



Project Sanction Order

No.CBIT/R&E/34/2024

Date: 26 Mar 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/I057/ECE/D007/2024	
Title of the project	:	Design of Automated Ground Station for Tracking LEO Orbit based Satellites Operating at VHF / UHF Frequencies	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 0
		Consumables(Rs)	: 0
		Hiring /Testing Charges (Rs)	: 18900
		Total (Rs.)	: 18900
Duration of the Project	:	ONE YEAR	
Department	:	ECE	
Principal Investigator	:	Dr. K Vasanth	



Co-Principal Investigators	:	Dr. C V Narasimhulu
Faculty ID of PI	:	10392
Contact email ID	:	Vasanthk_ece@cbit.ac.in
Contact Number	:	9790760740

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
4.	Number of Project proposals to be submitted to external funding agencies	:	--
5.	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



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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I056/Maths/D005/2024	
Title of the project	:	The Study of Bio-Thermal Convection in a Porous Medium Under Gravity Modulation	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 69030
		Consumables(Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 69030
Duration of the Project	:	ONE YEAR	
Department	:	MATHEMATICS	
Principal Investigator	:	Dr. Palle Kiran	



Co-Principal Investigators	:	Mr. M Amarnath
Faculty ID of PI	:	10929
Contact email ID	:	Pallekiran_maths@cbit.ac.in
Contact Number	:	9573273272

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I055/Maths/D004/2024	
Title of the project	:	Advanced Dual-Key Communication Model with Dynamic Encryption Strategies	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 64000
		Consumables(Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 64000
Duration of the Project	:	ONE YEAR	
Department	:	MATHEMATICS	
Principal Investigator	:	Dr. V Sree Ramani	



Co-Principal Investigators	:	Mr. K. Sai Kalyan and Mrs. P Digna
Faculty ID of PI	:	10935
Contact email ID	:	sreeramani_maths@cbit.ac.in
Contact Number	:	9063345670

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I054/Maths/D003/2024	
Title of the project	:	Heat and Mass Transfer Flow of Non-Newtonian Fluids / Nano Fluid: A Numerical Study	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 69030
		Consumables(Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 69030
Duration of the Project	:	ONE YEAR	
Department	:	MATHEMATICS	
Principal Investigator	:	Dr. K Sharada	



Co-Principal Investigators	:	Dr. M Subhadra
Faculty ID of PI	:	10926
Contact email ID	:	ksarada_maths@cbit.ac.in
Contact Number	:	9963458781

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I053/Maths/D002/2024	
Title of the project	:	Efficient Charging Station Deployment: Unsupervised Machine Learning Approaches for Electric Vehicle Networks	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 69030
		Consumables(Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 69030
Duration of the Project	:	ONE YEAR	
Department	:	MATHEMATICS	
Principal Investigator	:	Dr. Lakshmi Sireesha Ch.	

Co-Principal Investigators	:	Dr. Madhulika Das
Faculty ID of PI	:	10936
Contact email ID	:	lakshmisireesha_maths@cbit.ac.in
Contact Number	:	9100170192

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
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II. Project Approval, Terms and Conditions:

Project ID	:	CBIT/PROJ-IH/I052/Mech/D013/2024	
Title of the project	:	Development of a Machine-Learning Based Integrated Condition Monitoring Scheme for Multi-Component Fault Diagnostics of a Wind Turbine Gearbox	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 93102
		Consumables(Rs)	: 9000
		Hiring /Testing Charges (Rs)	: 38000
		Total (Rs.)	: 140102
Duration of the Project	:	ONE YEAR	
Department	:	MECHANICAL	
Principal Investigator	:	Dr. Inturi Vamsi	



Co-Principal Investigators	:	Prof. P Ravinder Reddy
Faculty ID of PI	:	10487
Contact email ID	:	Inturivamsi_mech@cbit.ac.in
Contact Number	:	8977767713

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
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CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Project Sanction Order

No.CBIT/R&E/40 /2024

Date: 26 Mar 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/I051/Mech/D012/2024	
Title of the project	:	Design and Fabrication of Praheti Racing Car Chassis	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 0
		Consumables(Rs)	: 100000
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 100000
Duration of the Project	:	One year	
Department	:	Mechanical.	
Principal Investigator	:	Dr. G Laxmaiah	

