



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi, & Permanently Affiliated to J.N.T.U.K., Kakinada)

NAAC B++ Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Bhogapuram (Mandal), Vizianagaram -
531162. www.aietta.ac.in, principal@aietta.ac.in

3.1.1 Grants received from Government and non government agencies for research projects/ endowments in the institution during the AY 2020-21.

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Lr.No. Circular/AIET/R&D/2020-21

Date 21.10.2020

CIRCULAR

Sub: Seed Money for R&D Projects

An R&D project involving a regular faculty member or team of faculty members will be given a seed budget of no more than Rs. 15,000 per project. The approval of seed money for an application project will depend on review by a committee that the principal has constituted. To apply for seed money in this regard, all faculty members must deliver a hard copy of their project proposals to the principal by no stretch of time than November 21, 2020. Please get in contact with the HODs of your respective departments for further details. The smooth functioning of the plan will be the responsibility of the R&D coordinators of each department.

Principal

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Lr. No. Circular/AIET/2020-21

Date 26.10.2020

NOTICE

For the final evaluation of the R&D projects to be approved under the institution Seed Money Scheme, assessment committees are hereby established as proceeds.

S. No.	Name	Department
1	Dr. B. Avinash Ben	Professor, Coordinator, Mech
2	Dr. Raja Santhosh	Professor, Mech
3	Dr. R. Swapna	Professor, BS&H
4	Dr. A. Balakrishna	Professor, CSE
5	Dr. E. Ranjit Kumar	Professor, BS&H
8	Mrs. K. Syamala	Associate Professor, ECE
7	Mr. B. Anand Swaroop	Associate Professor, EEE




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Date: 03.11.2020

Note on seed money proposals: Regd.

With reference to the circular (Lr. No. Circular/AIET/R&D/2020-21) dated 21.10.2020 regarding inviting R&D proposals under seed money scheme and the assessment committee evaluated all the submitted proposals based on the novelty and future scope and shortlisted 17 projects and further recommended for seed money grant. Total budget of all the projects will be 209,000/-for the academic year 2020-21.

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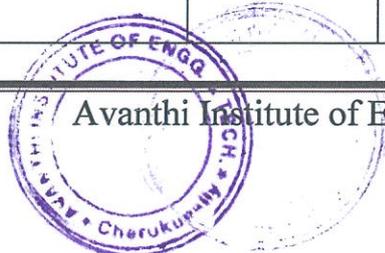
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List of Proposals Shortlisted for Seed Money Grant

S. No.	Name of the Faculty	Department	Title	Amount
1	Dr G. Satyanarayana	CSE	Aspect based approach for document level sentiment classification of movie reviews	12,000
2	Dr. A. Bala Krishna	CSE	A survey on Machine learning based analysis of heterogeneous data	11,000
3	Dr. A. Chandra Sekhar	CSE	Learning from Mistakes: Sampling strategies to efficiently train machine learning models for prediction	10,000
4	Dr. Avinash Ben	Mech	Self-healing performance assessment of epoxy resin and amine hardener encapsulated polymethyl methacrylate microcapsules reinforced epoxy composite	15,000
5	Dr. V. Adinarayana	ECE	Compressed Sensing channel Estimation with FBMC based Large scale MIMO using Gaussian Mixture Learning	10,000
6	Dr. V Sai Prasanth	MBA	Customers Perception with Reference to Customer Relationship Management in Organized Retail in Visakhapatnam	10,000
7	Mr. R. Venkatesh	Civil	Intumescent coatings used for the fire-safe design of steel structures	15,000
8	Mr. D. Dhana Prasad	EEE	Modeling and Control of a Multiport Converter based EV Charging Station with PV and Battery	15,000
9	Mr. A. Arjun Rao	EEE	Battery cycle life assessment for a electrical vehicle	15,000
10	Mr. B. Anand Swaroop	EEE	Power Quality Enhancement of Grid-Connected Solar Photovoltaic System Using ANN based Filter	15,000



