

3.1.3

Number of research projects per teacher
funded by Government and non government
agencies during the last five years

Academic Year
2013-2014



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 02-07-2013

Vijayawada

From

Dr.Y.Rajendra babu
Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on "**water load rheostat**" - Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled "**water load rheostat**" implementation with collaborating students H.BHUVANA SHUKRAMAIAH (09KT1A0214), EATHAKULA MANIDEEP (10KT1A0214), KOTHA RAMA LAKSHMI (10KT1A0224), MADUGULA CHANDRAKALA (10KT1A0227) of IV year B.Tech students.

The students can aware water is also a good conductor for and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

Dr.Y.Rajendra babu

Dept of EEE

Korav
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Iron rod	1	1000
2	Water Bucket	1	100
3	Salt water	1	100
4	Table	1	12800
5	Voltmeter	2	5000
6	Ammeter	2	5000
7	TERMINALS & MCB	1	1000

Total Budget 25,000

ksr
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Research Proposal



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Research Proposal

Research Area: Electricity through water

Topic: "water load rheostat"

Abstract:

The liquid (or water) rheostat has been widely used for many years as a secondary or rotor resistance for speed control of large wound rotor induction motors, as a test load of approximately unity power factor for small and medium-sized generating plants up to about 10000 kW, and as an accelerating rheostat for large DC motors. The principle of operation, the various types and configurations, and the most prevalent problems relating to this equipment is reviewed. It then describes the evolution of a particular type of liquid rheostat designed primarily for use as a test load in shipyards.

Keywords: Iron Rod, Table, Salt, Sand.

Name and Details Principal Investigator-1

Dr.Y.Rajendra babu
Professor

Signature of the Principal Investigator-1

Student Team:

1. H.BHUVANA SHUKRAMAIAH (09KT1A0214),
2. EATHAKULA MANIDEEP (10KT1A0214),
3. KOTHA RAMA LAKSHMI (10KT1A0224),
4. MADUGULA CHANDRAKALA (10KT1A0227)

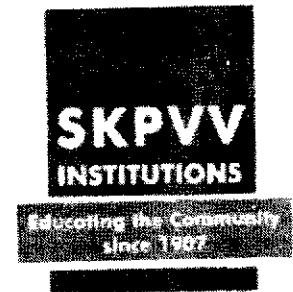
EEE HOD

Principal

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

GOPISSETTY MALLAIAH
General Secretary & Correspondent



To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:02-08-2013
Vijayawada


Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools Committee is pleased to grant an amount of Rs. 25,000/- (Rupees Twenty Five Thousand only) for the research work titled "Water Load Rheostat" to be carried out by the Department of EEE. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SKPVV.H.S. Schools Committee
Kothapet, VIJAYAWADA-520 001.

SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet VIJAYAWADA - 520 001 Phone : 0866 - 6699235



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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 17/9/2013

Vijayawada

From

Mr.B.Madhu Kiran
Associate Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on "**over load protection using dynamic programming**"- Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled "**over load protection using dynamic programming**" implementation with collaborating students ARIFA SULTANA (10KT1A0205) EATHAKULA MANIDEEP (10KT1A0214), MYLA NAGARAJU (10KT1A0231), YENDURI MOUNIKA (10KT1A0257) of IV year B.Tech students.

This Dynamic program helps to the function of distribution system under load protection and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely


Mr.B.Madhu Kiran
Dept of EEE


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Micro controller 89C51	1	1350
2	555Timer	1	450
3	Analog to Digital converter(ADC0808)	1	300
4	Current Transformer	1	1450
5	Electro Magnetic Relay	1	470
6	LED(Light emitting Diode)	5	125
7	Buzzer	1	256
8	Crystal Oscillator	1	1139
9	Full Bridge Rectifier	1	290
10	Reset Button	1	20
11	Board	1	150

Total Budget 6,000

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



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Research Proposal

Research Area: Distribution Power system

Topic: "Over load protection using dynamic programming"


Abstract:

In electronic appliances, overload causes many problems. The device may burn due to overload, overheating etc. This project is developed for the users to protect devices from overload. The main modules in this project are overload sensor and microcontroller. The overload Sensor (Current transformer) is connected with the load. The actual load to be used is already Set in the microcontroller. According to the power consumes by the load, the current transformers ends signal to the microcontroller. The microcontroller analyses the signal and if the load is beyond the particular limit, its ends signal to the buzzer through driver section. Thus the user can easily identify that the load is too high than the actual load.

Keywords: Dynamic programming, Energy management, Photovoltaic systems, Batteries, Load management
Solar power generation, System performance, Power system simulation, Costs Power generation

Name and Details Principal Investigator-1

Mr.B.Madhu Kiran
Associate Professor


Signature of the Principal Investigator-1

Student Team:

- 1) ARIFA SULTANA (10KT1A0205)
- 2) EATHAKULA MANIDEEP (10KT1A0214),
- 3) MYLA NAGARAJU (10KT1A0231),
- 4) YENDURI MOUNIKA (10KT1A0257)


EEE HOD


Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:2-10-2013

Dear Sir,


Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "Over Load Protection using Dynamic
Programming" to be carried out by the Department of EEE. The Committee
expects that such similar research works will be carried out by the faculty
members involving students for the benefit of the college in particular and for the
benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SKPVV.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.


PRINCIPAL
Potti Sriramulu Chalapathi Mallikharjun Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001 - Phone : 0866 - 6699235



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Date:15/12/2013

Vijayawada

From

Mr P.Manoj Kumar
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
PSCMR College of Engineering & Technology,
Kothapet,
Vijayawada-520 001.
Respected Sir,

Sub: Requesting proposal acceptance and fund for implementing research project on **"Power distribution line fault analyzer"**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled **"Power distribution line fault analyzer"** implementation with collaborating students KOTHA RAMA LAKSHMI (10KT1A0224), PARASA SINDHUJA (10KT1A0237), VUYYURU SANDEEP (10KT1A0254), YENDURI MOUNIKA (10KT1A0257) of IV year B.Tech students.

This Project helps to identify the problem to operator where it occurs and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Mr P.Manoj Kumar
Dept of EEE



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Transformer	1	1000
2	Power capacity	1	1500
3	Transistor	1	200
4	MAX 232	2	600
5	Full wave rectifier	1	500
6	Relay	1	500
7	LCD	1	1500
8	4N35 Optocoupler	1	200

Total Budget 6,000

K. Rao
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Research Proposal

Research Area: Power distribution system

Topic : " Power distribution line fault analyzer "

Abstract:

The main objective of this project is to detect the fault location in the power distribution system. In now days the main cause for the less efficiency for the distribution system is faults, mainly caused by lightning strokes and short circuits caused by the birds, and even by manual mistakes. These flaws in the distribution system can be effectively overcome by using the system developed by using the microcontroller based detection system. This is built by using 89C52 micro controller, interfaced with LCD display system, relay and a buzzer to indicate fault, by taking feedback from the distribution poles.

Keywords: -Distribution System, Unsymmetrical Faults, Sag, Microcontroller, GSM Card

Name and Details Principal Investigator-1

Mr P.Manoj Kumar
Assistant Professor

Signature of the Principal Investigator-1

Student Team:

- 1) KOTHA RAMA LAKSHMI (10KT1A0224),
- 2) PARASA SINDHUJA (10KT1A0237),
- 3) VUYYURU SANDEEP (10KT1A0254),
- 4) YENDURI MOUNIKA (10KT1A0257)

PRINCIPAL

**Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.**

GOPISSETTY MALLAIAH

General Secretary & Correspondent

**SKPVV
INSTITUTIONS**

Educating the Community
since 1907

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:6/1/2014
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "Power Distribution Line Fault Analyzer" to be
carried out by the Department of EEE. The Committee expects that such similar
research works will be carried out by the faculty members involving students for
the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.

Kotaw

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855. Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 04-02-2014

Vijayawada

From

S. Pradeep Kumar,
Assistant Professor,
Dept of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“DeviceControl Using Speech Recognition”**-Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“Device Control Using Speech Recognition”** implementation with collaborating four students of IV year B.Tech students.

This project highlights the development of a human voice command system that is able to activate the electrical appliances at home in wireless environment and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely
S. Pradeep Kumar
Dept of ECE

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Raspberry Pi	Module	1	3000
2	Voice module	Module	1	1500
3	Other miscellaneous components		few	500

Total Budget: 5000

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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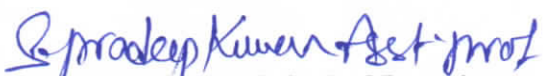
Research Proposal

Research Area: Signal Processing

Topic: "Device Control Using Speech Recognition"

Abstract:

This project highlights the development of a human voice command system that is able to activate the electrical appliances at home in wireless environment. The idea is to establish a wireless connection between a client computer and a server in a real application. It is developed especially to assist disabled person to do their house chores. Via the wireless communication system, this system utilizes the remote voice recognition system server to translate the voice input received from a serviced client computer into a symbolic data file to be processed by the client's computer. The wireless technology implemented in this project is the Wi-Fi network and the computer server utilizes the GUI manager for implementing the speech recognition system. The GUI system is developed using the Microsoft Visual Basic.net software and the speech recognition software used is the Microsoft Speech (SAPI). In conclusion, from the result analyses, the performance of the system depends on the wireless coverage and distance, voice input type and the environment condition.