Chaitanya Bharathi Institute of Technology (A)

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

040-24193276, 79, 80

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



Co-Principal Investigators	:	Dr. S Solomon Raj and Dr. Ch Indira Priyadarshini
Faculty ID of PI	:	10416
Contact email ID	:	glaxmaiah_mech@cbit.ac.in
Contact Number	:	9849959218

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
4.	Number of Project proposals to be submitted to external funding agencies	:	--
5.	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

An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

45

years

Undertaking given by Project Principal Investigator and Co-Principal Investigator(s) to Principal and Director and Head R&E

We, **Dr. G Laxmaiah and Dr. S Solomon Raj and Dr. Ch Indira Priyadarshini** hereby solemnly undertake the responsibility as the Principal Investigator of the project titled **Design and Fabrication of Praheti Racing Car Chassis** funded by Chaitanya Bharathi Institute of Technology with project ID CBIT/PROJ-IH/I051/Mech/D012/2024 to ensure its timely and successful completion in accordance with the terms and conditions laid out by the institute under seed grants.

We understand that the funds released for this project are intended for specific research purposes outlined in the approved proposal. Therefore, I commit to utilizing these funds judiciously and solely for the project's intended activities as approved by the Principal, CBIT.

We acknowledge that the successful completion of the project entails meeting the predetermined objectives, milestones, and deliverables within the stipulated timeframe. We will exert our best efforts, along with our team, to achieve these goals effectively and efficiently.

Furthermore, we pledge to adhere to the reporting requirements set forth by the institute, including but not limited to:

Regular submission of progress reports to the R&E Committee as per the prescribed schedule. Compliance with financial regulations and submission of all necessary financial documents and statements as required. Timely completion and submission of the final project report, including documentation of research outcomes, utilization certificate, and any other relevant documentation specified.

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, we understand that the funds released for this project will be recovered from the undersigned and Co-Principal Investigators involved in the project.

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. 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.

We accept full responsibility for the outcomes and deliverables of the project and commit to upholding the highest standards of integrity, professionalism, and ethical conduct throughout its duration.

S. No	PI / Co-PI	Names of the investigators	Signature of Investigators	Date of Signing
1	PI	Dr. G Laxmaiah		26.03.2024
2	Co-PI	Dr. S Solomon Raj		26.03.2024
3	Co-PI	Dr. Ch Indira Priyadarshini		26.03.2024



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

45

years

Undertaking given by Principal, Director and Head R&E and Head of the Department, MECHANICAL to the President

We, the undersigned, hereby solemnly undertake the responsibility as the Supervising authority on the project **Design and Fabrication of Praheti Racing Car Chassis** (herein after called as project) sanctioned to **Dr. G Laxmaiah** Principal Investigator and **Dr. S Solomon Raj** and **Dr. Ch Indira Priyadarshini** Co-Investigator on 26 Mar 2024 funded by Chaitanya Bharathi Institute of Technology, to ensure its timely and successful completion in accordance with the terms and conditions laid out by the institute under seed grants.

We understand that the funds released for this project are intended for specific research purposes outlined in the approved proposal. Therefore, we commit to supervise the utilization of these funds judiciously and solely for the project(s) intended activities as approved by the Principal, CBIT.

We will supervise the progress of the project periodically and ensure to report the same to R&E Committee as per the prescribed schedule. 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, We understand that the funds released for this project will be recovered from the Principal Investigator and Co-Principal Investigators involved in the project.

We accept responsibility to supervise the outcomes and deliverables of the project and commit to upholding the highest standards of integrity, professionalism, and ethical conduct throughout its duration.


