The Electronic Project Proposal Management System, For SERB

## FILE NO. CRG/2022/008219

# SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(A statutory body of the Department of Science & Technology, Government of India)

Science and Engineering Research Board 3rd & 4th Floor, Block II Technology Bhavan, New Mehrauli Road New Delhi - 110016

Dated: 14 March, 2023

#### ORDER

Subject: Financial Sanction of the research project titled **AUTOMATIC EARLY DETECTION OF LUNG CANCER FROM LDCT IMAGES BASED ON DEEP NEURAL NETWORKS** under the guidance of Dr. Annappa B, Computer Science and Engineering, National Institute of Technology Karnataka , Nh 66, srinivasnagar, surathkal, Mangalore, Karnataka-575025 and by Dr. Jeny Rajan, Assistant Professor, Computer Science And Engineering, National Institute Of Technology Karnataka and by Dr. Mahesh Anand Padukudru, Professor, Pulmonology, Jagadguru Sri Shivarathreeswara University - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 2955964/- (Rs. Twenty Nine Lakh Fifty Five Thousand Nine Hundred and Sixty Four Only) with break-up of Rs. 60000/- under Capital (Non-recurring) head and Rs.2895964/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 2955964/- has been approved are given below:

The following budget may be considered for National Institute Of Technology Karnataka, NH 66, Srinivasnagar, Surathkal

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment	60000
	-> Laptop	
A'	Total (Non-Recurring)	60000
В	Recurring Items	
1	Recurring - I : (Research Personnel)	1350240
	Recurring - II : ( Consumables, Travel, Contingencies, Other Cost)	1217000
	Recurring - III : Scientific Social Responsibility	60000
2	Recurring - IV : (Overhead Charges)	268724
Β'	Total (Recurring)	2895964
С	Total cost of the project (A' + B')	2955964

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

3. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

4. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

5. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activites enlisted under SSR norms and under no circumstances it can be reappropriated.

6. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

7. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

8.The institute will furnish to the SERB, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year. 9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

10. The research personnel sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

11. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

12. The project File no. CRG/2022/008219 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

13. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by SERB.

14. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.

(Dr. Anima Johari) Scientist D anima.johari@serb.gov.in

To, Under Secretary SERB, New Delhi Copy forwarded for information and necessary action to: -

The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
Sanction Folder, SERB , New Delhi.
File Copy
Dr. Annappa B Computer Science and Engineering National Institute of Technology Karnataka , Nh 66, srinivasnagar, surathkal, Mangalore, Karnataka-575025 Email: annappa@nitk.edu.in Mobile: 919845715006
Dr. Jeny Rajan Computer Science And Engineering National Institute Of Technology Karnataka
Dr. Mahesh Anand Padukudru Pulmonology Jagadguru Sri Shivarathreeswara University (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <u>www.serb.gov.in</u> .)
Registrar, National Institute Of Technology Karnataka, NH 66, Srinivasnagar, Surathkal (Receipt of Grant may be intimated by name to the undersigned)

(Dr. Anima Johari) Scientist D anima.johari@serb.gov.in

https://www.serbonline.in/SERB/ViewProceedingCommentsTransaction



The Electronic Project Proposal Management System, For SERB

#### FILE NO. CRG/2022/008219-G SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(A statutory body of the Department of Science & Technology, Government of India) Science and Engineering Research Board 3rd & 4th Floor, Block II

3rd & 4th Floor, Block II Technology Bhavan, New Mehrauli Road New Delhi - 110016

Dated: 14 March, 2023

#### ORDER

Subject: Research project entitled **AUTOMATIC EARLY DETECTION OF LUNG CANCER FROM LDCT IMAGES BASED ON DEEP NEURAL NETWORKS** under the guidance of Dr. Annappa B, Computer Science and Engineering, National Institute of Technology Karnataka , Nh 66, srinivasnagar, surathkal, Mangalore, Karnataka-575025 and by Dr. Jeny Rajan, Assistant Professor, Computer Science And Engineering, National Institute Of Technology Karnataka and by Dr. Mahesh Anand Padukudru, Professor, Pulmonology, Jagadguru Sri Shivarathreeswara University.

1. In continuation of SERB's sanction order No. CRG/2022/008219 dated 14 March, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs**.100000/- under 'Grants-in-aid General' to National Institute Of Technology Karnataka , Nh 66, Srinivasnagar, Surathkal, Mangalore, Karnataka-575025 being the grant for the financial year 2022-2023 for implementation of the above said project.