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11	Ms. M. Lakshmi Sramika	Mech	Design and Analysis of Formula Sea Vehicle Rear Upright and comparison of Analytical and Software Analysis Solutions of Principle Stresses at Different points	11,000
12	Mr. SK. Hidayatulla Shariff	Mech	Experimental study on direct injection diesel engine fueled with ferric chloride nanoparticle dispersed cassia fistula bio diesel blend	14,000
13	Mr. V. Pradeep Kumar	Mech	Design and Analysis of a Rectangular Fin with Comparing by Varying Its Geometry and Material, With Perforation and Extension	13,000
14	Mrs. K. Deepthi	Mech	Design and analysis on Shock Absorbers for an off road race car	12,000
15	Mr. V. Siva Bhaskar Rao	ECE	Spectral Efficiency and Data rate maximization in 5G	10,000
16	Mrs. K. Shyamala	ECE	Magneto-optical current sensing for applications in integrated power electronics modules	11,000
17	Mrs. Ch.Kavitha	CSE	Design and Analysis of performance of dynamic resource allocation for map reduce with partitioning skew	10,000

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Cherukupally,

Date: 27.10.2020

To
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am G. Satyanarayana working as a Professor in Department of Computer Science Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Aspect based approach for document level sentiment classification of movie reviews	Computer Science Engineering	12,000

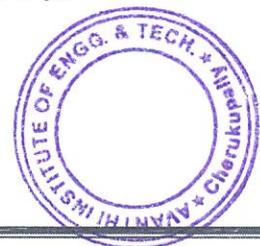
We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,

G. Satyanarayana
Signature of the Project Investigator

Department: CSE


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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/01/2020-21

Sub: Financial sanction of the research project titled “Aspect based approach for document level sentiment classification of movie reviews” for Dr. G. Satyanarayana under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 12,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.




Principal

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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 12,000/-, received from Avanthi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Aspect based approach for document level sentiment classification of movie reviews**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.

G. Lalitha

Signature of the Project Investigator

Department: CSE

[Handwritten Signature]

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Cherukupally,

Date: 27.10.2020

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Dr. A. Bala Krishna working as a Professor in Department of Computer Science Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
A survey on Machine learning based analysis of heterogeneous data	Computer Science Engineering	Rs. 11,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



Signature of the Project Investigator

Department: CSE



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/02/2020-21

Sub: Financial sanction of the research project titled “A survey on Machine learning based analysis of heterogeneous data” for **Dr. A. Bala Krishna** under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 11,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.




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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 11,000/-, received from Avanathi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**A survey on Machine learning based analysis of heterogeneous data**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.

Signature of the Project Investigator

Department: CSE





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Cherukupally,

Date: 28.10.2020

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Dr. A. Chandra Sekhar working as a Professor in Department of Computer Science Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Learning from Mistakes: Sampling strategies to efficiently train machine learning models for prediction	Computer Science Engineering	Rs. 10,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



Signature of the Project Investigator

Department: CSE



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/03/2020-21

Sub: Financial sanction of the research project titled “**Learning from Mistakes: Sampling strategies to efficiently train machine learning models for prediction**” for **Dr. A. Chandra Sekhar** under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 10,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.




Principal

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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 10,000/-, received from Avanathi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Learning from Mistakes: Sampling strategies to efficiently train machine learning models for prediction**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



Signature of the Project Investigator

Department: CSE



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Cherukupally,

Date: 29.10.2020.

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Dr. B. Avinash Ben working as a Professor in Department of Mechanical Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Self-healing performance assessment of epoxy resin and amine hardener encapsulated polymethyl methacrylate microcapsules reinforced epoxy composite	Mechanical Engineering	Rs. 15,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



Signature of the Project Investigator

Department: MECHANICAL Engg.



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/04/2020-21

Sub: Financial sanction of the research project titled “Self-healing performance assessment of epoxy resin and amine hardener encapsulated polymethyl methacrylate microcapsules reinforced epoxy composite” for Dr. B. Avinash Ben under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 15,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.


