



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 22 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare, and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I032/Physics/D003/2024		
Title of the project	:	Development of ZnO Nanoarrays-Based Photodetectors for Enhanced Optoelectronic Performance		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	110625
		Consumables (Rs.)	:	15669
		Hiring /Testing Charges (Rs.)	:	10000
		Total (Rs.)	:	136294
Duration of the Project	:	1 Year		
Department	:	Physics		
Principal Investigator	:	Dr. Santhosh Kumar A		
Co-Principal Investigators	:	Dr. Y Srinivasa Reddy, Dr. M Chadra Sekhar, Dr. M Pratima and Dr. M Subhadra		



Faculty ID of PI	:	11010
Contact email ID	:	asantoshkumar_physics@cbit.ac.in
Contact Number	:	7767940529

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.
7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.

8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



Project Sanction Order

No. CBIT/R&E/ 23 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I031/Physics/D002/2024		
Title of the project	:	Examining the Pressure-Induced Quantum Phase Transition and Quantum Criticality in Doped Chiral Magnet MnSi		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	108921
		Consumables (Rs)	:	32900
		Hiring /Testing Charges (Rs)	:	10000
		Total (Rs.)	:	151821
Duration of the Project	:	1 Year		
Department	:	Physics		
Principal Investigator	:	Dr. S Shanmukharao Samatham		
Co-Principal Investigators	:	Dr. S Shravan Kumar Reddy, Dr. G Nataraju and Dr. Muralikrishna Patwari		



Faculty ID of PI	:	11013
Contact email ID	:	shanmukharao_physics@cbit.ac.in
Contact Number	:	9630680607

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

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5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
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III. Outcome of the Research Project :

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Principal



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**
Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 24 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I030/Mech/D010/2024	
Title of the project	:	Ti-based Bulk Metallic Glass Composite for Biomedical Applications	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 62642
		Consumables (Rs)	: 5853
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 68495
Duration of the Project	:	1 Year	
Department	:	Mechanical	
Principal Investigator	:	Dr. Ashutosh Sahu	



Co-Principal Investigators	:	Dr. Ch. Venkata Sushma and Dr. Kiran Kumar Amireddy
Faculty ID of PI	:	10494
Contact email ID	:	ashutosh_mech@cbit.ac.in
Contact Number	:	8170837457

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

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III. Outcome of the Research Project :

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Principal



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Project Sanction Order

No. CBIT/R&E/ 25 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I029/Mech/D009/2024	
Title of the project	:	Heat Flow Analysis in Corrugated Plate Heat Exchanger using Nanofluids	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 117057
		Consumables (Rs)	: 16697
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 133754
Duration of the Project	:	1 Year	
Department	:	Mechanical	
Principal Investigator	:	Smt. K N V Sreedevi	



Co-Principal Investigators	:	Dr. Venkata Sushma Chinta
Faculty ID of PI	:	10472
Contact email ID	:	knvsreedevi_mech@cbit.ac.in
Contact Number	:	9133683614

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

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Principal



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Project Sanction Order

No. CBIT/R&E/ 26 /2024

Date: 26 March 2024

I. Preamble :

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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I028/Mech/D008/2024		
Title of the project	:	Design and Fabrication of Hybrid Solar Biomass Briquetting Machine		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	159300
		Consumables (Rs)	:	30000
		Hiring /Testing Charges (Rs)	:	0
		Total (Rs.)	:	189300
Duration of the Project	:	1 Year		
Department	:	Mechanical		
Principal Investigator	:	Dr. Nagini Yarramsetty		



Co-Principal Investigators	:	Dr. Venkata Sushma Chinta, Dr. S Narasimha Kumar and Dr. Kiran Kumar Amireddy
Faculty ID of PI	:	10424
Contact email ID	:	ynagini_mech@cbit.ac.in
Contact Number	:	9885053049

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

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Principal



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Project Sanction Order

No. CBIT/R&E/ 27 /2024

Date: 26 March 2024

I. Preamble :

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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I027/Mech/D007/2024	
Title of the project	:	Accelerating Finite Element using Vedic Sutras: A Solution for Improved Mesh Convergence in Commercially Available Software	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 69030
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 69030
Duration of the Project	:	1 Year	
Department	:	Mechanical	
Principal Investigator	:	Dr. Pullela Rama Lakshmi and Dr. S Santhi (MGIT)	



Co-Principal Investigators	:	Dr. G Suresh Babu and Dr. P Ravinder Reddy
Faculty ID of PI	:	10434
Contact email ID	:	pramalakshmi_mech@cbit.ac.in
Contact Number	:	9642607766

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
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III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**
Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 28 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I026/Mech/D006/2024	
Title of the project	:	Development and Characterization of a Polymer based Composite Filament for 3D Printing Applications	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 34692
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 29500
		Total (Rs.)	: 64192
Duration of the Project	:	1 Year	
Department	:	Mechanical	
Principal Investigator	:	Smt. Jyothirmayi Narne	



Co-Principal Investigators	:	Dr. B V S Rao
Faculty ID of PI	:	10430
Contact email ID	:	njyothirmayi_mech@cbit.ac.in
Contact Number	:	9966006984

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.

