



3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.3 Number of departments having Research projects funded by government and non government agencies during the year.

S NO	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Name of the Funding Agency	Type (Government/non-Government)
1	Design of Automatic solar street lights	T.KRANTHI KUMAR	EEE	Conscience Technologies	non-Government
2	DESIGN OF E BIKE SPEED CONTROLLER SYSTEM	M.RAGINI	EEE	Conscience Technologies	non-Government
3	DESIGN OF POWER EFFICIENT MINI INVERTOR	E.PRASANNA	EEE	Conscience Technologies	non-Government
4	DESIGN OF AGRICULTURE ROBOT	G.SRINIVAS	ECE	MANAC Infotech	non-Government
5	DESIGN OF COVID 19 : FACE MASK DETECTION USING KERASES OPEN CV/TENSOR FLOW AND DEEP LEARNING USING AURDINO	S.KISHORE REDDY	ECE	MANAC Infotech	non-Government
6	DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING ALGORITHM	S. SRAVANI	CSE	MANAC Infotech	non-Government
7	A DATA MINING BASED MODEL FOR DETECTION OF FRAUDULENT BEHAVIOUR IN WATER CONSUMPTION	Dr shaker Basha	CSE	MANAC Infotech	non-Government
8	TRAFFIC SIGN RECOGNITION WITH 95% ACCURACY USING CNN AND KERAS	L.SHIVA SHANKAR	CSE	MANAC Infotech	non-Government

  
PRINCIPAL  
Avanathi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



97047 55516  
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**AVANTHI INSTITUTE OF  
ENGINEERING & TECHNOLOGY**

[Approved by AICTE, Recognised by Govt. of Telangana & Affiliated to JNTU, Hyderabad]

Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

Date: 03/08/2021,

TO  
The Manager,  
CONSCIENCE TECHNOLOGIES,  
Hyderabad.

Respected sir

Subject: - Request to sponsor the funds for research in the field of electronics reg.

Avanthi Institute of Engineering & Technology, Hyderabad is by Avanthi Educational society, established in the year 1991, with the able leadership of Sri M.Srinivasa Rao, came into being with a congregation of dedicated academicians and able administrators in the field of higher education and learning. This Institution has achieved accreditation status from National Board of accreditation for ECE, CSE, EEE, and UG Programmes. The society has grown into a large group of more than 13 educational institutions having student strength more than 20,000 pursuing education in the field of Engineering & Technology, Science, Commerce, IT, & Management under this fold. We have R&D CELL and Incubation center where research projects will be undertaken.

From this academic year, our organization is concentrating more on research projects, and we have good profile of faculty who are more interested to work in research and innovation activities. So if your organization is interested to sponsor for research to our institution we will be glad to work with you.

Hoping to work with you soon.

Thanks and Regards,

  
PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (M), R.R. Dist.

## ADDITIONAL INFORMATION FOR RESEARCH PROPOSAL

**FACULTY PROFILE:** Mr. TKranthi Kumar

Mr. T Kranthi Kumar has very good communication skills .He has good hand on experience in Power electronics and control system specialization.

**Experience:** 10 years

**Area of Interest in research:** Power Electronics and control systems, wireless communication

Forward letter to:

1. Project Investigator
2. All Department HOD's
3. Maintained of incubation center

  
PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Guntihapally (V), Abdullapurmet (Mdl.), R.R. East

Date: 06/08/2021,

To  
The Principal,  
Avanathi institute of Engineering & Technology,  
Hyderabad.

Sir

Subject: - Approval Letter for Financial Assistance for Project work entitled "**Design of Automatic solar street lights**"-reg

CONSCIENCE TECHNOLOGIES are very much pleased to see your application and are very much impressed with your faculty profile and research field. Complete details of corresponding project proposal are mentioned, check it and plan accordingly .the project proposal should complete in specified time and should submit the complete information on time.

After discussion with our committee members the budget is finalized for the mentioned project proposal in attached. We wish you all the very best to complete that ask. In this regard, you need to submit reports regarding the project's progress regularly.

As per your letter deployed faculty. Dr. T.KRANTHI KUMAR, Professor, (Principal Investigator) this project under supervision. In this regard, we extend our facilities and support as well as sponsorship of Rs. 1, 41,000/ (one lakh forty one rupees only).