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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 15,000/-, received from Avanthi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Self-healing performance assessment of epoxy resin and amine hardener encapsulated polymethyl methacrylate microcapsules reinforced epoxy composite**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



Signature of the Project Investigator

Department: *mech.*



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Cherukupally,

Date: 28.10.2020

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Dr. V. Adinarayana working as a Professor in Department of Electronics and Communication Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Compressed Sensing channel Estimation with FBMC based Large scale MIMO using Gaussian Mixture Learning	Electronics and Communication Engineering	Rs. 10,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,




Signature of the Project Investigator

Department: *ECE*



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/05/2020-21

Sub: Financial sanction of the research project titled “**Compressed Sensing channel Estimation with FBMC based Large scale MIMO using Gaussian Mixture Learning**” for Dr. V. Adinarayana under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 10,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.

Principal

PRINCIPAL
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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 10,000/-, received from Avanathi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Compressed Sensing channel Estimation with FBMC based Large scale MIMO using Gaussian Mixture Learning**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



Signature of the Project Investigator

Department: ECE



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Cherukupally,

Date: 31.10.2020

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Dr. V.Sai Prashanth working as a Professor in Department of MBA in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Customers Perception with Reference to Customer Relationship Management in Organized Retail in Visakhapatnam	MBA	Rs. 10,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



V. Sai Prashanth
Signature of the Project Investigator

Department: MBA



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/06/2020-21

Sub: Financial sanction of the research project titled “Customers Perception with Reference to Customer Relationship Management in Organized Retail in Visakhapatnam” for Dr. V. Sai Prashanth under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 10,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.

Principal



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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 10,000/-, received from Avanathi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Customers Perception with Reference to Customer Relationship Management in Organized Retail in Visakhapatnam**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



V. Sai Prashanth

Signature of the Project Investigator

Department: MBA



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www.aietta.ac.in, principal@aietta.ac.in

Cherukupally,

Date: 28.10.2020

To
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Mr. R. Venkatesh working as a Assistant Professor in Department of Civil Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Intumescent coatings used for the fire-safe design of steel structures	Civil Engineering	Rs. 15,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



R. Venkatesh
Signature of the Project Investigator

Department: *Civil*



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/07/2020-21

Sub: Financial sanction of the research project titled “**Intumescent coatings used for the fire-safe design of steel structures**” for **Mr. R. Venkatesh** under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 15,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.

Principal



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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 15,000/-, received from Avanthi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Intumescent coatings used for the fire-safe design of steel structures**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



R. Lakshmi
Signature of the Project Investigator
Department: *Civil*



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Cherukupally,

Date: 31.10.2020

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Mr. D. Dhana Prasad working as an Associate Professor in Mechanical Department in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Modeling and Control of a Multiport Converter based EV Charging Station with PV and Battery	Electrical and Electronics Engineering	Rs. 15,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



Dhana
Signature of the Project Investigator

Department: EEE



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/08/2020-21

Sub: Financial sanction of the research project titled “**Modeling and Control of a Multiport Converter based EV Charging Station with PV and Battery**” for **D. Dhana Prasad** under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 15,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.




Principal

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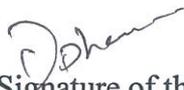
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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 15,000/-, received from Avanathi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Modeling and Control of a Multiport Converter based EV Charging Station with PV and Battery**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.




Signature of the Project Investigator

Department: *EEE*



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531162. www.aletta.ac.in, principal@aletta.ac.in

Cherukupally,

Date: 28.10.2020

To
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Mr. A Arjun Rao working as an Associate Professor in Department of Electrical and Electronics Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Battery cycle life assessment for a electrical vehicle	Electrical and Electronics Engineering	Rs. 15,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



Signature of the Project Investigator

Department: *EEE*

Avanthi Institute of Engineering and Technology



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/09/2020-21

Sub: Financial sanction of the research project titled “Battery cycle life assessment for a electrical vehicle” for Mr. A. Arjun Rao under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 15,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.



Principal

PRINCIPAL

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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 15,000/-, received from Avanthi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Battery cycle life assessment for a electrical vehicle**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



Signature of the Project Investigator

Department: EEE



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Cherukupally,

Date: 29.10.2020

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Mr. B. Anand Swaroop working as an associate professor in mechanical department in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Power Quality Enhancement of Grid-Connected Solar Photovoltaic System Using ANN based Filter	Electrical and Electronics Engineering	Rs. 15,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,




Signature of the Project Investigator

Department: E.E.E



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/10/2020-21

Sub: Financial sanction of the research project titled “Power Quality Enhancement of Grid-Connected Solar Photovoltaic System Using ANN based Filter” for Mr. B. Anand Swaroop under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 20,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.