7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.
8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 29 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I025/Biotech/D002/2024	
Title of the project	:	Algae based Bioplastics for Sustainable Packaging	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 81000
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 18500
		Total (Rs.)	: 99500
Duration of the Project	:	1 Year	
Department	:	Biotechnology	
Principal Investigator	:	Dr. Rajasri Yadavalli	
Co-Principal Investigators	:	Dr. K Dharmalingam	



Faculty ID of PI	:	10717
Contact email ID	:	rajasriy_biotech@cbit.ac.in
Contact Number	:	9908994251

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	--
2.	Number of Patents / Copyrights	:	01
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.
7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.

8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



Project Sanction Order

No. CBIT/R&E/ 30 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/1024/Civil/D002/2024		
Title of the project	:	Experimental Investigation of Scouring Around a Bridge Pier		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	84803
		Consumables (Rs)	:	50000
		Hiring /Testing Charges (Rs)	:	0
		Total (Rs.)	:	134803
Duration of the Project	:	1 Year		
Department	:	Civil		
Principal Investigator	:	Dr. Jnana Ranjan Khuntia		
Co-Principal Investigators	:	Dr. Kamalini Devi and		



		Sri. Ramanarayan Sankriti
Faculty ID of PI	:	10176
Contact email ID	:	jnanaranjan_civil@cbit.ac.in
Contact Number	:	7978868061

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
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3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.

7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.
8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 31 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I023/Chemical/D001/2024	
Title of the project	:	Synthesis of Carbon Dots from Watermelon Peel for the Sensing of Cr (VI) in Water Samples and Photo-Detection Application	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 48670
		Consumables (Rs)	: 114379
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 163049
Duration of the Project	:	1 Year	
Department	:	Chemical	
Principal Investigator	:	Dr. B V S Praveen	



Co-Principal Investigators	:	Dr. M Mallaiah
Faculty ID of PI	:	10726
Contact email ID	:	bvspraveen_chem@cbit.ac.in
Contact Number	:	9791074572

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.

7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.
8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**
Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 32 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I022/Mech./D005/2024	
Title of the project	:	Development and Characterization of Light Weight Self-Lubricated Metal Matrix Composites	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 64165
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 100000
		Total (Rs.)	: 164165
Duration of the Project	:	1 Year	
Department	:	Mechanical	
Principal Investigator	:	Dr. Md Aleem Pasha	



Co-Principal Investigators	:	Mrs. V Sandhya and Mr. A Chandrakanth
Faculty ID of PI	:	10471
Contact email ID	:	aleempasha_mech@cbit.ac.in
Contact Number	:	8688955442

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
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4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.
7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.

8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 10 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I021/Mech./D004/2024		
Title of the project	:	Fabrication and Characterization of Polymer Ceramic Composite Scaffolds for Bone Regeneration using 3D Printing		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	194995
		Consumables (Rs)	:	0
		Hiring /Testing Charges (Rs)	:	0
		Total (Rs.)	:	194995
Duration of the Project	:	1 Year		
Department	:	Mechanical		
Principal Investigator	:	Sri. T N Aditya		

Chaitanya Bharathi Institute of Technology

Chaitanya Bharathi (PO), Kokapet (V), Gandipet (M),
Ranga Reddy District, Hyderabad - 500 075, Telangana, India

84669 97201

principal@cbit.ac.in www.cbit.ac.in



Co-Principal Investigators	:	Dr. P Ravinder Reddy
Faculty ID of PI	:	10468
Contact email ID	:	tnaditya_mech@cbit.ac.in
Contact Number	:	7569798811

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
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5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.

7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.
8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**
Autonomous Institute | Affiliated to Osmania University
Project Sanction Order

No. CBIT/R&E/ 09 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I020/EEE/D001/2024	
Title of the project	:	Analysis on Recycle and Reuse of Aged Solar PV and Power Enhancement using Thermal Image Processing	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 200600
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 200600
Duration of the Project	:	1 Year	
Department	:	EEE	
Principal Investigator	:	Dr. T Sudhakar Babu	



Co-Principal Investigators	:	Dr. T Murali Krishna
Faculty ID of PI	:	10273
Contact email ID	:	sudhakarbabu_eee@cbit.ac.in
Contact Number	:	7382163424

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.