*B. V. R. Reddy*  
Thanks & regard



<b>Content</b>	<b>Description</b>
Start Date:	09/08/2021
Project Title	Design of Automatic solar street lights
Project Owner	T Kranthi Kumar
Budgeted Amount:	1,41,000/-
Duration	5 months



## UTILIZATION CERTIFICATE

Academic Year: 2021-22

Certified that the grant of Rs. 1,41,000 /, received from Conscience Technologies under the Seed Money Scheme, for the Research Project entitled "**Design of Automatic solar street lights**" 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

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gandhapaty (V), Abdulapurmet (M), R.R. Dist.



Hyderabad,

Date: 02.02.2022.

From  
The Principal,  
Avanthi Institute of Engineering and Technology,  
Hyderabad.

To  
The Manager,  
CONSCIENCE TECHNOLOGIES,  
Hyderabad.

Respected Sir,

Sub: Project Completion-reg.

The project has been completed on a given time bond. It has been a great achievement by us to complete the prestigious project on time. It has been a great privilege, working in association with you and looking forward to working with you in future projects. We request you to please come along with your team for collecting, retrieving of important and confidential data.

Looking forward to a quick response from your side

Thanking you,

Principal

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist



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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

Date: 03/09/2021,

TO  
The Manager,  
CONSCIENCE TECHNOLOGIES,  
Hyderabad.

Respected sir,

Subject: - Request to sponsor the funds for research in the field of electronics reg.

Avanthi Institute of Engineering & Technology, Hyderabad is by Avanthi Educational society, established in the year 1991, with the able leadership of Sri M.Srinivasa Rao, came into being with a congregation of dedicated academicians and able administrators in the field of higher education and learning. This Institution has achieved accreditation status from National Board of accreditation for ECE, CSE, EEE, and UG Programmers. The society has grown into a large group of more than 13 educational institutions having student strength more than 20,000 pursuing education in the field of Engineering & Technology, Science, Commerce, IT, & Management under this fold. We have R&D CELL and Incubation center where research projects will be undertaken.

From this academic year, our organization is concentrating more on research projects, and we have good profile of faculty who are more interested to work in research and innovation activities. So if your organization is interested to sponsor for research to our institution we will be glad to work with you.

Hoping to work with you soon.

Thanks and Regards,

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Guntihapally (V), Abdullapurmet (Mdl.), R.R. Dist



## **Additional Information For Research Proposal**

**Faculty Profile:** Mrs. E.PRASANNA

Mrs. E.PRASANNA has very good communication skills .She has good hand on experience in Power systems and control system specialization.

**Experience:** 15 years

**Area of Interest in research:** Power system and control systems , wireless communication

Forward letter to:

1. Project investigator
2. All HOD's
3. Maintained of incubation center



**PRINCIPAL**  
**Avanthi Institute of Engg. & Tech.**  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



Date: 06/09/2021,

To  
The Principal,  
Avanathi institute of Engineering & Technology,  
Hyderabad.


Sir

Subject: - Approval Letter for Financial Assistance for Project work entitled  
**"DESIGN OF POWER EFFICIENT MINI INVERTOR "-Reg;**

CONSCIENCE TECHNOLOGIES are very much pleased to see your application and are very much impressed with your faculty profile and research field. Complete details of corresponding project proposal are mentioned, check it and plan accordingly .the project proposal should complete in specified time and should submit the complete information on time. After discussion with our committee members the budget is finalized for the mentioned project proposal in attached.

As mentioned in the proposal the duration of the project is of six months. We wish you all the very best to finish the task in the given time. We request you to periodically submit progress reports regarding the project.

As per your communication the concerned faculty members are Principal Investigator Mrs. E.PRASANNA, Assistant Professor of EEE, AVIH, Hyderabad. ,we extend our facilities as well as sponsorship of Rs.1,20,000/-(One lakh Twenty Thousand Rupees only).

  
Thanks & regard,



<b>Content</b>	<b>Description</b>
Start Date:	09/09/2021
Project Title	DESIGN OF E BIKE SPEED CONTROLLER SYSTEM
Project Owner	Mrs E.PRASANNA
Budgeted Amount:	1.20,0000/-
Duration	6 months



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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

## UTILIZATION CERTIFICATE

Academic Year: 2021-22

Certified that the grant of Rs. 1,20,000 /, received from Conscience Technologies under the Seed Money Scheme, for the Research Project entitled "**Design Of E Bike Speed Controller System**" 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

PRINCIPAL

Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (M), R.R. Dist.



Hyderabad,

Date: 07.03.2022.