Name and Details Principal Investigator-1



Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2


ECE HOD


Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA - 520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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GOPISSETTY MALLAIAH

General Secretary & Correspondent

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since 1907

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:11/2/2014
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.5,000/- (Rupees Five Thousand
Only) for the research work titled "Device Control using Speech Recognition" to
be carried out by the Department of ECE. The Committee expects that such
similar research works will be carried out by the faculty members involving
students for the benefit of the college in particular and for the benefit of the
society in general.

With best wishes,

Truly yours,


(GAMAILAIAH)
General Secretary & Correspondent
SKPVV Hindu High Schools Committee
Kothapet, VIJAYAWADA-520 001.



PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235

Academic Year
2014-2015



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Date:8-10-2014

Vijayawada

From

G.V. Ramanaiah,
Associate Professor,
Dept. of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

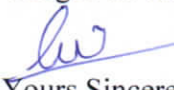
“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“ObjectFollower Using Computer Vision”**-Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“Object Follower Using Computer Vision”** implementation with collaborating four students of IV year B.Tech students.

This include face recognition and indexing, photo stylization or machine vision in self-driving carsand it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.


Yours Sincerely
G.V. Ramanaiah
Dept. of ECE



PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Camera	Video surveillance	1	4000
2	Objects	Tracking	5	2000

Total Budget: 6000

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Koraw

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Image Processing

Topic: "Object Follower Using Computer Vision"

Abstract:

Deep learning added a huge boost to the already rapidly developing field of computer vision. With deep learning, a lot of new applications of computer vision techniques have been introduced and are now becoming parts of our everyday lives. These include face recognition and indexing, photo stylization or machine vision in self-driving cars. The goal of this course is to introduce students to computer vision, starting from basics and then turning to more modern deep learning models. We will cover both image and video recognition, including image classification and annotation, object recognition and image search, various object detection techniques, motion estimation, object tracking in video, human action recognition, and finally image stylization, editing and new image generation. In course project, students will learn how to build face recognition and manipulation system to understand the internal mechanics of this technology, probably the most renown and oftenly demonstrated in movies and TV-shows example of computer vision and AI.

G.V. Ramanaiah
Name and Details Principal Investigator-1
Associate Professor

[Signature]
Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2

[Signature]
ECE HOD

[Signature]
Principal

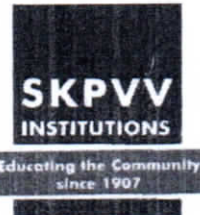
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

GOPISSETTY MALLAIAH
General Secretary & Correspondent



To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:11/10/2014
Vijayawada

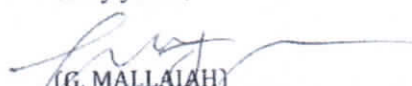
Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6,000/-(Rupees Six Thousand
Only) for the research work titled "Object follower using Computer Vision" to be
carried out by the Department of ECE. The Committee expects that such similar
research works will be carried out by the faculty members involving students for
the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.



PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology

SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date:1-10-2014

Vijayawada

From

Mr.K.Narendra
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

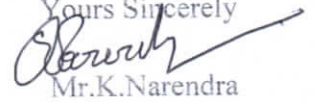
Sub: Requesting proposal acceptance and fund for implementing research project on "Earthing"-Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled "Earthing" implementation with collaborating students B. ANUSHA (10KT1A0210), D. APARNA (10KT1A0213), M. SAILAKSHMI (10KT1A0228) and SURESH KUMAR BANAVATU (11KT5A0205) of IV year B.Tech students.


This project helps to the People to effective functionality of seeding various material in the system and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely


Mr.K.Narendra

Dept of EEE


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1.	Gi Pipe	1	1000
2.	Di Wire	1	1500
3.	Salt, Coal	1	1500
4.	Iron Channels	1	5000
5.	Fiber Sheets	1	2000
6.	Sand, Chips	1	2000
7.	Welding	1	2000
8.	Plank	1	1000
9.	Connectors	1	500
10.	Load	1	13500

Total Budget 30,000

ksr
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Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Electrical System

Topic : " Earthing "

Abstract:

Grounding system is one of fundamental component for any electrical system to ensure the safety for device as well as human. This paper presents some initial works on portable grounding system, known Enhance Ground Electrode (E.G.E) to be used for portable electrical devices as well as distributed generation technologies. A prototype of E.G.E were developed based on two selected materials i.e. kaolin and bauxite for experimental testing and measurements. Lightning impulse test up to 50 kV has been conducted and the measurements of breakdown voltage were recorded. The experimental results show that the prototype of E.G.E functioning well at comparable performance to the conventional grounding system. It is also found that kaolin composite exhibits better performance compared to the bauxite.

Keywords: Electrodes, Sand, chips, coal, box

Name and Details Principal Investigator-1

Mr.K.Narendra
Assistant Professor

Signature of the Principal Investigator-1

Student Team:

- 1) B. ANUSHA (10KT1A0210),
- 2) D. APARNA (10KT1A0213),
- 3) M. SAILAKSHMI (10KT1A0228)
- 4) SURESH KUMAR BANAVATU (11KT5A0205)

EEE HOD

Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001

GOPISSETTY MALLAIAH

General Secretary & Correspondent

SKPVV
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To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:21/10/2014
Vijayawada


Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.30,000/- (Rupees Thirty Thousand
Only) for the research work titled "Eearthing" to be carried out by the
Department of EEE. The Committee expects that such similar research works will
be carried out by the faculty members involving students for the benefit of the
college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.

kslav

SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 10-07-2014

Vijayawada

From

Mr.V.Rajesh
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on **“Agricultural field monitoring and status update through IOT”**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“Agricultural field monitoring and status update through IOT”** implementation with collaborating students B. TANUJA (10KT1A0208), K. PHANEENDRA SAI (10KT1A0218), M.S.NAGA TILAK (10KT1A0229), and Y. SNEHALATHA (11KT5A0207) of IV year B.Tech students.

This IOT helps to the farmers to effective functionality of seeding various seeds in the fields and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

Mr.V.Rajesh

Dept of EEE

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Smart Farming	1	2000
2	Thing Speak Cloud	1	1500
3	Bluetooth Device	1	500
4	Water Tap	1	500
5	Chemicals	1	500
6	Motor	1	1000

Total Budget 6,000

PRINCIPAL
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College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Internet of Things

Topic: "Agricultural field monitoring and status update through IOT"

Abstract:

Agriculture is becoming an important growing sector throughout the world due to increasing population. Major challenge in agriculture sector is to improve farm productivity and quality of farming without continuous manual monitoring to meet the rapidly growing demand for food. Apart from increasing population, the climate change is also a big concern in agricultural sector. The purpose of this research work is to propose a smart farming method based on Internet of Things (IoT) to deal with the adverse situations. The smart farming can be adopted which offer high precision crop control, collection of useful data and automated farming technique. This work presents an intelligent agriculture field monitoring system which monitors soil humidity and temperature. After processing the sensed data it takes necessary action based on these values without human intervention. Here temperature and moisture of the soil are measured and these sensed values are stored in Thing Speak cloud for future data analysis.

Keywords: —Internet of Things, Smart Farming, Agriculture, and Thing Speak cloud.

Name and Details Principal Investigator-1

Mr.V.Rajesh
Assistant Professor

Signature of the Principal Investigator-1

Student Team:

- 1) B. TANUJA (10KT1A0208),
- 2) K. PHANEENDRA SAI (10KT1A0218),
- 3) M.S.NAGA TILAK (10KT1A0229)
- 4) Y. SNEHALATHA (11KT5A0207)

EEE HOD

Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:9/8/2014
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "Agriculture field monitoring and status
updating through IOT" to be carried out by the Department of EEE. The
Committee expects that such similar research works will be carried out by the
faculty members involving students for the benefit of the college in particular
and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.N. Schools Committee
Kothapet, VIJAYAWADA-520 001.



SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 01777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 15/7/2014

Vijayawada

From

Mrs MM Sushmitha
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on **“vehicle theft control system”**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“vehicle theft control system”** implementation with collaborating students Banki Vasu (11KT1A0201), Chepuri Sirisha (11KT1A0206), Kaniganti Sriharsha (11KT1A0218) and Lila Bista (11KT1A0223) of IV year B.Tech students.

This project helps to the common man for find the vehicle if theft and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

M.M. Sushmitha

Mrs MM Sushmitha

Dept of EEE

Principal
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Frame (Seeding)	1	3500
2	APM Board	1	2300
3	Brushless Motor (950rpm)	4	2000
4	ESC	4	1700
5	Lithium Polymer (5000mah, 12v)	1	5000
6	Propellers	4	400
7	Transmitter & Receiver (FSI6-Model)	1	5100

Total Budget 6,000

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Internet of Things

Topic : " vehicle theft control system "

Abstract:

The purpose of this project is to find the vehicle where it is and also you can stop that particular vehicle by sending a message .The entire system is hidden inside the vehicle , until unless authorized one comes and giving security code to that system. A keypad and a display is provided inside the vehicle. Using that we can switch on and switch off the vehicle. And also we can track the vehicle using this GSM modem. If the wrong password is entered, then the location of the vehicle is tracked by the GPS module and the message will be send to the owner of the vehicle.

