

Government of India
Ministry of Science & Technology
Department of Science & Technology
NGP Division (earlier NRDMS)

Technology Bhavan,
New Mehrauli Road,
New Delhi-110016
Dated: 24.03.2021

ORDER

Subject: Financial support for conducting 3 days Geo Innovation Challenge on "Geospatial Science and Technologies" under National Geospatial Program (NGP) earlier NRDMS programme of Department of Science & Technology, New Delhi by Dr. K. Nagamani, Sathyabama Institute of Science and Technology, Jeppiaar NAGAR, Chennai, Tamil Nadu- 600119.

The National Geospatial Programme Division-NGP (earlier Natural Resources Data Management System-NRDMS) of the Department of Science & Technology Government of India, focuses on capacity building at various levels for planning and implementation in a spatio-temporal context in a multilevel framework. The NGP-DST over the last ten year has been supporting an exclusive training programme (21 days and 3 days) for various target groups. The capacity building programme of NGP has now evolved into a strong programme that has over the last ten years conducted 166 programs of three week duration benefitting over 5000 participants from academia, Government and research institutions across the country. During last year, 32 training programmes have been organized through various participating agencies all over the country. NGP-DST supports the participating institution with not only with financial resources as well as with knowledge resources required to conduct the program. A one stop portal (<http://dst-iget.in>) has been set up to facilitate the teaching-learning process. All the coordinators/ PI are requested to follow the guideline and the portal course material on.

2. Sanction of the President is conveyed for the approval of Rs. 3,00,000/- (Rupees Three Lakh only) for conducting the training programme mentioned in the subject under the supervision of Dr. K. Nagamani, Sathyabama Institute of Science and Technology, Jeppiaar NAGAR, Chennai, Tamil Nadu- 600119.

The budgetary details of the programme are as under:

S. No.	Item	Amount in (Rs.)
1.	Boarding / Lodging	1,00,000/-
2.	Travel cost	75,000/-
3.	Honorarium to experts/ Contingencies/Awards/	50,000/- ✓
4.	Training Kit	50,000/-
	Overhead	25,000/-
	Total	3,00,000/-

3. Sanction of the President is also conveyed for the payment of Rs. 2,00,000/- (Rupees Two Lakh only) to Sathyabama Institute of Science and Technology, Jeppiaar NAGAR, Chennai, Tamil Nadu as the first instalment of grant under "General Head" for organizing the above mentioned Training Programme.

4. The Amount of Rs. 2,00,000/- will be drawn by the Drawing and Disbursing Officer, Department of Science & Technology will be disbursed to Sathyabama Institute of Science and

डॉ. शुभा पांडेय / Dr. SHUBHA PANDEY
सहायक निदेशक / Assistant Director
विभाग / Department
DEPARTMENT OF SCIENCE & TECHNOLOGY
भारत सरकार / Govt. of India
नई दिल्ली-110016 / New Delhi-110016