From  
The Principal,  
Avanthi Institute of Engineering and Technology,  
Hyderabad.

To  
The Manager,  
CONSCIENCE TECHNOLOGIES,  
Hyderabad.

Respected Sir,

Sub: Project Completion-reg.

The project has been completed on a given time bond. It has been a great achievement by us to complete the prestigious project on time. It has been a great privilege, working in association with you and looking forward to working with you in future projects. We request you to please come along with your team for collecting, retrieving of important and confidential data.

Looking forward to a quick response from your side.

Thanking you,

  
Principal

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

Date: 27/09/2021,

TO  
The Manager,  
CONSCIENCE TECHNOLOGIES,  
Hyderabad.

Respected sir

Subject: - Request to sponsor the funds for research in the field of electronics reg.

Avanthi Institute of Engineering & Technology, Hyderabad is by Avanthi Educational society, established in the year 1991, with the able leadership of Sri M.Srinivasa Rao, came into being with a congregation of dedicated academicians and able administrators in the field of higher education and learning. This Institution has achieved accreditation status from National Board of accreditation for ECE, CSE, EEE, and UG Programmes. The society has grown into a large group of more than 13 educational institutions having student strength more than 20,000 pursuing education in the field of Engineering & Technology, Science, Commerce, IT, & Management under this fold. We have R&D CELL and Incubation center where research projects will be undertaken.

From this academic year, our organization is concentrating more on research projects, and we have good profile of faculty who are more interested to work in research and innovation activities. So if your organization is interested to sponsor for research to our institution we will be glad to work with you.

Hoping to work with you soon.

Thanks and Regards

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.

## ADDITIONAL INFORMATION FOR RESEARCH PROPOSAL

### FACULTY PROFILE: Ms. M.RAGINI

Ms. M.RAGINI has very good communication skills. She has good hand on experience in Power electronics and control system specialization.

**Experience:** 12 years

**Area of Interest in research:** Power Electronics and control systems , wireless communication

### Forward letter to :

1. Project Investigator
2. All Department HOD's
3. Maintained of incubation center



PRINCIPAL  
Avanthi Institute of Engg. & Tech  
Abdullapeta, Hyderabad



Date: 30/09/2021,

To  
The Principal,  
Avanathi institute of Engineering & Technology,  
Hyderabad.

Sir

Subject: - Approval Letter for Financial Assistance for Project work entitled  
“**DESIGN OF E BIKE SPEED CONTROLLER SYSTEM**”-reg,

CONSCIENCE TECHNOLOGIES are very much pleased to see your application and are very much impressed with your faculty profile and research field. Complete details of corresponding project proposal are mentioned, check it and plan accordingly .the project proposal should complete in specified time and should submit the complete information on time.

After discussion with our committee members the budget is finalized for the mentioned project proposal in attached. We wish you all the very best to complete that ask. In this regard, you need to submit reports regarding the project's progress regularly.

As per your letter deployed faculty. Ms. M.RAGINI, Assistant Professor, (Principal Investigator) this project under supervision. In this regard, we extend our facilities and support as well as sponsorship of Rs.1,25,000/( one lakh twenty five thousand rupees only).

Thanks & regard





<b>Content</b>	<b>Description</b>
Start Date:	01/10/2021
Project Title	DESIGN OF E BIKE SPEED CONTROLLER SYSTEM
Project Owner	Ms M.RAGINI
Budgeted Amount:	1,25,000/-
Duration	5 months



## UTILIZATION CERTIFICATE

Academic Year: 2021-22

Certified that the grant of Rs. 1,25,000 /, received from Conscience Technologies under the Seed Money Scheme, for the Research Project entitled "**Design Of E Bike Speed Controller System**" 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

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (M.), R.R. Dist.



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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 312.

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

Hyderabad,

Date: 04.03.2022.

From  
The Principal,  
Avanthi Institute of Engineering and Technology,  
Hyderabad.

To  
The Manager,  
CONSCIENCE TECHNOLOGIES,  
Hyderabad.

Respected Sir,

Sub: Project Completion-reg.

The project has been completed on a given time bond. It has been a great achievement by us to complete the prestigious project on time. It has been a great privilege, working in association with you and looking forward to working with you in future projects. We request you to please come along with your team for collecting, retrieving of important and confidential data.

Looking forward to a quick response from your side

Thanking you,

Principal

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (M), R.R. Dist



Date: 27/10/2021,

TO  
The Manager,  
MANAC InfoTech,  
Hyderabad.