Keywords: GSM and GPS, Tracking vehicle, Embedded Domain.

Name and Details Principal Investigator-1

Mrs MM Sushmitha
Assistant Professor

M.M. Sushmitha
Signature of the Principal Investigator-1

Student Team:

- 1) BANKI VASU(11KT1A0201)
- 2) CHEPURI SIRISHA (11KT1A0206)
- 3) KANIGANTI SRIHARSHA (11KT1A0218)
- 4) LILA BISTA (11KT1A0223)

[Signature]
EEE HOD

[Signature]
Principal
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

GOPISETTY MALLAIAH

General Secretary & Correspondent

**SKPVV
INSTITUTIONS**

Educating the Community
since 1907

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date: 14/10/2014
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "Vehicle Theft Control System" to be carried
out by the Department of EEE. The Committee expects that such similar research
works will be carried out by the faculty members involving students for the
benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.



**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235

Academic Year
2015-2016



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 01-07-2015

Vijayawada

From

B. Praveen Kittu,
Assistant Professor,
Dept. of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“Device Control Using Brain Signals”**-Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“Device Control Using Brain Signals”** implementation with collaborating four students of IV year B Tech students.

This project was a non-invasive EEG approach to implementing a BCI using different EEG signals generated by different mental states or body movement as the input and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Yours Sincerely

B. Praveen Kittu
Dept. of ECE



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	EEG Sensor	Microcontroller	2	6000
2	Arduino	Body	1	3000
3	connectors		few	1000

Total Budget: 10000

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PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Signal Processing

Topic: "Device control using brain signals"

Abstract:

Brain Computer Interface (BCI) is a system that creates a communication link between the human mind and computers or machines. This project was a non-invasive EEG approach to implementing a BCI using different EEG signals generated by different mental states or body movement as the input. Initially, a strong focus was put on the extraction and discrimination of the EEG signals between different responses for different states of the mind and body. For this approach, two different mental states (relaxed and conscious) were distinguished properly based on the subjects EEG responses. Then, the EEG responses for touching a conductor in different ways (with single finger, full hand grip) were analysed and categorized. To use these responses as control signals for devices or machines was obviously the next step. This was achieved by implementing an automated electric wheelchair controlled by EEG responses of the user where the control signals are defined (single finger touch - right turn, full hand grip - move forward and no touch at all - stop).

B. Praveen Kitti
Assistant Professor

Name and Details Principal Investigator-1

Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2

ECE HOD

Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

GOPISSETTY MALLAIAH

General Secretary & Correspondent

**SKPVV
INSTITUTIONS**

*Educating the Community
since 1907*

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date: 6/7/2015
Vijayawada


Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.10000/- (Rupees Ten Thousand
Only) for the research work titled "Device Control using Brain Signals" to be
carried out by the Department of ECE. The Committee expects that such similar
research works will be carried out by the faculty members involving students for
the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.S. Schools Committee
Kothapet, VIJAYAWADA-520 001.


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 29-06-2015

Vijayawada

From

T. Sireesha,
Assistant Professor,
Dept of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“Health monitoring using IoT”**-Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“Health monitoring using IoT”** implementation with collaborating four students of IV year B.Tech students.

This project is used to trace patient's health with the assistance of sensors and internet and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

T. Sireesha
Dept of ECE

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Arduino	Body	1	3500
2	Temperature sensor	Micro Controller	2	1000
3	ECG sensor	Micro Controller	2	1000
4	Connecting Wires		few	500

Total Budget 6000

D. Srinivasu

kesava

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "Health monitoring using IoT"

Abstract:

Health is the level of useful and metabolic potency of a living organism. In humans, it is the power of people or communities to adapt and self-manage once facing physical, mental, psychological and social changes. Keeping track of the health standing of the patient reception may be a troublesome task. Specially maturity patients ought to be sporadically monitored and their adored ones got to learn concerning their health standing from time to time whereas at work. During this paper, our objective is to trace patient's health with the assistance of sensors and internet. Internet is employed to tell their beloved if there is a drag. The health observation system can keep track of patient's pulse rate, eco rate of heart, pressure level rate, temperature etc. If system detects any abrupt changes in patient heartbeat or temperature, the system mechanically alerts the user concerning the patients standing over IoT and additionally shows details of heartbeat and temperature of patient live over the internet.

Keywords: Health Monitoring; Heart beat; blood pressure; pulse rate; illness; doctor.

T. Sireesha (Assistant
T. Sireesha (Profend))

Name and Details Principal Investigator-1

T. Sireesha

Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2


ECE HOD


Principal

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet - VIJAYAWADA-520 001.

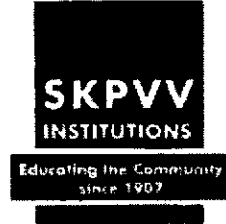


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GOPISSETTY MALLAIAH

General Secretary & Correspondent



To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:2/7/2015
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand Only) for the research work titled "Health Monitoring using IoT" to be carried out by the Department of ECE. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SKPVV.H.S. Schools Committee
Kothapet, VIJAYAWADA-520 001,

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date:20/11/2015

Vijayawada

From

Mr.N.Saida Naik
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on "**Line fault analyzer**"- Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled "**Line fault analyzer**" implementation with collaborating students D.KEERTHI (12KT1A0211), MD.BADARSULTANA (12KT1A0222), SALIPALLI PRIYANKA (12KT1A0232), SEELA ANIL (13KT5A0210) of IV year B.Tech students.

This Technique helps to the society people and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

Mr.N.Saida Naik
Dept of EEE

hsw
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Transformer	3	3000
2	Power capacity	2	3000
3	Transistor	5	1000
4	MAX 232	3	1500
5	Full wave rectifier	3	1500
6	Relay	3	1500
7	LCD	5	5500
8	4N35 Opto coupler	5	1000
9	Bread board	1	150
10	sensor	10	200
11	Bluetooth	1	150
12	9V battery	3	6500

Total Budget 25,000

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: scada system

Topic : " Line fault analyzer "

Abstract:

The main objective of this project is to detect the fault location in the power distribution system. In now a days the main cause for the less efficiency for the distribution system is faults, mainly caused by lightning strokes and short circuits caused by the birds, and even by manual mistakes. These flaws in the distribution system can be effectively overcome by using the system developed by using the microcontroller based detection system. This is built by using 89C52 micro controller, interfaced with LCD display system, relay and a buzzer to indicate fault, by taking feedback from the distribution poles.

Keywords: Drone, Wireless Remote location Accessing, Field mapping

Name and Details Principal Investigator-1

Mr.N.Saida Naik
Assistant Professor

Signature of the Principal Investigator-1

Student Team:

1. D.KEERTHI (12KT1A0211),
2. MD.BADARSULTANA (12KT1A0222),
3. SALIPALLI PRIYANKA (12KT1A0232),
4. SEELA ANIL (13KT5A0210)

EEE HOD

Principal

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:11/12/2015
Vijayawada


Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.25000/- (Rupees Twenty Five
Thousand Only) for the research work titled "Line Fault Analyser" to be carried
out by the Department of EEE. The Committee expects that such similar research
works will be carried out by the faculty members involving students for the
benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.



SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 61777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date:15/10/2015

Vijayawada

From

Mr.V.Matthew
Assistant Professor,
Dept of CSE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.
Respected Sir,

(Through proper channel)

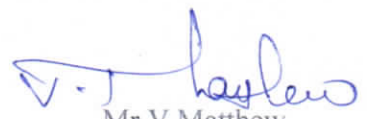
Sub: Requesting proposal acceptance and fund for implementing research project on **“home appliances control using IOT”**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled **“home appliances control using IOT”** implementation with collaborating students A. SAI SANTOSH (12KT1A0201), B. SIRISHA (12KT1A0206), K. BHARGAV (12KT1A0214), K. KUSUMA LAKSHMI (13KT5A0204) of IV year B.Tech students.

This IOT helps to the families to effective functionality of controlling the home appliances using IOT and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely


Mr.V.Matthew
Dept of EEE


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Arduino system	1	2000
2	Wi-Fi module	1	1000
3	Automation	1	1000
4	Relay	1	200
5	Bread board	1	200
6	wires	1	100
7	load	1	1500

Total Budget 6,000

luxaw
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855. Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: IOT

Topic : " home appliances control using IOT"

Abstract:

the design of IOT based home automation system using Wi-Fi. This research work presents the design and implementation of arduino based IOT based system. This is Wi-Fi based system and uses wireless technology (Wi-Fi). The system has three components: An arduino, a Wi-Fi module for signal transfer and smart phone for controlling web page server. The design is based on standalone arduino Wi-Fi board and appliances are connected to this board using relays, the smart phone interacts with the arduino via Wi-Fi. The aim of project is controlling the home appliances when the user is away from the place.