Principal



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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 14,000/-, received from Avanathi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Power Quality Enhancement of Grid-Connected Solar Photovoltaic System Using ANN based Filter**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.




Signature of the Project Investigator

Department: EEE



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Cherukupally,

Date: 27.10.2020

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Ms. M. Lakshmi Sramika working as an associate professor in mechanical department in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Design and Analysis of Formula Sea Vehicle Rear Upright and comparison of Analytical and Software Analysis Solutions of Principle Stresses at Different points	Mechanical Engineering	Rs. 11,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



Signature of the Project Investigator

Department: Mechanical



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/11/2020-21

Sub: Financial sanction of the research project titled “**Design and Analysis of Formula Sea Vehicle Rear Upright and comparison of Analytical and Software Analysis Solutions of Principle Stresses at Different points**” for Ms. M. Lakshmi Sramika under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 11,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.



Principal

PRINCIPAL
AVANTHI INSTITUTE OF ENGG. & TECH.
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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 11,000/-, received from Avanthi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Compressed Sensing channel Estimation with FBMC based Large scale MIMO using Gaussian Mixture Learning**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



Signature of the Project Investigator

Department: *Mechanical*



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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531162. www.aietta.ac.in, principal@aietta.ac.in

Cherukupally,

Date: 30.10.2020

To
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Mr. Sk. Hidayatulla Shariff working as an associate professor in mechanical department in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Experimental study on direct injection diesel engine fueled with ferric chloride nanoparticle dispersed cassia fistula bio diesel blend	Mechanical Engineering	Rs. 14,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,




Signature of the Project Investigator

Department: *Mechanical*

Avanthi Institute of Engineering and Technology



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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NAAC B++ Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Bhogapuram (Mandal), Vizianagaram -
531162. www.aietta.ac.in, principal@aietta.ac.in

SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/12/2020-21

Sub: Financial sanction of the research project titled “Experimental study on direct injection diesel engine fueled with ferric chloride nanoparticle dispersed cassia fistula bio diesel blend” for Mr. Sk. Hidayatulla Shariff under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 14,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.

Principal



Copy to:

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3. All HODs (CSE, MECH, EEE, ECE, CIVIL, CSM, CSD, BS&H, MBA)
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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 14,000/-, received from Avanthi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Experimental study on direct injection diesel engine fueled with ferric chloride nanoparticle dispersed cassia fistula bio diesel blend**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.




Signature of the Project Investigator
Department: *Mechanical*



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www.aietta.ac.in, principal@aietta.ac.in

Cherukupally,

Date: 28.10.2020

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Mr. V. Pradeep Kumar working as an associate professor in mechanical department in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Design and Analysis of a Rectangular Fin with Comparing by Varying Its Geometry and Material, With Perforation and Extension	Mechanical Engineering	Rs. 13,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



Signature of the Project Investigator

Department: *Mechanical*



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/13/2020-21

Sub: Financial sanction of the research project titled **Design and Analysis of a Rectangular Fin with Comparing by Varying Its Geometry and Material, With Perforation and Extension for Mr. V. Pradeep Kumar** under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 13,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.

Principal



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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 13,000/-, received from Avanathi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Design and Analysis of a Rectangular Fin with Comparing by Varying Its Geometry and Material, With Perforation and Extension**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



Signature of the Project Investigator

Department: *Mechanical*



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Cherukupally,

Date: 27.10.2020

To
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Mrs. K. Deepthi working as a Assistant Professor in Department of Mechanical Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Design and analysis on Shock Absorbers for an off road race car	Mechanical Engineering	Rs. 12,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



Signature of the Project Investigator

Department: Mechanical

Avanthi Institute of Engineering and Technology



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/14/2020-21

Sub: Financial sanction of the research project titled “**Design and analysis on Shock Absorbers for an off road race car**” for **Mrs. K. Deepthi** under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 12,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.