Respected sir

Subject: - Request to sponsor the funds for research in the field of electronics reg.

Avanthi Institute of Engineering & Technology, Hyderabad is by Avanthi Educational society, established in the year 1991, with the able leadership of Sri M.Srinivasa Rao, came into being with a congregation of dedicated academicians and able administrators in the field of higher education and learning. This Institution has achieved accreditation status from National Board of accreditation for ECE, CSE, EEE, and UG Programmers. The society has grown into a large group of more than 13 educational institutions having student strength more than 20,000 pursuing education in the field of Engineering & Technology, Science, Commerce, IT, & Management under this fold. We have R&D CELL and Incubation center where research projects will be undertaken.

From this academic year, our organization is concentrating more on research projects, and we have good profile of faculty who are more interested to work in research and innovation activities. So if your organization is interested to sponsor for research to our institution we will be glad to work with you.

Hoping to work with you soon.

Thanks and Regards

PRINCIPAL

Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (M), R.R. Dist.

## **Additional Information for Research proposal**

**FACULTY PROFILE:** Mr G.SRINIVAS

G.SRINIVAS has very good communication skills .He has good hand on experience in Analog electronics and communications specialization.

**Experience:** 6 years

**Area of Interest in research:** Analog electronics and communications

Forward letter to:

1. Project investigator
2. All HOD's
3. Maintained of incubation center



PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Guntihapally (V), Abdullapurmet (Mdl.), R.R. Dist

# MANAC

Infotech (P) Limited

Date: 29/10/2021,

To  
The Principal,  
Avanathi institute of Engineering & Technology,  
Hyderabad.

Sir

Subject: - Approval Letter for Financial Assistance for Project work entitled  
**"DESIGN OF AGRICULTURE ROBOT "-Reg**

MANAC InfoTech are very much pleased to see your application and are very much impressed with your faculty profile and research field. We are happy to inform you that the manager has approved your project proposal entitled "DESIGN OF AGRICULTURE ROBOT ". We anticipate this project proposal may be of greater signify concerto the people in this era.

Complete details of corresponding project proposal are mentioned, check it and plan accordingly .the project proposal should complete in specified time and should submit the complete information on time.

As mentioned in the proposal he duration of the project is of four months. We wish you all the very best to finish the task in the given time. We request you to periodically submit progress reports regarding the project. After discussion with our committee members the budget is finalized for the mentioned project proposal in attached.

As per your communication the concerned faculty members are Principal Investigator Mrs. G.SRINIVAS, Assistant Professor & Department of EEE, AVIH, Hyderabad. In this regard, we extend our facilities as well as sponsorship of Rs.85,000/- ( Eighty Fifty Thousand Rupees only).

  
Thanks & regard



<b>Content</b>	<b>Description</b>
Start Date:	01/11/2021
Project Title	DESIGN OF AGRICULTURE ROBOT
Project Owner	G.SRINIVAS
Budgeted Amount:	85,000/-
Duration	4 months



## UTILIZATION CERTIFICATE

Academic Year: 2021-22

Certified that the grant of Rs. 85,000 /, received from MANAC InfoTech under the Seed Money Scheme, for the Research Project entitled "**Design Of Agriculture Robot**" 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

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist





Hyderabad,

Date: 11.03.2022.

From  
The Principal,  
Avanthi Institute of Engineering and Technology,  
Hyderabad.

To  
The Manager,  
MANAC InfoTech,  
Hyderabad.

Respected Sir,

Sub: Project Completion-reg.

The project has been completed on a given time bond. It has been a great achievement by us to complete the prestigious project on time. It has been a great privilege, working in association with you and looking forward to working with you in future projects. We request you to please come along with your team for collecting, retrieving of important and confidential data.

Looking forward to a quick response from your side.

Thanking you,

Principal

**PRINCIPAL**  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



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(Approved by AICTE, Recognised by Govt. of Telangana & Affiliated to JNTU, Hyderabad)

Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

Date: 22/11/2021,

TO  
The Manager,  
MANAC InfoTech,  
Hyderabad.

Respected sir

Subject: - Request to sponsor the funds for research in the field of electronics reg.