Keywords: Arduino system, Wi-Fi module, Automation, Home, Relay, Webpage server.

Name and Details Principal Investigator-1


Mr.V.Matthew
Assistant Professor


Signature of the Principal Investigator-1

Student Team:

- 1) A. SAI SANTOSH (12KT1A0201),
- 2) B. SIRISHA (12KT1A0206),
- 3) K. BHARGAV (12KT1A0214),
- 4) K. KUSUMA LAKSHMI (13KT5A0204)


EEE HOD


Principal
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:5/11/2015
Vijayawada


Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "Home Appliances control using IoT" to be
carried out by the Department of EEE. The Committee expects that such similar
research works will be carried out by the faculty members involving students for
the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.

hola

SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.

Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date:20/12/2015

Vijayawada

From

Mrs.L.Srujana
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on **“Optimal scheduling industrial task continuous load management for smart power utilization”**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“Optimal scheduling industrial task continuous load management for smart power utilization”** implementation with collaborating students AKULA SAISUSMITHA (12KT1A0202), PUPPALASAI BHAVANI (12KT1A0231), BHUKYA SITA RAM NAIK (13KT5A0201), KONGATHI SAILAJA (13KT5A0206) of IV year B.Tech students.

This project gives the how minimize and maintain the load management and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

Mrs.L.Srujana
Dept of EEE

hslaw
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	AT89C52 Micro Controller	1	1000
2	Real Time Clock (RTC) DS1302	1	1000
3	EEPROM-AT93C66	1	1000
4	Relay Drivers and Relays	1	200
5	Crystal Oscillator	1	350
6	Reset Logic	1	150
7	LCD Display	1	2000
8	Power Supply	1	150
9	Keypad	1	150

Total Budget 6,000

Linear
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Research Proposal

Research Area: Power Systems

Topic: "Optimal scheduling industrial task continuous load management for smart power utilization"

Abstract:

In the context of climate change and energy crisis around the world, an increasing amount of attention has been paid to developing clean energy and improving energy efficiency. The penetration of distributed generation (DG) is increasing rapidly on the user's side of an increasingly intelligent power system. This paper proposes an optimization method for industrial task-continuous load management in which distributed generation (including photovoltaic systems and wind generation) and energy storage devices are both considered. To begin with, a model of distributed generation and an energy storage device are built. Then, subject to various constraints, an operation optimization problem is formulated to maximize user profit, renewable energy efficiency, and the local consumption of distributed generation. Finally, the effectiveness of the method is verified by comparing user profit under different power modes.

Keywords: demand response; distributed generation; smart power utilization; task-continuous load

Name and Details Principal Investigator-1

Mrs.L.Srujana
Assistant Professor


Signature of the Principal Investigator-1

Student Team:

- 1) AKULA SAISUSMITHA (12KT1A0202),
- 2) PUPPALASAI BHAVANI (12KT1A0231),
- 3) BHUKYA SITA RAM NAIK (13KT5A0201),
- 4) KONGATHI SAILAJA (13KT5A0206)


Principal


Principal
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

GOPISSETTY MALLAIAH

General Secretary & Correspondent

SKPVV
INSTITUTIONS

Educating the Community
since 1907

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:4/1/2016
Vijayawada


Dear Sir,


Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/-(Rupees Six Thousand
Only) for the research work titled "Optimal Scheduling Industrial Task
Continuous Load Management For Smart Power Utilization" to be carried out by
the Department of EEE. The Committee expects that such similar research works
will be carried out by the faculty members involving students for the benefit of
the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.N.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Reddy
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



SRI LAKSHMI GANAPATHI *Engineering Works*

Ph : 08644 - 226470

E-mail : purchasing@kumarpumps.co.in

Plot Nos. 9 to 14, 123/1, 2, 3, 17 to 24, A.P. Industrial Estate, **TENALI - 522 202**. Guntur Dist., A.P.

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 10-07-2016

Dear Sir,

Sub: Request for the designing Chainless Cycle - Reg.

I have come to know that your college is working on outstanding research projects. In this context, I would like to make a request for the designing of **Chainless Cycle** project within a span of 3 months for which you can send a quotation with all terms and conditions. Looking forward for your acceptance,

Faithfully yours,

For Sri Lakshmi Ganapati Engineering Works,

M. Surya Narayana,
Managing Partner.

Encl: Project Specifications:



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The Managing Partner,
Sri Lakshmi Ganapati Engineering Works,
Plot no 9 to 14
Industrial Estate
Tenali, Guntur Dt. - 522002

Dt: 13-07-2016

Dear Sir,

Sub: Acceptance for the research work requested –reg.

I am very thankful for your faith in our college. I feel very delighted to accept your offer of designing of Chainless Cycle and complete the same within the given time frame. After discussing with the R & D team, we concluded to quote Rs. 15000/- for this project which can be paid after the completion of the same. The project is allotted to Mr. D.Prasad, Asst Professor you may contact him for further information and status related to the project.

Thanking you,

Yours truly,

Signature of the Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikarjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Encls: 1.Quotation
2. Material required



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

QUOTATION

To

Ref.No: PSCMRCET/MEC/2017

The Managing Partner

Date: 14-07-2016

Sri Lakshmi Ganapati Engineering Works,

Plot no 9 to 14

Industrial Estate

Tenali, Guntur Dt. - 522002

Dear Sir,

Sub: Quotation for Project Chainless Cycle -Reg.

We thank you for the above reference enquiry and have pleasure in submitting our quotation for the R&D work of Chainless Cycle under subjected to our terms and conditions given below.

S.No.	Description	Price
1	R&D Consultancy	15,000/-

Terms & Conditions:

1. Material to be Provided
2. Duration of R&D may vary.

Thanking you



Yours truly,


Authorized signatory



SRI LAKSHMI GANAPATHI *Engineering Works*

Ph : 08644 - 226470

E-mail : purchasing@kumarpumps.co.in

Plot Nos. 9 to 14, 123/1, 2, 3, 17 to 24, A.P. Industrial Estate, **TENALI - 522 202**. Guntur Dist., A.P.

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 22-07-2016

Dear Sir,

Sub: Acceptance of your proposed amount for the completion of the project – reg.

I am very happy to inform you that the amount quoted is accepted and the material required for the project will be supplied at the earliest. Looking forward for a quality output.

Thanking you, sir,

Yours Truly,

For Sri Lakshmi Ganapati Engineering Works,

M. Surya Narayana,
Managing Partner.



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The Managing Partner,
Sri Lakshmi Ganapati Engineering Works,
Plot no 9 to 14
Industrial Estate
Tenali, Guntur Dt. - 522002

Dt: 02-10-2016

Dear Sir,

Sub: Request to attend the demonstration of the completed project – reg.

I am pleased to inform you that the designing of Chainless Cycle is completed as per your requirements. In this context, I request you to attend the demo on 06-10-2016 at 10.00 A.M in our college. Looking forward for your visit at the earlist.

Thanking you, sir,

Yours truly,

Signature of the Principal

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001

Academic Year
2016-2017



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date:02-07-2016

Vijayawada

From

S. Pradeep Kumar,
Assistant Professor,
Dept. of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“Smart City Using IoT”**-Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“Smart City Using IoT”** implementation with collaborating four students of IV year B.Tech students.

Water management application needs for smart cities run the gamut from wastewater treatment to water monitoring to environmental restoration projects and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

S. Pradeep Kumar
Dept. of ECE

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
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D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Digi connect sensor	Water monitor	1	6000
2	Flow sensor	Water level monitoring	1	2000
3	Pump monitor	Pressure of water	1	1000
4	Digi connect wizard	Bluetooth	1	1000

Total Budget: 10000

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
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D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "Smart City Using IOT"

Abstract:

Water management application needs for smart cities run the gamut from wastewater treatment to water monitoring to environmental restoration projects. IoT applications are growing in these segments as governmental organizations and local municipalities seek to upgrade aging infrastructure, increase efficiency, improve visibility into remote tanks and water management processes, and reduce the cost of monitoring and servicing their assets. While there may not be a "typical" solution, as each of the use cases mentioned above has its own requirements, it's useful to look at the components of a sample application. This particular example shows how a gateway supplies the connectivity for a range of application needs, such as sensing flow rates, tank pressure and water levels. Digi Remote Manager® provides the remote management solution needed to monitor the components of the IoT device deployment, which may include a range of radio devices, system on modules (SOMs) and sensors.


Name and Details Principal Investigator-1


Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2


ECE HOD


Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

GOPISSETTY MALLAIAH
General Secretary & Correspondent



To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:6/7/2016
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools Committee is pleased to grant an amount of Rs.10000/- (Rupees Ten Thousand Only) for the research work titled "Smart City using IoT" to be carried out by the Department of ECE. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.S. Schools Committee
Kothapet, VIJAYAWADA-520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada

Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906

D.No. 7-3-81, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.

Voice : 0866-2423442, 91777 77855. Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 3-07-2016

Vijayawada

From

K. Sundar Srinivas,
Assistant Professor,
Dept. of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“TV DisplayControl Using LAN”**-Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“TV Display Control Using LAN”** implementation with collaborating four students of IV year B.Tech students.