**Head of the Department
(Mechanical)**


Director and Head R&E


Principal

Date: 26 Mar 2024



Project Sanction Order

No.CBIT/R&E/41 /2024

Date: 26 Mar 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/I050/Mech/D011/2024	
Title of the project	:	Development of Program Assisted Mini E Cart	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 24500
		Consumables(Rs)	: 89200
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 113700
Duration of the Project	:	ONE YEAR	
Department	:	MECHANICAL	
Principal Investigator	:	Dr. Ch. Indira ,Priyadarsini	



Co-Principal Investigators	:	Dr P Ravinder Reddy, Ms. P Anjani Devi, Dr. Rahul and Dr. T Sri Devi
Faculty ID of PI	:	10426
Contact email ID	:	priyadarshini_mech@cbit.ac.in
Contact Number	:	9440701652

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
4.	Number of Project proposals to be submitted to external funding agencies	:	--
5.	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/42 /2024

Date: 26 Mar 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/I049/Physics/D005/2024	
Title of the project	:	Exploration of Strongly Correlated Magneto-Responsive Functionalities of High Entropy Double Layered Oxides	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 78130
		Consumables(Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 78130
Duration of the Project	:	ONE YEAR	
Department	:	PHYSICS	
Principal Investigator	:	Dr. Y Srinivasa Reddy	

Co-Principal Investigators	:	Dr. S. Shanmukharao Samatham
Faculty ID of PI	:	11004
Contact email ID	:	ysreddy_physics@cbit.ac.in
Contact Number	:	9849419334

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
4.	Number of Project proposals to be submitted to external funding agencies	:	--
5.	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/43 /2024

Date: 26 Mar 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/I048/Chemical/D008/2024	
Title of the project	:	Production of Biodiesel from the Waste Oils Esterification	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 35988
		Consumables(Rs)	: 10000
		Hiring /Testing Charges (Rs)	: 5000
		Total (Rs.)	: 50988
Duration of the Project	:	ONE YEAR	
Department	:	CHEMICAL	
Principal Investigator	:	Dr M Mallaiah	



Co-Principal Investigators	:	Dr. K Prasad Babu
Faculty ID of PI	:	10728
Contact email ID	:	mallaiah_chem@cbit.ac.in
Contact Number	:	9948107272

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
4.	Number of Project proposals to be submitted to external funding agencies	:	--
5.	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/44 /2024

Date: 26 Mar 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/I047/Chemical/D007/2024	
Title of the project	:	Sustainable Bioplastic Films from Agri-Residues with Eggshells as Plasticizer for Biodegradable Nursery Bags	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 9105
		Consumables(Rs)	: 8100
		Hiring /Testing Charges (Rs)	: 26000
		Total (Rs.)	: 43205
Duration of the Project	:	ONE YEAR	
Department	:	CHEMICAL	
Principal Investigator	:	Dr. Prasanna Rani R	



Co-Principal Investigators	:	Dr. P.V.Naga Prapurna and Prof. M. Mukunda Vani
Faculty ID of PI	:	10725
Contact email ID	:	prasannarani_chem@cbit.ac.in
Contact Number	:	9618365277

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
4.	Number of Project proposals to be submitted to external funding agencies	:	--
5.	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/76 /2024

Date: 26 Mar 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/I046/SMS/D001	
Title of the project	:	Digital Literacy and Digital Empowerment of Select Group of Weavers and Artisans with Reference to Pochampally Village, Telangana, Hyderabad	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 22200
		Consumables(Rs)	: 0
		Hiring /Testing Charges (Rs)	: 13999
		Total (Rs.)	: 36199
Duration of the Project	:	ONE YEAR	
Department	:	SMS	



Principal Investigator	:	Dr. T S Poornachandrika
Co-Principal Investigators	:	Dr. S Solomon Raj
Faculty ID of PI	:	11305
Contact email ID	:	Poornachandrika_sms@cbit.ac.in
Contact Number	:	9550553725

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
4.	Number of Project proposals to be submitted to external funding agencies	:	--
5.	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/77 /2024

Date: 26 Mar 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/I045/ECE/D006/2024	
Title of the project	:	FD Handwashing Machine for Disease Preventive and Hygiene Practices During Pandemic	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 25000
		Consumables(Rs)	: 10000
		Hiring /Testing Charges (Rs)	: 5000
		Total (Rs.)	: 40000
Duration of the Project	:	ONE YEAR	
Department	:	ECE	
Principal Investigator	:	Dr. S Radha	