Avanthi Institute of Engineering & Technology, Hyderabad is by Avanthi Educational society, established in the year 1991, with the able leadership of Sri M.Srinivasa Rao, came into being with a congregation of dedicated academicians and able administrators in the field of higher education and learning. This Institution has achieved accreditation status from National Board of accreditation for ECE, CSE, EEE, and UG Programmers. The society has grown into a large group of more than 13 educational institutions having student strength more than 20,000 pursuing education in the field of Engineering & Technology, Science, Commerce, IT, & Management under this fold. We have R&D CELL and Incubation center where research projects will be undertaken.

From this academic year, our organization is concentrating more on research projects, and we have good profile of faculty who are more interested to work in research and innovation activities. So if your organization is interested to sponsor for research to our institution we will be glad to work with you.

Hoping to work with you soon.

Thanks and Regards,

**PRINCIPAL**  
**Avanthi Institute of Engg. & Tech.**  
Gunthapally (V), Abdullapurmet (M), R.R. Dist.

## **Additional Information for Research proposal**

**Faculty Profile:** Dr. S.KISHORE REDDY

Dr. S.KISHORE REDDY has very good communication skills .He has good hand on experience in Power electronics and control system specialization.

**Experience:** 15 years

**Area of Interest in research:** Digital Electronics and wireless communication

Forward letter to:

1. Project investigator
2. All HOD's
3. Maintained of incubation center



PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunturpally (V), Abdullapurmet (Mdl.), R.R. Dist.

# MANAC

Infotech (P) Limited

Date: 25/11/2021,

To  
The Principal,  
Avanathi institute of Engineering & Technology,  
Hyderabad.

Sir


Subject: - Approval Letter for Financial Assistance for Project work entitled  
**“DESIGN OF COVID 19 : FACE MASK DETECTION USING KERASES  
OPEN CV/TENSOR FLOW AND DEEP LEARNING USING AURDINO”-Reg**

MANAC InfoTech are very much pleased to see your application and are very much impressed with your faculty profile and research field. We are happy to inform you that the manager has approved your project proposal entitled " DESIGN OF COVID 19 : FACE MASK DETECTION USING KERASES OPEN CV/TENSOR FLOW AND DEEP LEARNING USING AURDINO". We anticipate this project proposal may be of greater signify concerto the people in this era.

Complete details of corresponding project proposal are mentioned, check it and plan accordingly .the project proposal should complete in specified time and should submit the complete information on time.

As mentioned in the proposal he duration of the project is of five months. We wish you all the very best to finish the task in the given time. We request you to periodically submit progress reports regarding the project. After discussion with our committee members the budget is finalized for the mentioned project proposal in attached.

As per your communication the concerned faculty members are Principal Investigator Dr.S.KISHORE REDDY, Assistant Professor &Department of ECE, AVIH, Hyderabad. In this regard, we extend our facilities as well as sponsorship of Rs.1,00,000/-(One lakh Rupees only).

  
Thanks & regard,



<b>Content</b>	<b>Description</b>
Start Date:	29/11/2021
Project Title	DESIGN OF COVID 19 : FACE MASK DETECTION USING KERASES OPEN CV/TENSOR FLOW AND DEEP LEARNING USING AURDINO
Project Owner	S.KISHORE REDDY
Budgeted Amount:	1,00,000/-
Duration	5 months



## UTILIZATION CERTIFICATE

Academic Year: 2021-22

Certified that the grant of Rs. 1,00,000 /, received from MANAC InfoTech under the Seed Money Scheme, for the Research Project entitled "**Design Of Covid 19 : Face Mask Detection Using Keras Open Cv/Tensor Flow And Deep Learning Using Aurdino**" 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

PRINCIPAL

Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.

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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

**NAAC**  
NATIONAL ACHIEVEMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

Hyderabad,

Date: 07.04.2022.

From  
The Principal,  
Avanthi Institute of Engineering and Technology,  
Hyderabad.

To  
The Manager,  
MANAC InfoTech,  
Hyderabad.

Respected Sir,`

Sub: Project Completion-reg.

The project has been completed on a given time bond. It has been a great achievement by us to complete the prestigious project on time. It has been a great privilege, working in association with you and looking forward to working with you in future projects. We request you to please come along with your team for collecting, retrieving of important and confidential data.

Looking forward to a quick response from your side.

Thanking you,

Principal

PRINCIPAL

Avanthi Institute of Engg. & Tech.  
Gunthapally (V) Abdullapurmet (Mdl.), R.R. Dist.



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99637 77979

# AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Recognised by Govt. of Telangana & Affiliated to JNTU, Hyderabad)

Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.



Date: 02/12/2021,

TO  
The Manager,  
Manac InfoTech,  
Hyderabad.