This type of connection allows for large distances between the computer and the screens as it runs on standard Ethernet networks and it is implemented with low cost and high effectiveness. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely
K. Sundar Srinivas
Dept. of ECE

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	LAN	cable	1	1500
2	TV display	monitor	4	3000
3	Other products	For connections	few	1500

Total Budget: 6000

Done

know

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "TV display control using LAN"

Abstract:

HDMI over LAN technology allows us to extend a PC's desktop via a local area network (LAN), instead of having the screens connected directly to the PC. This type of connection allows for large distances between the computer and the screens as it runs on standard Ethernet networks. The technology was originally developed to allow sharing USB devices such as printers and storage devices. Today, with LAN speeds of 1GBps or higher, **HDMI over LAN** provides the possibility of connecting a relatively large number of screens through the same local area network with HDMI, VGA and DVI connections. (Also known as: 'VGA over LAN' or 'DVI over LAN'). By combining the advanced technology of **HDMI over LAN** with **Monitors Anywhere Connect**, digital signage has become simple and cost-effective: A single computer with a local area network connection is all you need to push your content onto a large number of screens simultaneously.

K. Sundar Srinivas, Asst. Prof
Name and Details Principal Investigator-1

[Signature]
Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2

[Signature]
ECE HOD

[Signature]
Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

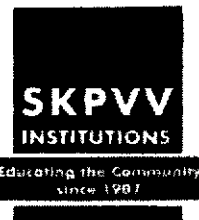


**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

GOPISSETTY MALLAIAH

General Secretary & Correspondent



To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:8/7/2016
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work "TV Display Control using LAN" to be carried out by
the Department of ECE. The Committee expects that such similar research works
will be carried out by the faculty members involving students for the benefit of
the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SKPVV Hindu High Schools Committee
Kothapet, VIJAYAWADA-520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-8/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 7-10-2016

Vijayawada

From

S.Pradeep Kumar,
Assistant Professor,
Dept. of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“Self-Controlled Pick and Place Robot”**-Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“Self-Controlled Pick and Place Robot”** implementation with collaborating four students of IV year B.Tech students.

This project work unravels the fact that man would always want to adhered to safety precautions at workplace and even in its environment, to be able to handle some specific tasks, like sending the robotic vehicle to hazardous environment to obtain samples for chemical analysis and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely
S. Pradeep Kumar
Dept. of ECE

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Aurdino Uno	Micro controller	3	2100
2	'HC -05 Bluetooth module	Bluetooth	1	800
3	Owi robot arm edge	robot	1	3430
4	Texas instruments	Motor driver	5	1050
5	batteries		3	1000
6	Connecting wires		few	1620

Total Budget: 10000

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "Self-Controlled Pick and Place Robot"

Abstract:

The design analysis of a Remote Controlled "Pick and Place" Robotic vehicle has been presented in this project. This project work unravels the fact that man would always want to adhered to safety precautions at workplace and even in its environment, to be able to handle some specific tasks, like sending the robotic vehicle to hazardous environment to obtain samples for chemical analysis. A typical Robotic Vehicle is capable of traveling over various terrains and traversing obstacles. In one embodiment, the design in this work, includes a Robotic arm of five Degree of Freedom with its base resting directly on top of the vehicle, a body having four drive wheels coupled to the ends thereof. The wheels are selectively powered to propel the vehicle. The design methodology involves the hardware, software part and implementation of both designs. A prototype of the obtained were very satisfactory. The use of Robots is highly recommended for Industries especially for safety and productivity reasons.

Keywords: Robotic Vehicle, Microcontroller, Joint Actuator, Remote, Control, "Pick and Place"


Name and Details Principal Investigator-1


Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2


ECE HOD


Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
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D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

GOPISETTY MALLAIAH

General Secretary & Correspondent



To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:12/10/2016
Vijayawada


Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools Committee is pleased to grant an amount of Rs.10000/- (Rupees Ten Thousand Only) for the research work titled "Self Controlled Pick and Place Robot" to be carried out by the Department of ECE. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SKPVV Hindu High Schools Committee
Kothapet, VIJAYAWADA 520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 10-10-2016

Vijayawada

From

T. Sireesha,
Assistant Professor,
Dept of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on
“Electrical Appliances Control Using IoT”-Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **“Electrical Appliances Control Using IoT”** implementation with collaborating four students of IV year B.Tech students.

This project provide fully smart environment condition monitoring by various sensors (Temperature, Humidity, Light and Level) for providing necessary data to automatically adjust the comfort levelling homes by optimizes use of energy and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely
T. Sireesha
Dept. of ECE

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA, 520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	ESP8266 Wi-Fi Module	Body	1	3500
2	Micro Controller	Micro Controller	4	250
3	Android Devices	Motors	2	2000
4	Relay	Motor Controlling	4	250

Total Budget: 6000

T. Sivaram

hscaw

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA - 520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "Electrical appliances control using IOT"

Abstract:

In the IoT, Things are expected to become active participants where they are able to interact and communicate among themselves by exchanging data and information sensed about the environment. For that they react autonomously to the real world events and provide services with or without direct human intervention. In this project we use IoT for energy efficient Environment conditions are sensing and controlling in Home. In this project we will see how to provide fully smart environment condition monitoring by various sensors (Temperature, Humidity, Light and Level) for providing necessary data to automatically adjust the comfort leveling homes by optimizes use of energy. We also use prediction here for automatically detection and resolution of any problem in the devices. For that we are using Naive Bayes classifier algorithm for data mining. It will send email or SMS to required technician for service and it will also notify the owner. This gives a huge advantage on the smart home systems using IoT.

Keywords: Internet of Things, Controller, Home Automation, Arduino, Mobile Application

T. Sireesha (Assistant
T. Sireesha Moten)

Name and Details Principal Investigator-1

T. Sireesha

Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2


ECE HOD


Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.

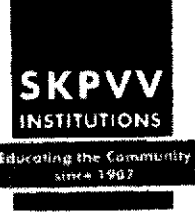


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GOPISSETTY MALLAIAH

General Secretary & Correspondent



To
The Principal
PSCMR College of Engineering and Technology Kothapet
Vijayawada - 520 001

Date: 15/10/2016
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "Electrical Appliances Control using IoT" to be
carried out by the Department of ECE. The Committee expects that such similar
research works will be carried out by the faculty members involving students for
the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SKPVV Hindu High Schools Committee
Kothapet, VIJAYAWADA-520 001,

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235

HRT BUILDERS

Builders & Developers

27-14-56, Raja Gopalachari Street, Governorpet, VIJAYAWADA - 520 002

Phone : 2571026, E-mail : hrtbuilders@gmail.com

Vijayawada,

Date:05/04/2017

To
The Principal
Potti Sriramulu Chalavadi Mallikarjunarao
College of Engineering & Technology,
Vijayawada.

Subject: Testing for Steel bars, Concrete and Soil for construction of sewage treatment

Sir,

HRT BUILDERS (Silicon Andhra foundations) are constructing a sewage treatment plants (C+G+4), Kuchipudi, Krishna district of Andhra Pradesh.

We request that following test for materials

- Tensile strength of Bars
- Compressive strength of Cubes
- Compressive strength of Cement motor cubes
- Soil Exploration

The needful test may kindly be done in this regard.

Thanking you sir.

Your sincerely,





**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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D.No. 7-3-6/1, Raghava Reddy Street, Kotha pet, Vijayawada - 520 001.

Voice : 0866-2423442, 91777 77855, Fax: 0866-2423443, E-mail: principal@pscmr.ac.in., Web: www.pscmr.as.in

Vijayawada

Date: 20/04/2017

To

The HRT Builders,

Vijayawada.

Subject: Material Testing request accept from HRT Builders (Silicon Andhra foundations) Regard.

Ref: Material test for sewage treatment, Kuchipudi, Krishna district of Andhra Pradesh on 05/04/2017.

Sir,

With reference to your letter cited above, the department of **Civil, Potti Sriramulu Chalavadi Mallikarjunarao College of Engineering & Technology, Vijayawada** is happy to accept the offer to test your material for sewage treatment plant. The following staff will interact with you to elicit the requirements and we hope to meet the delivery deadline.

Team members:

For Soil tests:

Prof.K V Lakshmi Narayana, HOD, Civil

Mr. M Sudhakar, Assistant professor, Civil

For compressive strength of cubes test and motor cubes test:

Prof. K V Lakshmi Narayana, HOD, Civil

Mr. P. Vinay, Assistant professor, Civil

Thanking You,

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001

HRT BUILDERS

Builders & Developers

27-14-56, Raja Gopalachari Street, Governorpet, VIJAYAWADA - 520 002

Phone : 2571026, E-mail : hrtbuilders@gmail.com

WORK ORDER

Purchase From: PSCMR College of Engineering & Technology Vijayawada. Andhra Pradesh -520001 REF: PSCMR/CIVIUGT/11- 18101 Email: mvpsudhakar@psmr.ac.in . Ph 094948889781	Delivery Shipping Address: HRT Builders (Silicon Andhra foundations) T.Rama Rao Email: hrtbuilders@gmail.com Phone: 0866-2571026	Date:20/04/2017 WO No: TPPUW0/1020 For: Material test for sewage treatment, Kuchipudi, Krishna district of Andhra Pradesh Silicon Pan: AAQTS2720R
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Billing address

HRT Builders

#27-14-56, Governorpet, HRT Builders, Vijayawada, PIN: 520002

SL.NO	Description
1	Drilling of NX dia borer hole in soil and furnishing necessary data in the bore log form as per IS 1892 by auger boring method and collecting disturbed / undisturbed /SPT soil samples @ every 1.5 metres interval from bore hole up to 10 m or up to hard rock whichever is earlier.
2	15cm × 15cm × 15cm compressive strength of cubes
3	70.06mm × 70.06mm × 70.06mm compressive strength of cement motor cubes
4	Tensile strength of bars (8mm, 10mm, 12mm 16mm and 32mm)

Note : The above rate inclusive of Transportation, Labour, Equipment and other expenses.