Co-Principal Investigators	:	Dr. D Nagadevi
Faculty ID of PI	:	10387
Contact email ID	:	radhas_ece@cbit.ac.in
Contact Number	:	9677532662

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
4.	Number of Project proposals to be submitted to external funding agencies	:	--
5.	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/78 /2024

Date: 26 Mar 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/I044/ECE/D005/2024	
Title of the project	:	FPGA based Low Cost High Performance Health Monitoring System	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 36960
		Consumables(Rs)	: 0
		Hiring /Testing Charges (Rs)	: 3000
		Total (Rs.)	: 39960
Duration of the Project	:	ONE YEAR	
Department	:	ECE	
Principal Investigator	:	Dr. B Khaleelu Rehman	



Co-Principal Investigators	:	Dr. P Anuradha
Faculty ID of PI	:	10389
Contact email ID	:	khaleelurehmanb_ece@cbit.ac.in
Contact Number	:	9985537956

Expected Outcomes:

1.	Number of Q1, Q2, Q3 journals of CBIT listed publishers	:	01
2.	Number of Conferences of CBIT listed publishers	:	--
3.	Number of Patents / Copyrights	:	01
4.	Number of Project proposals to be submitted to external funding agencies	:	--
5.	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/ 11 /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/I043/AIDS/D001/2024	
Title of the project	:	Intelligent Irrigation System	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 204269
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 204269
Duration of the Project	:	1 Year	
Department	:	AI&DS	
Principal Investigator	:	Dr. D L Sreenivasa Reddy	
Co-Principal Investigators	:	Dr. G Mallikharjuna Rao	



Faculty ID of PI	:	11211
Contact email ID	:	dlsrinivasareddy_it@cbit.ac.in
Contact Number	:	94417 94626

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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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/ 12 /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/I042/Civil/D004/2024	
Title of the project	:	Sustainable Ground Improvement by using Chemically Treated Shredded Tire and HDPE in sand	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 235869
		Consumables (Rs)	: 0
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 235869
Duration of the Project	:	1 Year	
Department	:	Civil	
Principal Investigator	:	Dr. Angshuman Das	

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. Raj Kumar Varma and Dr. K Jagannadha Rao
Faculty ID of PI	:	10181
Contact email ID	:	angshumandas_civil@cbit.ac.in
Contact Number	:	9991016357

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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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/ 13 /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/I041/Civil/D003/2024		
Title of the project	:	Parametric Study of Design of Sustainable Air Filter with MOF Coated Cotton Fiber for the Removal of Particulate Matter		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	120360
		Consumables (Rs)	:	42576
		Hiring /Testing Charges (Rs)	:	20000
		Total (Rs.)	:	182936
Duration of the Project	:	1 Year		
Department	:	Civil		
Principal Investigator	:	Dr. Dudam Bharath Kumar		



Co-Principal Investigators	:	Dr. Koniki Srikanth and Dr.M Mukunda Vani
Faculty ID of PI	:	10180
Contact email ID	:	bharathkumard_civil@cbit.ac.in
Contact Number	:	8917297989

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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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/ 14 /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/I040/Maths/D001/2024		
Title of the project	:	A Hybrid Quantum Convolutional Neural Network for Skin Lesion Classification		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	160000
		Consumables (Rs)	:	10000
		Hiring /Testing Charges (Rs)	:	0
		Total (Rs.)	:	170000
Duration of the Project	:	1 Year		
Department	:	Mathematics		
Principal Investigator	:	Dr. M Santoshi Kumari		



Co-Principal Investigators	:	Dr. P Samson Anosh Babu
Faculty ID of PI	:	10940
Contact email ID	:	santoshikumari_maths@cbit.ac.in
Contact Number	:	8618799545

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/ 15 /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/I039/Chemical/D006/2024		
Title of the project	:	Fabrication of Continuous Microreactor for the Electrochemical Reduction of CO ₂ into Formic Acid		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	171163
		Consumables (Rs)	:	21837
		Hiring /Testing Charges (Rs)	:	0
		Total (Rs.)	:	193000
Duration of the Project	:	1 Year		
Department	:	Chemical		
Principal Investigator	:	Dr. Raj Kumar Verma		
Co-Principal Investigators	:	Dr. M Mallaiah		