Respected sir

Subject: - Request to sponsor the funds for research in the field of electronics reg.

Avanathi Institute of Engineering & Technology, Hyderabad is by Avanathi Educational society, established in the year 1991, with the able leadership of Sri M.Srinivasa Rao, came into being with a congregation of dedicated academicians and able administrators in the field of higher education and learning. This Institution has achieved accreditation status from National Board of accreditation for ECE, CSE, EEE, and UG Programmers. The society has grown into a large group of more than 13 educational institutions having student strength more than 20,000 pursuing education in the field of Engineering & Technology, Science, Commerce, IT,& Management under this fold. We have R&D CELL and Incubation center where research projects will be undertaken.

From this academic year, our organization is concentrating more on research projects, and we have good profile of faculty who are more interested to work in research and innovation activities. So if your organization is interested to sponsor for research to our institution we will be glad to work with you.

Hoping to work with you soon.

  
Thanks and Regards,

PRINCIPAL  
Avanathi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



## **Additional Information for Research proposal**

### **FACULTY PROFILE: S. SRAVANI**

S. SRAVANI has very good communication skills .He has good hand on experience in COMPUTER SCIENCE ENGINEEING specialization.

**Experience:**5 years

**Area of Interest in research:** COMPUTER SCIENCE ENGINEEING

Forward letter to:

- 1.Project investigator
- 2.All HOD's
- 3.Maintained of incubation center



PRINCIPAL

Avanthi Institute of Engg. & Tech.  
Guntihapally (V), Abdullapumet (Mdl.), R R. Dist.



Date: 04/12/2021,

To  
The Principal,  
Avanthi institute of Engineering & Technology,  
Hyderabad.

Sir

Subject: - Approval Letter for Financial Assistance for Project work entitled **"DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING ALGORITHM"**-Reg

MANAC InfoTech are very much pleased to see your application and are very much impressed with your faculty profile and research field. We are happy to inform you that the manager has approved your project proposal entitled "DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING ALGORITHM". We anticipate this project proposal may be of greater signify concerto the people in this era.

Complete details of corresponding project proposal are mentioned, check it and plan accordingly .the project proposal should complete in specified time and should submit the complete information on time.

As mentioned in the proposal he duration of the project is of six months. We wish you all the very best to finish the task in the given time. We request you to periodically submit progress reports regarding the project. After discussion with our committee members the budget is finalized for the mentioned project proposal in attached.

As per your communication the concerned faculty members are Principal Investigator S.SRAVANI, Assistant Professor & Department of CSE, AVIH, Hyderabad. In this regard, we extend our facilities as well as sponsorship of Rs.70,000/- ( Seventy thousand Rupees only).

  
Thanks & regard,



<b>Content</b>	<b>Description</b>
Start Date:	09/12/2021
Project Title	DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING ALGORITHM
Project Owner	S. SRAVANI
Budgeted Amount:	70000/-
Duration	6 months



## UTILIZATION CERTIFICATE

Academic Year: 2021-22

Certified that the grant of Rs. 70,000 /, received from Manac InfoTech under the Seed Money Scheme, for the Research Project entitled "**Detection Of Chronic Kidney Disease Using Machine Learning Algorithm**" 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

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



Hyderabad,

Date: 10.06.2022.

From  
The Principal,  
Avanathi Institute of Engineering and Technology,  
Hyderabad.

To  
The Manager,  
MANAC InfoTech,  
Hyderabad.

Respected Sir,`

Sub: Project Completion-reg.

The project has been completed on a given time bond. It has been a great achievement by us to complete the prestigious project on time. It has been a great privilege, working in association with you and looking forward to working with you in future projects. We request you to please come along with your team for collecting, retrieving of important and confidential data.

Looking forward to a quick response from your side.

Thanking you,

Principal

PRINCIPAL  
Avanathi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Vid.), R.R. Dist.



97047 55516  
99637 77979  
**AVANTHI INSTITUTE OF  
ENGINEERING & TECHNOLOGY**

(Approved by AICTE, Recognised by Govt. of Telangana & Affiliated to JNTU, Hyderabad)

Gunthopally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

Date: 13/07/2021,

TO  
The Manager,  
MANAC InfoTech,  
Hyderabad.

Respected sir

Subject: - Request to sponsor the funds for research in the field of electronics reg.