Terms & Conditions

- 1.Gross amounts are inclusive of all tax
2. Payment 100% within 3 days after sample taken at site.
- 3.The test report should contain the soil properties and SBC of the soil and other test report.
- 4.The report should be furnished immediately after 3 days of sample taken.
- 5.The date of sampling will be intimated 2 days in advance.
- 6.The specification will be as per quote.

Your sincerely,

T Rama Rao





POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY

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Vijayawada

Date: 20/04/2017

For:

MATERIAL TEST FOR SEWAGE TREATMENT, KUCHIPUDI, KRISHNA DISTRICT OF ANDHRA PRADESH

QUOTATION

Sl.No	DESCRIPTION	AMOUNT WITHOUT ANY TAX
1.	SUB SOIL INVESTIGATION AND RECOMMENDATION FOR THE FOUNDATION OF CONSTRUCTION OF SEWAGE TREATMENT PLANTS (C+G+4), KUCHIPUDI, KRISHNA DISTRICT OF ANDHRA PRADESH	Rs.24,000/-
2.	TESTING RESULTS ON TENSILE STRENGTH OF STEEL BARS FOR CONSTRUCTION OF SEWAGE TREATMENT PLANTS (C+G+4), KUCHIPUDI, KRISHNA DISTRICT OF ANDHRA PRADESH.	Rs.33,750/-
3.	TESTING RESULTS ON COMPRESSIVE STRENGTH OF CONCRETE CUBES FOR CONSTRUCTION OF SEWAGE TREATMENT PLANTS (C+G+4), KUCHIPUDI, KRISHNA DISTRICT OF ANDHRA PRADESH	Rs.10,000/-
4.	TESTING RESULTS ON COMPRESSIVE STRENGTH OF CEMENT CUBES FOR CONSTRUCTION OF SEWAGE TREATMENT PLANTS (C+G+4), KUCHIPUDI, KRISHNA DISTRICT OF ANDHRA PRADESH	Rs.10,000/-
Total		Rs.77,750/-

PRINCIPAL

Potti Srimulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Date:24/12/2016

Vijayawada

From

Dr.Y.Rajendra babu
Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on “Solar Boat”-
Reg.

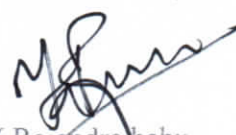
As the part of effective research contribution in our college, I would like to propose a research project on drone entitled “Solar Boat” implementation with collaborating students BODALA JOSEPH THUMBI (14KT5A0208), PRATTIPATI RAMBABU (14KT5A0227), ULAVA DURGA RAO (14KT5A0233), VEMURI PAVAN KUMAR (14KT5A0236) of IV year B.Tech students.

This solar system helps to the farmers to effective functionality watering in the fields and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.


Dr.Y.Rajendra babu
Dept of EEE



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Solar panels	1	7000
2	LED light	3	3000
3	Rechargeable battery	3	8000
4	Controller	1	5000
5	Supporting rods	1	2000
6	Interconnecting cables	15	1000
7	Motor	1	20000
8	Boat	1	29000

Total Budge 75,000

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Solar Systems

Topic : " Solar Boat "

Abstract:

The environment awareness has been developed worldwide so progressively and turns into the instant needs over the last few years. Researchers in all disciplines have a particular responsibility of development which is environmentally friendly and lead towards sustainable future development. Solar energy is a cosmic renewable energy source which has massive energy existing as heat and light and can convert it into electricity. Besides the domestic uses, solar power can be utilized as the alternative of the oil in boat's fuel and capable of minimizing the water pollution and fuel cost as well. The purpose of this research is to design and fabricate a boat based on solar power. The boat will be conducted by the energy processed from solar by minimizing environmental pollution and fuel cost. Besides, for any cloudy or emergency condition, a backup power system integrated with the photovoltaic cell will drive the boat to make the system more secured. Both mechanical and electrical part of the boat has been designed which is found more reliable, efficient and economic.

Keywords: Eco-friendly Ocean, Fuel Consumption Reduction, Solar Tracking System

Name and Details Principal Investigator-1

Dr.Y.Rajendra babu
Professor

Signature of the Principal Investigator-1

Student Team:

- 1) BODALA JOSEPH THUMBI (14KT5A0208),
- 2) PRATTIPATI RAMBABU (14KT5A0227),
- 3) ULAVA DURGA RAO (14KT5A0233),
- 4) VEMURI PAVAN KUMAR (14KT5A0236)

EEE HOD

Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:11/1/2017
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.75000/- (Rupees Seventy Five
Thousand Only) for the research work titled "Solar Boat" to be carried out by the
Department of EEE. The Committee expects that such similar research works will
be carried out by the faculty members involving students for the benefit of the
college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.V.V.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.



SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



P. S. S. R. M. COLLEGE OF ENGINEERING & TECHNOLOGY

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D No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail : principal@pscmr.ac.in, www.pscmr.ac.in

Date: 20-12-2016

Vijayawada

From

Mrs. A. Sai Pallavi
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.
Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on **"DC motor speed and direction control using aurdino and Bluetooth"**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **"DC motor speed and direction control using aurdino and Bluetooth"** implementation with collaborating students A. SAI CHANDU (14KT5A0201), B. SAI KUMAR (14KT5A0205), CH. SRIKANTH (14KT5A0213), and S. SIVAREDDY (14KT5A0228) of IV year B.Tech students.

This Project helps to the farmers to effective functionality of seeding various seeds in the fields and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

Sai Pallavi A.
Mrs. A.Sai Pallavi

Principal
PRINCIPAL
P. S. S. R. M. College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Dept of EEE



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Arduino Uno	1	6500
2	HC-06 Bluetooth device	1	5400
3	L293D Motor Controller IC	2	2500
4	DC Motors	2	10500
5	9V battery	3	3500
6	Connecting wires	15	1200
7	Breadboard	2	400

Total Budget 30,000

hscw
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Robotics

Topic : " DC motor speed and direction control using aurdino and Bluetooth "

Abstract:

Bluetooth based dc motor speed and direction control using arduino , in this embedded systems project, we are going to control the motors using the hc-06 bluetooth device and the android app. Whenever the button will be pressed on the android app, the arduino will receive the data through the serial communication and will compare this data with the already saved in the data. If the data will match, then the code written inside that function will be executed and the motors will run according to that. The app that we are going to use is the blueterm.

Keywords: aurdino, Bluetooth, Wireless Remote location Accessing, Field mapping

Name and Details Principal Investigator-1

Mrs. A. Sai Pallavi
Assistant Professor


Signature of the Principal Investigator-1

Student Team:

- 1) A. SAI CHANDU (14KT5A0201)
- 2) B. SAI KUMAR (14KT5A0205)
- 3) CH. SRIKANTH (14KT5A0213)
- 4) S. SIVAREDDY (14KT5A0228)


EEE HOD


Principal
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:4/1/2017
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "DC Motor Speed and Direction Control using
Aurdino and Bluetooth" to be carried out by the Department of EEE. The
Committee expects that such similar research works will be carried out by the
faculty members involving students for the benefit of the college in particular
and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARAMAN
HINDU HIGH SCHOOLS COMMITTEE
Kothapet, VIJAYAWADA-520 001,


PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARAMAN
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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D.No. 7-5-5/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855 Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 11-01-2017

Vijayawada

From

Sk.Musthak Ahmed
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
PSCMR College of Engineering & Technology,
Kothapet,
Vijayawada-520 001.
Respected Sir,

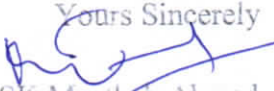
Sub: Requesting proposal acceptance and fund for implementing research project on **"intelligent monitoring and control rendered to streetlight based on the wireless networks by using solar energy tracking"**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **"intelligent monitoring and control rendered to streetlight based on the wireless networks by using solar energy tracking"** implementation with collaborating students BHOGI REDDY NAGA SAI DILIP (14KT5A0206), CHINTALAPUDI DURGA PRASAD (14KT5A0214), MOHAMMAD RAZIYA (14KT5A0219), SINGAM SRAVAN KUMAR (14KT5A0229) of IV year B.Tech students.