7. The procurement process must be completed on or before 30th April 2024 and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.
8. Any unspent amount must be refunded to the institute, if any excess spent with the prior permission, the institute will reimburse the same to principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 08 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I019/ECE/D004/2024		
Title of the project	:	Development of Smart Agro System for Indian Farmers using IoT and AI		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	191726
		Consumables (Rs)	:	0
		Hiring /Testing Charges (Rs)	:	0
		Total (Rs.)	:	191726
Duration of the Project	:	1 Year		
Department	:	ECE		
Principal Investigator	:	Dr. S Siva Priyanka		



Co-Principal Investigators	:	Dr. G Mallikharjuna Rao
Faculty ID of PI	:	10388
Contact email ID	:	sivapriyankas_ece@cbit.ac.in
Contact Number	:	7702229119

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.

7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.
8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**
Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 07 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I018/ECE/D003/2024	
Title of the project	:	Design and Implementation of IoT Enabled Smart Building Solutions for Enhanced Energy Efficiency	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 248670
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 248670
Duration of the Project	:	1 Year	
Department	:	ECE	
Principal Investigator	:	Dr. G Mallikharjuna Rao	



Co-Principal Investigators	:	Dr. T Aravinda Babu
Faculty ID of PI	:	10325
Contact email ID	:	mallikarjunarao_ece@cbit.ac.in
Contact Number	:	9866047394

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.

7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.
8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



Project Sanction Order

No. CBIT/R&E/ 06 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I017/ECE/D002/2024	
Title of the project	:	Machine Learning-Based Path Loss Prediction in Indoor and Outdoor Environments of Hyderabad	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 238942
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 238942
Duration of the Project	:	1 Year	
Department	:	ECE	



Principal Investigator	:	Shri. T Sridher
Co-Principal Investigators	:	Sri. K Lakshmana and Mrs. D Sony
Faculty ID of PI	:	10328
Contact email ID	:	tsridhar_ece@cbit.ac.in
Contact Number	:	8801206497

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.

7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.
8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 05 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I016/Chemistry/D004/2024		
Title of the project	:	Metal-doped Graphene-Based Nanocomposites as Photocatalysts for Wastewater Treatment		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	184965
		Consumables (Rs)	:	0
		Hiring /Testing Charges (Rs)	:	0
		Total (Rs.)	:	184965
Duration of the Project	:	1 Year		
Department	:	Chemistry		
Principal Investigator	:	Dr. N Mahender Reddy		
Co-Principal Investigators	:	Dr. G V Ramesh, Dr. D Saritha and Dr. T V Surendra		



Faculty ID of PI	:	11110
Contact email ID	:	nmahenderreddy_chm@cbit.ac.in
Contact Number	:	9866640032

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
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3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
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5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.
7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.

8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



Project Sanction Order

No. CBIT/R&E/ 04 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I015/Chemistry/D003/2024		
Title of the project	:	Heterogeneous Photocatalyst of Rare Earth based Material with Conjugated Polymer for the Water Remediation Process		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	198987
		Consumables (Rs)	:	0
		Hiring /Testing Charges (Rs)	:	0
		Total (Rs.)	:	198987
Duration of the Project	:	1 Year		
Department	:	Chemistry		
Principal Investigator	:	Dr. T V Surendra		



Co-Principal Investigators	:	Dr. G V Ramesh, Dr. D Saritha and Dr. N Mahender Reddy
Faculty ID of PI	:	11115
Contact email ID	:	tvsurendra_chm@cbit.ac.in
Contact Number	:	8754303559

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
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3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.
7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.

8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 03 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I014/Chemistry/D002/2024	
Title of the project	:	Fabrication of Na ₃ MM1X06 Electrodes for Na-Ion Battery Applications	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 176711
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 176711
Duration of the Project	:	1 Year	
Department	:	Chemistry	
Principal Investigator	:	Dr. D Saritha	
Co-Principal Investigators	:	Dr. G V Ramesh, Dr. N Mahender Reddy and Dr. T V Surendra	



Faculty ID of PI	:	11112
Contact email ID	:	dsaritha_chm@cbit.ac.in
Contact Number	:	9591908844

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.
7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.