Faculty ID of PI	:	10727
Contact email ID	:	rajkumar_chem@cbit.ac.in
Contact Number	:	8307066689

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/ 16 /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/1038/Chemical/D005/2024		
Title of the project	:	Green Synthesized Nanoparticle Coated Membranes for Microbial Fuel Cell Applications		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	108709
		Consumables (Rs)	:	96568
		Hiring /Testing Charges (Rs)	:	25000
		Total (Rs.)	:	230277
Duration of the Project	:	1 Year		
Department	:	Chemical		
Principal Investigator	:	Dr. M Mukunda Vani		



Co-Principal Investigators	:	Dr. D Bharath Kumar and Dr. R Prasanna Rani
Faculty ID of PI	:	10729
Contact email ID	:	mukundavanim_chem@cbit.ac.in
Contact Number	:	9866002491

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/ 17 /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/I037/Chemical/D004/2024		
Title of the project	:	Pulp, Handsheet and Black Liquor Characterization of Hardwood Species (Beach Sheoak) after Kraft Cooking and Bleaching Process		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	212400
		Consumables (Rs)	:	11270
		Hiring /Testing Charges (Rs)	:	15000
		Total (Rs.)	:	238670
Duration of the Project	:	1 Year		
Department	:	Chemical		
Principal Investigator	:	Dr. P Madhuri		

Co-Principal Investigators	:	Dr. B V S Praveen, Dr. Raj Kumar Verma
Faculty ID of PI	:	10711
Contact email ID	:	pmadhuri_chem@cbit.ac.in
Contact Number	:	9705976552

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/ 18 /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/I036/Chemical/D003/2024	
Title of the project	:	Harnessing Natural Value-added Products from Floral Waste: Sustainable Approach Towards Zero-Waste	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 28180
		Consumables (Rs)	: 7777
		Hiring /Testing Charges (Rs)	: 15000
		Total (Rs.)	: 50957
Duration of the Project	:	1 Year	
Department	:	Chemical	
Principal Investigator	:	Dr. P V Naga Prapurna	

Co-Principal Investigators	:	Dr. Prasanna Rani R and Dr. M Mukunda Vani
Faculty ID of PI	:	10705
Contact email ID	:	<u>nagaprapurna_chem@cbit.ac.in</u>
Contact Number	:	9885256057

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



Project Sanction Order

No. CBIT/R&E/ 19 /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/I035/Chemical/D002/2024		
Title of the project	:	Valorization of Fruit Peels Waste as a Potential Source to Produce Cu Nanoparticles for in-situ Trapping of Nutrients for Modern Agricultural Practices		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	134403
		Consumables (Rs)	:	7451
		Hiring /Testing Charges (Rs)	:	16000
		Total (Rs.)	:	157854
Duration of the Project	:	1 Year		
Department	:	Chemical		
Principal Investigator	:	Dr. Prasanna Rani R		

Co-Principal Investigators	:	Prof. M Mukunda Vani and Dr. P V Naga Prapurna
Faculty ID of PI	:	10725
Contact email ID	:	prasannarani_chem@cbit.ac.in
Contact Number	:	9618365277

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/ 20 /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/I034/Physics/D005/2024		
Title of the project	:	Surface Modification Of Timber With Au NP-Embedded TiO ₂ - SiO ₂ -Zno Thin Films		
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	:	136000
		Consumables (Rs)	:	68178
		Hiring /Testing Charges (Rs)	:	0
		Total (Rs.)	:	204178
Duration of the Project	:	1 Year		
Department	:	Physics		
Principal Investigator	:	Dr. B M. Pratima		
Co-Principal Investigators	:	Dr. M Bhanu Chandra, Dr. S Shanmukharao Samatham, Dr. Santhosh Kumar A, Dr.Chandra Sekhar		



Faculty ID of PI	:	11011
Contact email ID	:	bmpratima_physics@cbit.ac.in
Contact Number	:	8939106685

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.