This IOT helps to the electrical maintainer to effective functionality of streetlight in various the fields and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Yours Sincerely

SK. Musthak Ahmed

Dept of EEE



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Solar panels	1	7000
2	LED light	1	3000
3	Rechargeable battery	3	8000
4	Controller	1	5000
5	Pole	1	2000
6	Interconnecting cables	15	5000

Total Budget 30,000

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Research Proposal

Research Area: IOT

Topic : " intelligent monitoring and control rendered to streetlight based on the wireless networks by using solar energy tracking "

Abstract:

The proposed remote-control system can optimize management and efficiency of street lighting systems. It uses ZIGBEE based wireless devices which enable more efficient street lamp-system management, thanks to an advanced interface and control architecture. It uses a sensor combination to control and guarantee the desired system parameters; the information is transferred point by point using ZIGBEE transmitters and receivers and is sent to a control terminal used to check the state of the street lamps and to take appropriate measures in case of failure.

Keywords: Automation, Control System, Lighting System, Sensors, Wireless Networks, ZIGBEE.

Name and Details Principal Investigator-1

Sk.Musthak Ahmed
Assistant Professor

Signature of the Principal Investigator-1

Student Team:

- 1) BHOGI REDDY NAGA SAI DILIP (14KT5A0206),
- 2) CHINTALAPUDI DURGA PRASAD (14KT5A0214),
- 3) MOHAMMAD RAZIYA (14KT5A0219),
- 4) SINGAM SRAVAN KUMAR (14KT5A0229)

EEE HOD

Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

GOPISSETTY MALLAIAH

General Secretary & Correspondent

SKPVV
INSTITUTIONS

Educating the Community
since 1907

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:2/2/2017
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "Intelligent Monitoring And Control Rendered
To Streetlight Based On The Wireless Networks By Using Solar Energy Tracking"
to be carried out by the Department of EEE. The Committee expects that such
similar research works will be carried out by the faculty members involving
students for the benefit of the college in particular and for the benefit of the
society in general.

With best wishes,

Truly yours,

(G. MALLAIAH)

General Secretary & Correspondent
S.P.V.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.

K. S. Rao
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Reddy
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 04-10-2015

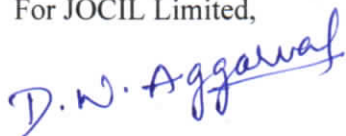
Dear Sir,

Sub: Request for the designing Automatic seed sowing machine – Reg.

I have come to know that your college is working on outstanding research projects. In this context, I would like to make a request for the designing of Automatic seed sowing machine within a span of 3 months for which you can send a quotation with all terms and conditions. Looking forward for your acceptance,

Faithfully yours,

For JOCIL Limited,

A handwritten signature in blue ink, reading "D.N. Aggarwal". The signature is written in a cursive style with a horizontal line underlining the name.

D.N. Aggarwal,
General Manager-Development

Encl: Project Specifications:



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The General Manager - Development
JOCIL Ltd.
Post box no 216
Arundelpet P.O
Guntur - 522002

Dt: 12-10-2015

Dear Sir,

Sub: Acceptance for the research work requested –reg.

I am very thankful for your faith in our college. I feel very delighted to accept your offer of designing of Automatic seed sowing machine and complete the same within the given time frame. After discussing with the R & D team, we concluded to quote Rs. 10,000/- for this project which can be paid after the completion of the same. The project is allotted to Ms. C.Srilatha, Asst Professor you may contact her for further information and status related to this project.

Thanking you,

Yours truly,

Signature of the Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Encls: 1.Quotation
2. Material required



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

QUOTATION

To

The General Manager - Development

JOCIL Ltd.

Post box no 216

Arundelpet P.O

Guntur - 522002

Dear Sir,

Sub: Quotation for Project Automatic seed sowing machine -Reg.

Ref.No: PSCMRCET/MEC/2016

Date: 15.10.2015

We thank you for the above reference enquiry and have pleasure in submitting our quotation for the R&D work of Abrasive Jet machining under subjected to our terms and conditions given below.

S.No.	Description	Price
1	R&D Consultancy	10,000/-

Terms & Conditions:

1. Material to be Provided
2. Duration of R&D may vary.

Thanking you

Your Sincerely,

Authorized signatory





To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 25-10-2015

Dear Sir,

Sub: Acceptance of your proposed amount for the completion of the project – reg.

I am very happy to inform you that the amount quoted is accepted and the material required for the project will be supplied at the earliest. Looking forward for a quality output.

Thanking you, sir,

Yours Truly,

For JOCIL Limited,

A handwritten signature in blue ink, reading "D.N. Aggarwal".

D.N. Aggarwal,

General Manager-Development



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The General Manager - Development
JOCIL Ltd.
Post box no 216
Arundelpet P.O
Guntur - 522002

Dt: 28-12-2015

Dear Sir,

Sub: Request to attend the demonstration of the completed project – reg.

I am pleased to inform you that the designing of Automatic seed sowing machine is completed as per your requirements. In this context, I request you to attend the demo on 04-01-2016 at 10.00 A.M in our college. Looking forward for your visit at the earlist.

Thanking you, sir,

Yours truly,

Signature of the Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 13-07-2016

Dear Sir,

Sub: Request for the designing Abrasive Jet machining – Reg.

I have come to know that your college is working on outstanding research projects. In this context, I would like to make a request for the designing of Abrasive Jet machine within a span of 3 months for which you can send a quotation with all terms and conditions. Looking forward for your acceptance,

Faithfully yours,

For JOCIL Limited,

MM. Patel,
General Manager-Development


Encl: Project Specifications:



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The General Manager - Development
JOCIL Ltd.
Post box no 216
Arundelpet P.O
Guntur - 522002

Dt: 16-07-2016

Dear Sir,

Sub: Acceptance for the research work requested –reg.

I am very thankful for your faith in our college. I feel very delighted to accept your offer of designing of Abrasive Jet machining and complete the same within the given time frame. After discussing with the R & D team, we concluded to quote Rs. 15000/- for this project which can be paid after the completion of the same. The project is allotted to Mr. Chaitanya, Asst Professor you may contact him for further information and status related to this project.

Thanking you,

Yours truly,

Signature of the Principal

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Encls: 1.Quotation
2. Material required



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

QUOTATION

To

The General Manager - Development

JOCIL Ltd.

Post box no 216

Arundelpet P.O

Guntur - 522002

Dear Sir,

Sub: Quotation for Project Abrasive Jet machining -Reg.

Ref.No: PSCMRCET/MEC/2016

Date: 16.07.2016

We thank you for the above reference enquiry and have pleasure in submitting our quotation for the R&D work of Abrasive Jet machining under subjected to our terms and conditions given below.

S.No.	Description	Price
1	R&D Consultancy	15,000/-

Terms & Conditions:

1. Material to be Provided
2. Duration of R&D may vary

Thanking you



Your Sincerely,


Authorized signatory



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The General Manager - Development
JOCIL Ltd.
Post box no 216
Arundelpet P.O
Guntur - 522002

Dt: 22-12-2016

Dear Sir,

Sub: Request to attend the demonstration of the completed project – reg.

I am pleased to inform you that the designing of Abrasive Jet machining is completed as per your requirements. In this context, I request you to attend the demo on 28-12-2016 at 10.00 A.M in our college. Looking forward for your visit at the earlist.

Thanking you, sir,

Yours truly,

Signature of the Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjunā Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 23-07-2016

Dear Sir,

Sub: Acceptance of your proposed amount for the completion of the project – reg.

I am very happy to inform you that the amount quoted is accepted and the material required for the project will be supplied at the earliest. Looking forward for a quality output.

Thanking you, sir,

Yours Truly,

For JOCIL Limited,


MM. Patel,

General Manager-Development

A Subsidiary of The Andhra Sugars Limited

Factory & Regd. Office DOKIPARRU, GUNTUR-522 438, AP
CIN L28990AP1978PLC002260 • GSTIN 37AAACJ5606L1ZF

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date: 12/1/17
Vijayawada

Dear Sir,

Sub: Award of grant for Abrasive Jet machining project to be carried at PSCMR College of Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, JOCIL development department is pleased to grant an amount of Rs.15,000/- (Rupees fifteen thousand only) for the research work titled “**Abrasive Jet Machining**” to be carried out by the Department of Mechanical. The organization expects that the similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

Yours Truly,
For JOCIL Limited,


MM. Patel,
General Manager-Development



SRI LAKSHMI GANAPATHI *Engineering Works*

Ph : 08644 - 226470

E-mail : purchasing@kumarpumps.co.in

Plot Nos. 9 to 14, 123/1, 2, 3, 17 to 24, A.P. Industrial Estate, **TENALI - 522 202**. Guntur Dist., A.P.

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 11-09-2016

Dear Sir,

Sub: Request for the designing Multi Fuel bike - Reg.

I have come to know that your college is working on outstanding research projects. In this context, I would like to make a request for the designing of Multi Fuel Bike project within a span of 3 months for which you can send a quotation with all terms and conditions. Looking forward for your acceptance,

Faithfully yours,

For Sri Lakshmi Ganapati Engineering Works,

M. Surya Narayana,
Managing Partner.

Encl: Project Specifications:



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The Managing Partner,
Sri Lakshmi Ganapati Engineering Works,
Plot no 9 to 14
Industrial Estate
Tenali, Guntur Dt. - 522002

Dt: 18-09-2016

Dear Sir,

Sub: Acceptance for the research work requested –reg.