8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project:

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 02 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I013/Chemistry/D001/2024	
Title of the project	:	Engineering Nano-Catalysts: Copper-Based Alloys and Core-Shell Structures in CO ₂ Electroreduction	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 176711
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 176711
Duration of the Project	:	1 Year	
Department	:	Chemistry	
Principal Investigator	:	Dr. Gubbala V. Ramesh	
Co-Principal Investigators	:	Dr. D Saritha, Dr. T V Surendra and Dr. N Mahender Reddy	



Faculty ID of PI	:	11113
Contact email ID	:	venkataramesh_chm@cbit.ac.in
Contact Number	:	8076909068

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
2. Unless an extension is explicitly sought and approved, the project is assumed to be completed on the specified termination date, and no further expenses/extension shall be permitted.
3. The PI & Co-PI are responsible for ensuring that expenses are within the budget. Upon project completion, a final statement of expenses and variance report duly certified by the PI & Co-PI is prepared by the accounts section within one month. Any unaccounted expenses shall be adjusted personally.
4. Fresh research projects will be sanctioned only after the successful completion of the previous project. Research outcomes are to be documented (experimental setup, working paper, case study, or submission of articles to Scopus/Web of Science indexed journals for review/publication, or patent application filed), and expenses are to be audited and settled.
5. Stock Register should be maintained in the departmental office for the purchase of equipment, consumables, software(s), chemicals, etc.
6. The Utilization Certificate must be submitted to Director and Head R&E Hub by the PI & Co-PI(s) with the signatures of the Accounts Officer, respective HoD and Principal.
7. The procurement process must be completed on or before 30th April 2024, and all the bills (in the name of CBIT) must be submitted to the account section on or before 30th June 2024.
8. Any unspent amount must be refunded to the institute; if any excess is spent with prior permission, the institute will reimburse the same to the principal investigator.

III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
2. The research outcome can be used to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND schemes/DRDO, and other labs, or a consultancy-sponsored project from any industry.

IV. Undertaking:

In the event that there is any misuse of funds or the project fails to achieve its objectives or is not completed within the agreed-upon timeframe, CBIT shall be entitled to recover the grant amount from the PI & Co-PI and PI and Co-PI undertake to repay the same to CBIT.


Principal



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Autonomous Institute | Affiliated to Osmania University

Project Sanction Order

No. CBIT/R&E/ 01 /2024

Date: 26 March 2024

I. Preamble :

Research and technology development are integral to the success of an institute. They aid students and faculty in understanding real-life learning processes and outcomes across various disciplines such as Basic Science, Applied Science, Life Science, Social Science, and Business Studies. Faculty members can integrate these learning outcomes into their classroom teachings and disseminate their work through publications in reputed international/national journals, patents, and other creative expressions. The primary objective of seed money grants is to facilitate and enable grant of additional financial support from industries or government funding agencies for research and consultancy assignments. To foster a conducive research environment for both faculty members and students within their respective domains, the institute proposes the allocation of seed grants. These grants are intended to support both major and minor research endeavors in cutting-edge fields, with the ultimate goal of contributing to societal welfare and enhancing the institution's reputation.

The primary purpose of this fund is to facilitate the development of prototypes and conduct preliminary tests, which will subsequently support the submission of major project applications to organizations such as the Department of Science and Technology (DST), University Grants Commission (UGC), VGST, DSIR, ICSSR, BARC, ISRO's RESPOND scheme, and other sponsoring bodies.

II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I012/Mech./D003/2024	
Title of the project	:	Natural Fibre Reinforced Composite Balustrades for Sustainable Building	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 289540
		Consumables (Rs)	: 9000
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 298540
Duration of the Project	:	1 Year	
Department	:	Mechanical	
Principal Investigator	:	Dr. Kiran Kumar Amireddy	
Co-Principal Investigators	:	Dr. Venkata Sushma Chinta	



Faculty ID of PI	:	10493
Contact email ID	:	akirankumar_mech@cbit.ac.in
Contact Number	:	8754500229

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Patents / Copyrights	:	--
3.	Number of Project proposals to be submitted to external funding agencies	:	01
4.	If any	:	--

The project seed grant is approved with the following terms and conditions:

1. The Principal Investigator (PI) and Co- Principal Investigator (Co-PI) must present their Progress Report to the R&E committee every quarter after approval, both are equally responsible. Unsatisfactory progress/presentation may lead to premature termination of the project. Upon project completion, the faculty member must submit a detailed completion report, including research articles published in Scopus/Web of Science indexed journals (at least one) with a good impact factor, Utilization Certificate, and present the findings to the R&E within one month after completion date. The research outcome can be utilized to develop project proposals for further research to be submitted to external funding agencies such as DST, UGC, VGST, DSIR, ICSSR, BARC, ISRO's RESPOND Basket schemes, etc.
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III. Outcome of the Research Project :

1. The project outcome should lead to a minimum of one publication in standard journals such as Scopus/Web of Science (Q1/Q2/Q3) or a published patent. These Outcomes will be verified by the Director & Head, R&E hub.
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IV. Undertaking:

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Principal