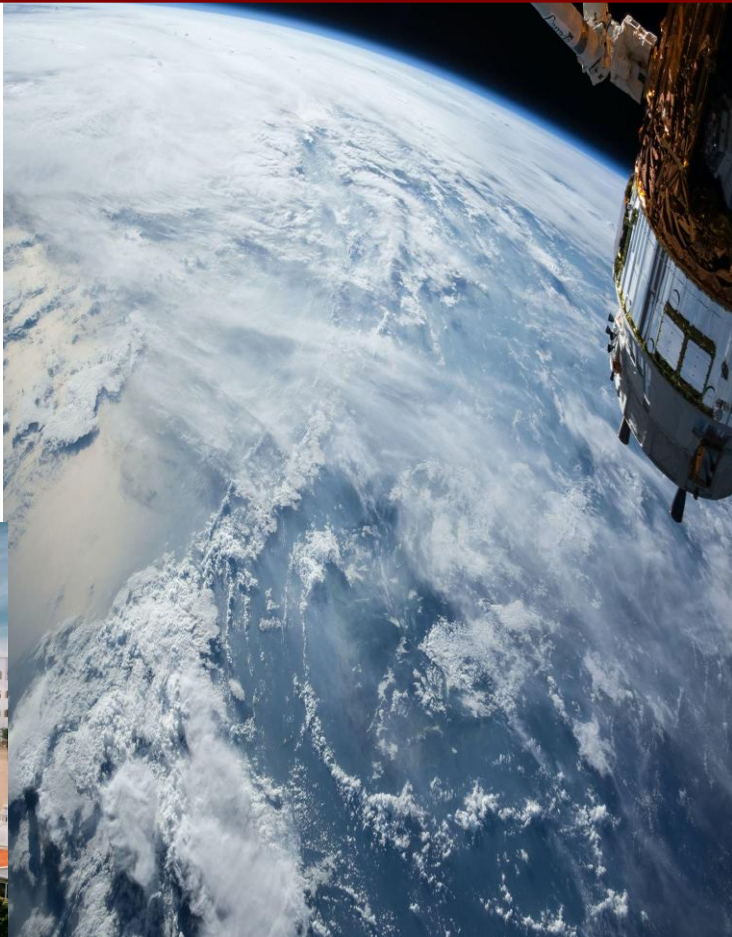
SATHYABAMA

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Chennai, Tamil Nadu, India

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DST-NGP

Government of India

SATHYABAMA

Institute of Science and Technology



**GEO-INNOVATION
CHALLENGE**
20th – 22nd April, 2022



**GEOSPATIAL SCIENCE
AND TECHNOLOGY**



**IN METEOROLOGY AND
OCEAN SCIENCE**

Organized by
Centre for Remote Sensing Geoinformatics
Sathyabama Institute of Science and Technology
Chennai

Supported by
National Geospatial Program
Department of Science & Technology Govt of India,
New Delhi

About DST

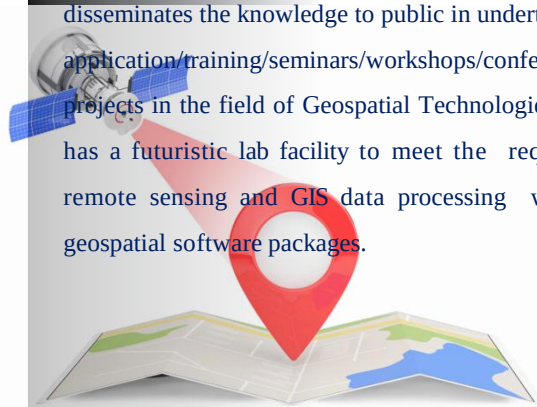
The Department of Science & Technology under its National Geospatial Programme (erstwhile NRDMS) was established in May 1971, with the objective of Promoting Geospatial Science and Technology, Policy, Solution, capacity building, entrepreneurship and international cooperation for sustainable socio-economic development at all levels of Governance.

About Sathyabama

Sathyabama Institute of Science and Technology formerly known as Sathyabama Engineering College was established in 1987 by Col. Dr. Jeppiaar. It is a premier institute imparting knowledge in the areas of engineering, science, technology and education. The institution's progress and contribution to the field of technical education for over two decades resulted in granting Deemed University status on 16th July, 2001. The Institute has been awarded as Category "A" by Ministry of Human Resources Development (MHRD), Government of India and accredited by NAAC with Grade "A" in 2017, certified with DNV-GL ISO 9001 standard and offering exemplary education during last 29 years. The Institute holds great promise to expand the applications of space technology, benefiting the common man and enriching the quality of life in association with Indian Space Research Organization (ISRO). We have written a special page in the history of space research on 22nd June, 2016 with the launch of "SATHYABAMASAT" in association with ISRO. The launch of "SATHYABAMASAT" and accolades received in world platforms is a specimen.

About Centre for Remote Sensing & Geoinformatics

Centre for Remote Sensing and Geoinformatics (CRSG) is the first research centre and innovation centre managed by Sathyabama Institute of Science and Technology to focus on Advance Remote Sensing and GIS applications in interdisciplinary aspect. Centre has been established in 2004 as a joint initiative of Indian Space Research Organisation (ISRO) Government of India, Bangalore and Sathyabama Institute of Science and Technology, Chennai to fulfill the goal of establishing advanced centers in frontier areas of Science and Technology. CRSG plays a key role in interdisciplinary research and development through trainings/workshops and transfer of technology. Centre has successfully completed many nationally funded research projects, while some are still ongoing and few are initiated which are sponsored by various Agencies and research organizations like Department of Science and Technology (DST), Bharatiya Nabikiya Vidyut Nigam Ltd. (DAE-BHAVINI), National Institute of Wind Energy (NIWE), Science and Engineering Research Board (SERB), Indian Space Research Organisation (ISRO), and Ministry of Earth Sciences (MoES). Centre gathers and disseminates the knowledge to public in undertaking various application/training/seminars/workshops/conferences/ projects in the field of Geospatial Technologies. The centre has a futuristic lab facility to meet the requirements of remote sensing and GIS data processing with different geospatial software packages.