Avanthi Institute of Engineering & Technology, Hyderabad is by Avanthi Educational society, established in the year 1991, with the able leadership of Sri M.Srinivasa Rao, came into being with a congregation of dedicated academicians and able administrators in the field of higher education and learning. This Institution has achieved accreditation status from National Board of accreditation for ECE, CSE, EEE, and UG Programmes. The society has grown into a large group of more than 13 educational institutions having student strength more than 20,000 pursuing education in the field of Engineering & Technology, Science, Commerce, IT, & Management under this fold. We have R&D CELL and Incubation center where research projects will be undertaken.

From this academic year, our organization is concentrating more on research projects, and we have good profile of faculty who are more interested to work in research and innovation activities. So if your organization is interested to sponsor for research to our institution we will be glad to work with you.

Hoping to work with you soon.

  
Thanks and Regards,

**PRINCIPAL**  
Avanthi Institute of Engg. & Tech.  
Gunthopally (V) Abdullapurmet (Mdl), R.R. Dist

## **Additional Information for Research proposal**

**FACULTY PROFILE:** Dr Shaker Basha

Dr Shaker Basha has very good communication skills .He has good hand on experience in Computer science Engineering specialization.

**Experience:** 14 years

**Area of Interest in research:** Computer science Engineering

Forward letter to:

- 1.Project investigator
- 2.All HOD"s
- 3.Maintained of incubation center



PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Guntur-01, Abdullapurmet (Mdl.), R.R. Dist.

Date: 16/07/2021,

To  
The Principal,  
Avanathi institute of Engineering & Technology,  
Hyderabad.

Sir

Subject: - Approval Letter for Financial Assistance for Project work entitled "**A DATA MINING BASED MODEL FOR DETECTION OF FRAUDULENT BEHAVIOUR IN WATER CONSUMPTION**"-Reg

MANAC InfoTech are very much pleased to see your application and are very much impressed with your faculty profile and research field.

We are happy to inform you that the manager has approved your project proposal entitled " A DATA MINING BASED MODEL FOR DETECTION OF FRAUDULENT BEHAVIOUR IN WATER CONSUMPTION" We anticipate this project proposal may be of greater signify concerto the people in this era. Complete details of corresponding project proposal are mentioned, check it and plan accordingly the project proposal should complete in specified time and should submit the complete information on time.

As mentioned in the proposal he duration of the project is of five months. We wish you all the very best to finish the task in the given time. We request you to periodically submit progress reports regarding the project. After discussion with our committee members the budget is finalized for the mentioned project proposal in attached. After discussion with our committee members the budget is finalized for the mentioned project proposal in attached.

As per your communication the concerned faculty members are Principal Investigator Shaker Basha,Assistant Professor & Department of CSE,AVIH,Hyderabad. In this regard, we extend our facilities as well as sponsorship of Rs.60,000/- (Sixty Thousand Rupees only).

  
Thanks & regard





<b>Content</b>	<b>Description</b>
Start Date:	22/07/2021
Project Title	A Data Mining Based Model For Detection Of Fraudulent Behavior In Water Consumption
Project Owner	Dr Shaker Basha
Budgeted Amount:	60000/-
Duration	5 months



## UTILIZATION CERTIFICATE

Academic Year: 2021-22

Certified that the grant of Rs. 60,000 /, received MANAC InfoTech under the Seed Money Scheme, for the Research Project entitled " **A Data Mining Based Model For Detection Of Fraudulent Behavior In Water Consumption** " 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

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



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(Approved by AICTE, Recognised by Govt. of Telangana & Affiliated to JNTU, Hyderabad)

Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

Hyderabad,

Date: 30.12.2021.

From  
The Principal,  
Avanthi Institute of Engineering and Technology,  
Hyderabad.

To  
The Manager,  
MANAC InfoTech,  
Hyderabad.

Respected Sir,`

Sub: Project Completion-reg.

The project has been completed on a given time bond. It has been a great achievement by us to complete the prestigious project on time. It has been a great privilege, working in association with you and looking forward to working with you in future projects. We request you to please come along with your team for collecting, retrieving of important and confidential data.

Looking forward to a quick response from your side.

Thanking you,

Principal

**PRINCIPAL**

**Avanthi Institute of Engg. & Tech.**  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



Date: 13/07/2021,

TO  
The Manager,  
MANAC InfoTech,  
Hyderabad.

Respected sir

Subject: - Request to sponsor the funds for research in the field of electronics reg.