Principal



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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 12,000/-, received from Avanthi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Design and analysis on Shock Absorbers for an off road race car**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



Signature of the Project Investigator

Department: *Mechanical*



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Cherukupally,

Date: 31.10.2020

To
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Mr. V. Siva Bhaskar Rao working as an associate professor in Department of Electronics and Communications Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Spectral Efficiency and Data rate maximization in 5G	Electronics and Communications Engineering	Rs. 10,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,



Signature of the Project Investigator

Department:



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/15/2020-21

Sub: Financial sanction of the research project titled “Spectral Efficiency and Data rate maximization in 5G” for Mr. V. Siva Bhaskar Rao under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 10,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.

Principal



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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 10,000/-, received from Avanthi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Electronics and Communications Engineering**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.



Signature of the Project Investigator

Department:



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Cherukupally,

Date: 29.10.2020

To
The Principal,
Avanathi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

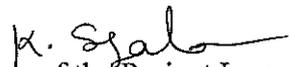
Sub: Request for support/ Sponsorship for developing project-reg.

I am K. Shyamala working as a Associate Professor in Department of Electronics and Communication Engineering in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Magneto-optical current sensing for applications in integrated power electronics modules	Electronics and Communication Engineering	11,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,


Signature of the Project Investigator

Department: ECE



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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/16/2020-21

Sub: Financial sanction of the research project titled “**Magneto-optical current sensing for applications in integrated power electronics modules**” for **Mrs. K. Shyamala** under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs. 11,000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.

Principal

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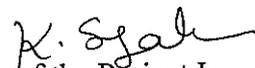
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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 11,000/-, received from Avanathi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled "**Magneto-optical current sensing for applications in integrated power electronics modules**" has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down in R&D policy of the institute.


Signature of the Project Investigator

Department: **ECE**



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www.aietta.ac.in, principal@aietta.ac.in

Cherukupally,

Date: 31.10.2020

To
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally.

Respected sir,

Sub: Request for support/ Sponsorship for developing project-reg.

I am Ch. Kavitha working as an associate professor in mechanical department in your college. I would like inform you that it gives me great pleasure to convey that I have been investigating various ideas and creating multiple projects in our college. As a part of it, I'm enthusiastic to solicit help or sponsorship for the development of a project on the campus of our college under the seed money scheme.

Name of the Project	Department	Estimated Cost
Design and Analysis of performance of dynamic resource allocation for map reduce with partitioning skew	Computer Science Engineering	10,000

We are waiting for your positive response to go ahead for further proceedings and hope to get an opportunity to serve you the best.

With Thanks and Regards,

Ch. Kavitha
Signature of the Project Investigator

Department: *C&E*

[Handwritten Signature]
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AVANTHI INSTITUTE OF ENGG. & TECH
Cherukupally (V), Chittivalasa (SAO)
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SEED MONEY SCHEME GRANT SANCTION ORDER

Ref: AIET/R&D/17/2020-21

Sub: Financial sanction of the research project titled **Design and Analysis of performance of dynamic resource allocation for map reduce with partitioning skew** for Mrs. Ch. Kavita under SEED money scheme

The AIET management is glad to approve the aforementioned proposal for potential funding through the institute's SEED money program. The above-mentioned project is hereby approved for a SEED award at a cost of Rs.10, 000.

1. The institute SEED money plan policy's conditions must be met in order for the grant to be sanctioned.
2. The money shouldn't be used for anything other the authorized project-related expenses.
3. The project's successful conclusion should fall under the purview of the PI.
4. If the performance of the work is found not satisfactory, than the undersigned has the right to terminate the project under SEED money scheme at any point of time.




Principal

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UTILIZATION CERTIFICATE

Academic Year: 2020-2021

Certified that the grant of Rs. 10,000/-, received from Avanthi Institute of Engineering and Technology under the Seed Money Scheme, for the Research Project entitled “**Design and Analysis of performance of dynamic resource allocation for map reduce with partitioning skew**” has been fully utilized for the purpose for which it was sanctioned and in accordance with in terms and conditions laid down in R&D policy of the institute.

Ch. Kavitha

Signature of the Project Investigator

Department: *CE*

[Signature]
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