Chief Patrons

Dr. MARIAZEENA JOHNSON,
Chancellor

Dr. MARIE JOHNSON,
President

Mr. ARUL SELVAN,
Vice President

**Ms. MARIA BERNADETTE
TAMILARASI JOHNSON,**
Vice President

Patrons

Dr.T.SASIPRABA,
Vice Chancellor

Dr.B.SHEELA RANI,
Director Research

INVESTIGATORS

Dr.K.Nagamani,
Principal Investigator

Dr.S.Packialakshmi,
Co-Principal Investigator

Co-Ordinators

Dr.M.Roja Raman, CRSG

Dr.P.Mohana, CRSG

Dr.Marykutty Abhraham, CRSG

Mr. Mohammad Suhail Meer, CRSG

UTILISATION CERTIFICATE (2 COPIES)
FOR THE FINANCIAL YEAR - (ENDING 31ST MARCH)

1. Title of the Project/ Scheme: Three Days Geo Innovation Challenge on
"Geospatial Science and Technologies – Meteorology and Ocean
Science"
2. Name of the Institution: **Sathyabama Institute of Science and Technology**
3. Principal Investigator: **Dr.K.Nagamani**
4. Department of Science & Technology sanction order No & date
sanctioning the program: **No.NRDMS/11/1848/011/Geo Innovation Challenge/34**
Dated: 24/03/2021
5. Head of account as given in the original sanction order: **Rs.3,00,000/-**
6. Amount brought forward from the previous
Financial year quoting DST letter no and date
in which the authority to carry forward the said
amount was given **NA**
7. Amount received during the financial year **Rs.2,00,000/-**
(Please give DST letter/order no and date)
No.NRDMS/11/1848/011/Geo Innovation Challenge/34
Dated: 24/03/2021
8. Total amount that was available for expenditure
(excluding commitments) during the financial year **NA**
(Sr. No. 6+7)
9. Actual Expenditure (excluding commitments) **Rs. 3,52,497/-**
Incurred during the financial year (upto 31st March)
10. Balance amount available at the end of the financial year: **NA**
11. Unspent balance refunded, if any (please give details of cheque no etc.): **NA**
12. Amount to be carried forward to the next financial year (if applicable): **NA**

UTILISATION CERTIFICATE

2. Certified that out of **Rs 3,52,497/-** of grants-in-aid sanctioned during the year
2015-2016 in favour of Registrar, **Sathyabama Institute of Science and
Technology** under this Ministry/ Department letter/ order
No.NRDMS/11/1848/011/Geo Innovation Challenge/34 dated **24/03/2021** and
Rs 3,52,497/- has been utilized for the purpose of Three Days Geo Innovation
Challenge on "Geospatial Science and Technologies – Meteorology and

✓ ac

Ocean Science" for which it was sanctioned and that the balance of Rs **NIL** remaining unutilised at the end of the year has been surrendered to Government (vide Challan no _____ dated _____) will be adjusted towards the grants-in-aid payable during the next year i.e. _____.

K. Nagaraj
Signature of PI

Date 02/06/22

[Signature]
Dr. S. S. RAO, M.B.A., Ph.D.,
REGISTRAR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

Date 22/06/22
(To be filled in by DST)



[Signature]
Accounts Officer of
the Institute
Date 01-07-22

Certified that I have satisfied that the conditions on which the grants-in-aid was sanctioned have been fulfilled/ are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned:-

Kinds of checks exercised.

- 1.
- 2.
- 3.
- 4.
- 5.

Signature: _____
Designation: _____
Date: _____

FINAL STATEMENT OF EXPENDITURE

1. Sanction Letter/ Order No and date of sanctioning the program: **No.NRDMS/11/1848/011/Geo Innovation Challenge/34**
Dated: 24/03/2021
2. Total Training Cost: **Rs. 3,00,000/-**
(Sanctioned/ Revised Project Cost, if applicable)
3. Date of Commencement of program: **20-04-22**
4. Date of Completion of program: **22-04-22**
5. Grant received: **Rs.2,00,000/-**

Statement of Expenditure

April 20th to 22nd, 2022

Sr No	Sanctioned Heads	Funds Allocated (indicate sanctioned or revised)	Expenditure Incurred	Balance, if any	Remarks
(I)	(II)	(III)			
1.	Boarding /lodging of participants and experts	Rs. 1,00,000/-	Rs. 1,17,840/-	-	
2.	Travel Cost	Rs. 75,000/-	Rs. 86,907/-	-	
3.	Honorarium to experts/Contingen cies/Awards	Rs. 50,000/-	Rs. 72,000/-	-	Sanctioned amount of Rs.3, 00,000/- against order no. No.NRDMS/11/1848/011/ Geo Innovation Challenge/34 Dated: 24/03/2021
4.	Training Kit	Rs. 50,000/-	Rs. 50,750/-	-	
5.	Overhead	Rs. 25,000/-	Rs. 25,000/-	-	
	Total	Rs. 3,00,000/-	Rs. 3,52,497/-	-	