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in) and as mentioned in the sanction order of even number dated 14 March, 2023.

3. As this is the first grant being released under 'Grants-in-aid General' for the project, no previous U/C is required.

4. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Electrical Electronics & Computer Engineering**) (General).

5. The Sanction has been issued with the approval of the competent authority on **17 February, 2023** and vide Diary No. **SERB/F/11442/2022-2023** dated **14 March, 2023**.

6. The release amount of **Rs. 100000**/ (Rupees One Lakh only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	NITK
Account Name	DIRECTOR NITK A/C
Account Number	10175367556
Bank Name & Branch	State Bank of India State Bank of India P.O. Surathkal NITK Campus MANGALORE - 575 025
IFSC/RTGS Code	SBIN0002273
Email id of A/C Holder	registrar@nitk.ac.in
Email id of PI	annappa@nitk.edu.in

Dr. Anima Johari) Scientist D anima.johari@serb.gov.in

To, Under Secretary SERB, New Delhi Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002	
2.	Sanction Folder, SERB , New Delhi.	
3.	File Copy	

4.	Dr. Annappa B
	Computer Science and Engineering
	National Institute of Technology Karnataka , Nh 66, srinivasnagar, surathkal, Mangalore, Karnataka-575025
	Email: annappa@nitk.edu.in
	Mobile: 919845715006
	Dr. Jeny Rajan
	Computer Science And Engineering
	National Institute Of Technology Karnataka
	Dr. Mahesh Anand Padukudru
	Pulmonology
	Jagadguru Sri Shivarathreeswara University
	(Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please
	visit <u>www.serb.gov.in</u> .)
5.	Registrar,
1	National Institute Of Technology Karnataka, NH 66, Srinivasnagar, Surathkal
	(Receipt of Grant may be intimated by name to the undersigned)
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(**Dr. Anima Johari**) Scientist D anima.johari@serb.gov.in



# FILE NO. CRG/2022/008219-C

### SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

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Science and Engineering Research Board 3rd & 4th Floor, Block II Technology Bhavan, New Mehrauli Road New Delhi - 110016

Dated: 14 March, 2023

#### ORDER

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1. In continuation of SERB's sanction order No. CRG/2022/008219 dated 14 March, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs**.60000/- under 'Grants-in-aid Capital' to National Institute Of Technology Karnataka , Nh 66, Srinivasnagar, Surathkal, Mangalore, Karnataka-575025 being the grant for the financial year 2022-2023 for implementation of the above said project.

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in) and as mentioned in the sanction order of even number dated 14 March, 2023.

3. As this is the first grant being released under 'Grants-in-aid Capital' for the project, no previous U/C is required.

4. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Electrical Electronics & Computer Engineering)** (Capital).

5. The Sanction has been issued with the approval of the competent authority on **17 February, 2023** and vide Diary No. **SERB/F/11441/2022-2023** dated **14 March**, **2023**.

6. The release amount of **Rs. 60000/-** (Rupees Sixty Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	NITK
Account Name	DIRECTOR NITK A/C
Account Number	10175367556
Bank Name & Branch	State Bank of India State Bank of India P.O. Surathkal NITK Campus MANGALORE - 575 025
IFSC/RTGS Code	SBIN0002273
Email id of A/C Holder	registrar@nitk.ac.in
Email id of PI	annappa@nitk.edu.in

(Dr. Anima Johari) Scientist D anima.johari@serb.gov.in

To, Under Secretary SERB, New Delhi Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy

4.	Dr. Annappa B
	Computer Science and Engineering
	National Institute of Technology Karnataka , Nh 66, srinivasnagar, surathkal, Mangalore, Karnataka-575025
	Email: annappa@nitk.edu.in
	Mobile: 919845715006
	Dr. Jeny Rajan
	Computer Science And Engineering
	National Institute Of Technology Karnataka
	Dr. Mahesh Anand Padukudru
	Pulmonology
	Jagadguru Sri Shivarathreeswara University
	(Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <u>www.serb.gov.in</u> .)
5.	Registrar,
	National Institute Of Technology Karnataka, NH 66, Srinivasnagar, Surathkal
	(Receipt of Grant may be intimated by name to the undersigned)

(Dr. Anima Johari) Scientist D anima.johari@serb.gov.in

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