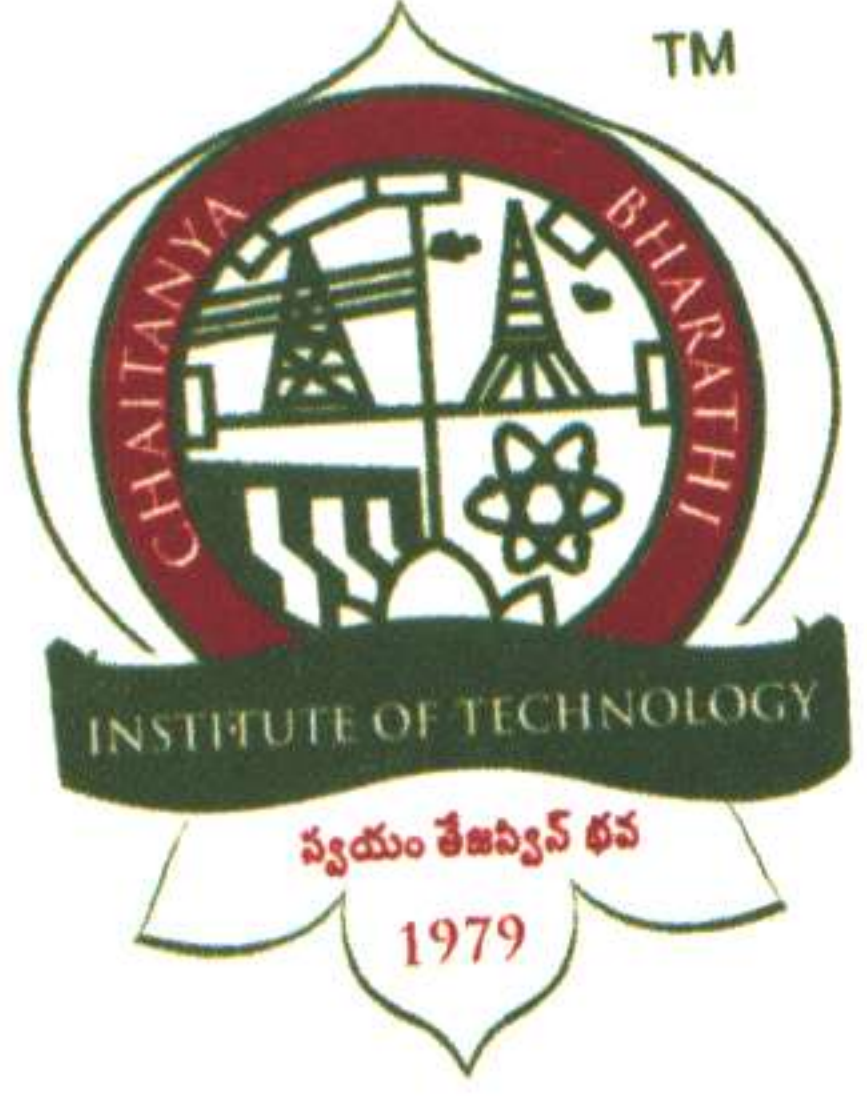
III. Outcome of the Research Project :

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/ 21 /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/I033/Physics/D004/2024	
Title of the project	:	Studies on the Natural Background Gamma Radiation Levels in the Environs of Amrabad Uranium Mineralized area, Telangana State	
Seed Grant in Aid (Rs.)	:	Equipment (Rs.)	: 147500
		Consumables (Rs)	: 40000
		Hiring /Testing Charges (Rs)	: 0
		Total (Rs.)	: 187500
Duration of the Project	:	1 Year	
Department	:	Physics	
Principal Investigator	:	Dr. B Sreenivasa Reddy	



Co-Principal Investigators	:	Prof. B Linga Reddy and Dr. Vinay Kumar Reddy
Faculty ID of PI	:	11003
Contact email ID	:	bsreenivasareddy_physics@cbit.ac.in
Contact Number	:	9849272455

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:

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Principal