Amount to be refunded/ reimbursed (whichever is appropriate): Rs Nil

Name and Signature of Principal Investigator: K. NAGAMANI
Date: 22/06/22

Signature of Competent financial authority: K.7
(with seal)



Date: 01/07/22

* DOS : Date of Start of Project

Annexure 1: Budget**April 20th to 22nd, 2022****Boarding /lodging of participants and experts**

Sl No	Item Name	Nos.	Total days	Amount (perday) in Rs.	Total (in Rs.)
1.	Hotel Room 2 (ladies) + 7 (Gents)	9	3	16200 X 3 = 48,600/- (for 9 rooms) @ Rs. 1800/Day/room	48,600/-
2.	Food for experts (Jury Members) Food@ Rs.7000/day/3 person Breakfast= Rs. 1000/- Lunch= Rs. 6000/- Total = 7,000/-	-	1	7000X3 = 21,000/-	21,000/-
3.	Food for 21 students Breakfast = Rs. 150/- Tea /Snacks (10.45 am) = Rs. 60/- Lunch = Rs. 250/- Tea/Snacks (2.45pm) = Rs. 60/- Dinner = Rs. 150/- Total = Rs. 670/- (per person) 670x24=16,080/-	24	3	16,080x3 = (for 24 persons)	48,240/-
	Total				1,17,840/-

Annexure 1: Budget
April 20th to 22nd, 2022

Travel Cost

SI No	Name	Amount in Rs.
	Jury Members	
	Dr.P.Nila Rekha, Principal Scientist, Central Brackishwater Aquaculture, Chennai (Category:Laboratory)	6,000/-
	Dr.RM.Narayanan, Dean-Research /Professor, Dept. of Civil Engg., Dr. M.G.R Educational and Research Institute, Chennai (Academia)	9,000/-
1.	Dr.Arun Kumar, Consultant (NGO) Geo-Marine Consultants, Chennai (Category: Social)	9,000/-
	Dr. Shyju Krishnan Kutty, Manager, ESRI, Bangalore (Category: Industry)	-
	Shri. V Chandramouli, Director, Geological Survey of India State Unit Tamilnadu & Puducherry Chennai	1,200/-
2	Participants Dr.Pramit – Pune- Rs.15,161 Dr.Pulakesh, - New Delhi – Rs.17,046 Dr.Muthusamy – Tuticorin Rs. 3000 Mr. C.S.Gowshik – Tuticorin Rs. 3000 4 students from Bharathidasan- Trichy –Rs.3500 16 participants – Within Chennai and Outskirts Rs.20,000	61,707/-
	Total	86,907/-

Annexure 1: Budget**April 20th to 22nd, 2022****Honorarium to experts/Contingencies/Awards**

Sl No	Name	Amount in Rs.
1.	Jury Members	
	Dr.P.Nila Rekha, Principal Scientist, Central Brackishwater Aquaculture, Chennai (Category:Laboratory)	6,000/-
	Dr.RM.Narayanan, Dean-Research /Professor, Dept. of Civil Engg., Dr. M.G.R Educational and Research Institute, Chennai (Academia)	6,000/-
	Dr.Arun Kumar, Consultant (NGO) Geo-Marine Consultants, Chennai (Category: Social)	6,000/-
	Dr. Shyju Krishnan Kutty, Manager, ESRI, Bangalore (Category: Industry)	6,000/-
	Shri. V Chandramouli, Director, Geological Survey of India State Unit Tamilnadu & Puducherry Chennai	3,000/-
2	Contingencies (Banner- Nos 2 (Rs.800), Memento (Per Memento Rs.600 Nos.4 Rs.2400), Water Bottle, Paper Bundle (Per bundle Rs.270 x3 = Rs.810), Audio & Video Coverage (Rs.10,450), Certificates- (Rs. 640), Courier Charges (Rs.900), Report (Rs.4000). Total:800+2400+810+10,450+640+900+4000 =20,000/-	20,000/-
3	Awards 1 st Prize: Rs.12,000/- 2 nd Prize: Rs.8,000, 3 rd Prize: Rs.5,000/-	25,000/-
Total		72,000/-

Annexure 1: Budget
April 20th to 22nd, 2022

Training Kit

SI No	Item Name	Nos.	Rate per Item (Rs.)	Amount (perday) in Rs.
1	File folder	25	1800/-	45,000/-
2	Printing Charges (Guidelines, Brochure, Program Schedule)	25	100/-	2500/-
3	Scribbling pad	25	80/-	2,000/-
4	Pen	25	20/-	500/-
5	Id card	25	30/-	750/-
Total				50,750/-