentum*: A study involving the antioxidant defense related enzymes**
2. Name of the Institution: **Sapthagiri college of Engineering**
3. Name of the Principal Investigator: **Dr Ananda S**
4. Department of Science & Technology sanction order No & date Sanctioning the project:
7. Amount received during the financial year i. Amount : **30,000**
(Please give DST letter/order no and date) ii. Letter/Order No: **VGST/TRIP 101/2014-15**
iii. Date: **13-03-2015**
8. Total amount that was available for expenditure: **Rs. 30,000**
(Excluding commitments) during the financial year
9. Actual Expenditure (excluding commitments): **Rs. 30,084**
Incurred during the financial year (upto 31st March)
10. Balance amount available if any: **Nil**
11. Unspent balance refunded, if any (please give details of cheque no etc.): **Nil**


Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bangalore - 560 057

UTILISATION CERTIFICATE FOR PROJECT

Order no/Letter Date	Amount
Letter Dated: VGST/TRIP 101/2014-15, 03-03-2015 Chq No 970986	
Total amount utilized	30,084
Actual grants utilized	30,000
Unspent Balance	-84

Certified that Rs 30,000 of grants-in-aid under (project) was released by Vision Group on Science and Technology (VGST) And Karnataka Science and technology Promotion society (KSTePS) in favor of Principal Vide letter/ order No VGST/TRIP 101/2014-15, dated 03-03-2015 as stated above during the year 2014-2015. The above grant was sanctioned towards project. The sum of Rs 30,000 has been utilized for the purpose of which it was sanctioned and there is no remaining amount left at the end of the year 2014-2015. Expenditure incurred for the purpose for which the grant was sanctioned is verified with the vouchers produced before me.

Certified that I have satisfied myself that the grants in aid sanctioned have been fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visveswaraya Technological University, Belgaum & Approved by AICTE - New Delhi)

Statement of Expenditure

Bill No	Particulars	Amount (Rs)
	Sample characterization	
1	XRD analysis	1200
2	SEM analysis	900
3	Bacteria Xanthomonas vesicatoria from I-CBI + Courier charges	1100
	Glassware	
4	Micropipete	
	Disposable petriplates	
		10826
	Chemicals	
5	Guaicol	
	Fluorouracil	
	Cytidine arabinoside	
		3685
6	Tris Hcl buffer	
	Tween 20	
	B-phenyl alanine	
	Potassium dihydrogenate	
		5373
7	Catechol	1150
8	Tomato seeds	1350
	Stationary	500
	Travel	700
9	Preparation of project report (5)	1300
	Grand total (B)	30,084

Sl.No	Particulars	Grants Amount (Rs)
1	Grant received (A)	30,060
2	Total expenditure (B)	30,084
	Unspent Balance (A-B)	-84

Kinds of Checks Exercised

1. Supporting Bills
2. Vouching
3. Bank reconciliation

Signature:
Designation:
Date:
Place:


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bangalore - 560 057

Signature

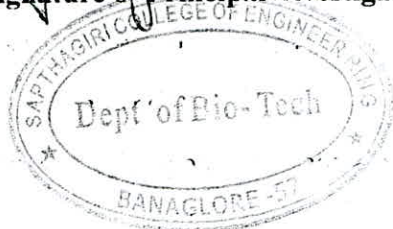
Name

Date

CERTIFICATE

Certified that I have verified the disturbance of Rs 30,000, thirty thousand towards project as mentioned above. We have exercised the verification of vouchers and supporting documents to see that the money was actually utilized for the purpose for which it was sanctioned.

Signature of Principal Investigator



Signature of the Principal

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bangalore - 560 057

Place: Bangalore

Signature of Chartered Accountant
(Seal)
(FRN and M.NO)



Signature

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bangalore - 560 057