Avanthi Institute of Engineering & Technology, Hyderabad is by Avanthi Educational society, established in the year 1991, with the able leadership of Sri M.Srinivasa Rao, came into being with a congregation of dedicated academicians and able administrators in the field of higher education and learning. This Institution has achieved accreditation status from National Board of accreditation for ECE, CSE, EEE, and UG Programmers. The society has grown into a large group of more than 13 educational institutions having student strength more than 20,000 pursuing education in the field of Engineering & Technology, Science, Commerce, IT, & Management under this fold. We have R&D CELL and Incubation center where research projects will be undertaken.

From this academic year, our organization is concentrating more on research projects, and we have good profile of faculty who are more interested to work in research and innovation activities. So if your organization is interested to sponsor for research to our institution we will be glad to work with you.

Hoping to work with you soon

Thanks and Regards,

PRINCIPAL

Avanthi Institute of Engg & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist

## **Additional Information for Research proposal**

**FACULTY PROFILE:** Mr. L.SHIVA SHANKAR

Mr. L.SHIVA SHANKAR has very good communication skills .He has good hand on experience in Computer Science Engineering specialization.

**Experience:** 10 years

**Area of Interest in research:** Computer Science Engineering

Forward letter to:

- 1.Project investigator
- 2.All HOD's
- 3.Maintained of incubation center



PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.

Date:31/07/2021,

To  
The Principal,  
Avanathi institute of Engineering & Technology,  
Hyderabad.

Sir

Subject: - Approval Letter for Financial Assistance for Project work entitled  
**"TRAFFIC SIGN RECOGNITION WITH 95% ACCURACY USING CNN AND  
KERAS"-Reg**

MANAC InfoTech are very much pleased to see your application and are very much  
impressed with your faculty profile and research field.

We are happy to inform you that the manager has approved your project proposal  
entitled "TRAFFIC SIGN RECOGNITION WITH 95% ACCURACY USING CNN AND  
KERAS" We anticipate this project proposal may be of greater signify concerto the people in  
this era.Complete details of corresponding project proposal are mentioned, check it and plan  
accordingly .the project proposal should complete in specified time and should submit the  
complete information on time.

As mentioned in the proposal he duration of the project is of six months. We wish you all  
the very best to finish the task in the given time. We request you to periodically submit progress  
reports regarding the project. After discussion with our committee members the budget is  
finalized for the mentioned project proposal in attached.

As per your communication the concerned faculty members are Principal Investigator  
L.SHIVA SHANKAR, Assistant Professor &Department of CSE,AVIH,Hyderabad. In this  
regard, we extend our facilities as well as sponsorship of Rs.50,000/- ( Fifty Thousand Rupees  
only).



Thanks & regard



<b>Content</b>	<b>Description</b>
Start Date:	05/08/2021
Project Title	TRAFFIC SIGN RECOGNITION WITH 95% ACCURACY USING CNN AND KERAS
Project Owner	L.SHIVA SHANKAR
Budgeted Amount:	50000/-
Duration	6 months



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[Approved by AICTE, Recognised by Govt. of Telangana & Affiliated to JNTU, Hyderabad]

Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
B++ GRADE

## UTILIZATION CERTIFICATE

Academic Year: 2021-22

Certified that the grant of Rs. 50,000 /, received from MANAC InfoTech under the Seed Money Scheme, for the Research Project entitled "**Traffic Sign Recognition With 95% Accuracy Using Cnn And Keras**" 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

PRINCIPAL  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.





Hyderabad,

Date: 08.02.2022.

From  
The Principal,  
Avanthi Institute of Engineering and Technology,  
Hyderabad.

To  
The Manager,  
MANAC InfoTech,  
Hyderabad.

Respected Sir,

Sub: Project Completion-reg.

The project has been completed on a given time bond. It has been a great achievement by us to complete the prestigious project on time. It has been a great privilege, working in association with you and looking forward to working with you in future projects. We request you to please come along with your team for collecting, retrieving of important and confidential data.

Looking forward to a quick response from your side

Thanking you,

Principal

**PRINCIPAL**  
Avanthi Institute of Engg. & Tech.  
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.

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 Avanathi Institute of Engg. & Tech.  
 Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



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K.V. Reddy [Signature]

PARTNER(S)/AUTHORISED SIGNATORY

Please sign above



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[Signature]

PRINCIPAL  
 Avanthi Institute of Engg. & Tech.  
 Guntihapally (V), Abdullapurmet (Mdl.), R.R. Dist.