I am very thankful for your faith in our college. I feel very delighted to accept your offer of designing of Multi Fuel bike and complete the same within the given time frame. After discussing with the R & D team, we concluded to quote Rs. 45000/- for this project which can be paid after the completion of the same. The project is allotted to Ms. Malavika, Asst Professor you may contact her for further information and status related to the project.

Thanking you,

Yours truly,

Signature of the Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Encls: 1.Quotation
2. Material required



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
QUOTATION
ISO 9001 : 2015

To

Ref.No: PSCMRCET/MEC/2017

The Managing Partner

Date: 12-09-2016

Sri Lakshmi Ganapati Engineering Works,

Plot no 9 to 14

Industrial Estate

Tenali, Guntur Dt. - 522002

Dear Sir,

Sub: Quotation for Project Multi Purpose machine -Reg.

We thank you for the above reference enquiry and have pleasure in submitting our quotation for the R&D work of Multi Fuel bike under subjected to our terms and conditions given below.

S.No.	Description	Price
1	R&D Consultancy	45,000/-

Terms & Conditions:

1. Material to be Provided
2. Duration of R&D may vary.

Thanking you

Your Sincerely,

Authorized signatory





SRI LAKSHMI GANAPATHI *Engineering Works*

Plot Nos. 9 to 14, 123/1, 2, 3, 17 to 24, A.P. Industrial Estate, **TENALI** – 522 202. Guntur Dist., A.P.

Ph : 08644 - 226470

E-mail : purchasing@kumarpumps.co.in

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 02-09-2016

Dear Sir,

Sub: Acceptance of your proposed amount for the completion of the project – reg.

I am very happy to inform you that the amount quoted is accepted and the material required for the project will be supplied at the earliest. Looking forward for a quality output.

Thanking you, sir,

Yours Truly,

For Sri Lakshmi Ganapati Engineering Works,

M. Surya Narayana,
Managing Partner.



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The Managing Partner,
Sri Lakshmi Ganapati Engineering Works,
Plot no 9 to 14
Industrial Estate
Tenali, Guntur Dt. - 522002

Dt: 18-1-2017

Dear Sir,

Sub: Request to attend the demonstration of the completed project – reg.

I am pleased to inform you that the designing of Multi Fuel bike is completed as per your requirements. In this context, I request you to attend the demo on 22-1-2017 at 10.00 A.M in our college. Looking forward for your visit at the earlist.

Thanking you, sir,

Yours truly,

Signature of the Principal

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kotapet, Vijayawada



SRI LAKSHMI GANAPATHI Engineering Works

Ph : 08644 - 226470

E-mail : purchasing@kumarpumps.co.in

Plot Nos. 9 to 14, 123/1, 2, 3, 17 to 24, A.P. Industrial Estate, **TENALI - 522 202**, Guntur Dist., A.P.

To

The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date: 3/2/17
Vijayawada

Dear Sir,

Sub: Award of grant for Multi Fuel bike project to be carried at PSCMR College of Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, Sri Lakshmi Ganapati Engineering Works, a dealer of M/s Kumar Pumps is pleased to grant an amount of Rs.45,000/-(Rupees forty five thousand only) for the research work titled “**Multi fuel Bike**” to be carried out by the Department of Mechanical. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society.

Yours Truly,

For Sri Lakshmi Ganapati Engineering Works,

M. Surya Narayana,
Managing Partner.

Academic Year
2017-2018

HRT BUILDERS

Builders & Developers

27-14-56, Raja Gopalachari Street, Governorpet, VIJAYAWADA - 520 002

Phone : 2571026, E-mail : hrtbuilders@gmail.com

Vijayawada,

Date:05/05/2017

To
The Principal
Potti Sriramulu Chalavadi Mallikarjunarao
College of Engineering & Technology,
Vijayawada.

Subject: Testing for Steel bars and Concrete for Sanjeevani Multi-Speciality Hospital Kuchipudi, Krishna District of Andhra Pradesh (Silicon Andhra foundations)

Sir,

HRT BUILDERS (Silicon Andhra foundations) are Sanjeevani Multi-Speciality Hospital Kuchipudi, Krishna District of Andhra Pradesh

We request that following test for materials

- Tensile strength of Bars
- Compressive strength of Cubes
- Compressive strength of Cement motor cubes

The needful test may kindly be done in this regard.

Thanking you sir.

Your sincerely,





**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada.

Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906.

D.No. 7-3-6/1, Raghava Reddy Street, Kotha pet, Vijayawada - 520 001.

Voice : 0866-2423442, 91777 77855, Fax: 0866-2423443, E-mail: principal@pscmr.ac.in., Web: www.pscmr.as.in

Vijayawada

Date: 07/05/2017

To

The HRT Builders,

Vijayawada.

Subject: Material Testing request accept from HRT Builders (Silicon Andhra foundations) Regard.

Ref: Material test for sewage treatment, Kuchipudi, Krishna district of Andhra Pradesh on 05/04/2017.

Sir,

With reference to your letter cited above, the department of **Civil, Potti Sriramulu Chalavadi Mallikarjunarao College of Engineering & Technology, Vijayawada** is happy to accept the offer to test your material for sewage treatment plant. The following staff will interact with you to elicit the requirements and we hope to meet the delivery deadline.

Team members:

For Soil tests:

Prof.K V Lakshmi Narayana, HOD, Civil

Mr. M Sudhakar, Assistant professor, Civil

For compressive strength of cubes test and motor cubes test:

Prof. K V Lakshmi Narayana, HOD, Civil

Mr. P. Vinay, Assistant professor, Civil

Thanking You,

PRINCIPAL

**Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001**

HRT BUILDERS

Builders & Developers

27-14-56, Raja Gopalachari Street, Governorpet, VIJAYAWADA - 520 002

Phone : 2571026, E-mail : hrtbuilders@gmail.com

WORK ORDER

Purchase From: PSCMR College of Engineering & Technology Vijayawada. Andhra Pradesh -520001 REF: PSCMR/CIVIUGT/11- 18101 Email: mvpsudhakar@psmr.ac.in . Ph 094948889781	Delivery Shipping Address: HRT Builders (Silicon Andhra foundations) T.Rama Rao Email: hrtbuilders@gmail.com Phone: 0866-2571026	Date:06/05/2017 WO No: TPPUW0/1020 For: HRT BUILDERS (Silicon Andhra foundations) are Sanjeevani Multi-Speciality Hospital Kuchipudi, Krishna District of Andhra Pradesh Silicon Pan: AAQTS2720R
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Billing address

HRT Builders #27-14-56, Governorpet, HRT Builders, Vijayawada, PIN: 520002	
Sl.NO	Description
1.	15cm × 15cm × 15cm compressive strength of cubes
2.	70.06mm × 70.06mm × 70.06mm compressive strength of cement motor cubes
3.	Tensile strength of bars (8mm, 10mm, 12mm 16mm and 32mm)

Note : The above rate inclusive of Transportation, Labour, Equipment and other expenses.

Terms & Conditions

- 1.Gross amounts are inclusive of all tax
2. Payment 100% within 3 days after sample taken at site.
- 3.The test report should contain the soil properties and SBC of the soil and other test report.
- 4.The report should be furnished immediately after 3 days of sample taken.
- 5.The date of sampling will be intimated 2 days in advance.
- 6.The specification will be as per quote.

Your sincerely,

T Rama Rao





POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada.

Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906.

D.No. 7-3-6/1, Raghava Reddy Street, Kotha pet, Vijayawada - 520 001.

Voice : 0866-2423442, 91777 77855, Fax: 0866-2423443, E-mail: principal@pscmr.ac.in., Web: www.pscmr.as.in

Vijayawada

Date: 20/04/2017

For:

MATERIAL TEST FOR SANJEEVANI MULTI-SPECIALITY HOSPITAL KUCHIPUDI,
KRISHNA DISTRICT OF ANDHRA PRADESH

QUOTATION

Sl.No	DESCRIPTION	AMOUNT WITHOUT ANY TAX
1.	TESTING RESULTS ON COMPRESSIVE STRENGTH OF CONCRETE CUBES FOR CONSTRUCTION OF ANDHRA SANJEEVANI MULTI-SPECIALITY HOSPITAL KUCHIPUDI, KRISHNA DISTRICT OF ANDHRA PRADESH	Rs.18,000/-
2.	TESTING RESULTS ON COMPRESSIVE STRENGTH OF CEMENT CUBES FOR CONSTRUCTION OF ANDHRA SANJEEVANI MULTI-SPECIALITY HOSPITAL KUCHIPUDI, KRISHNA DISTRICT OF ANDHRA PRADESH	Rs.10,000/-
3.	TESTING RESULTS ON TENSILE STRENGTH OF STEEL BARS FOR CONSTRUCTION OF ANDHRA SANJEEVANI MULTI-SPECIALITY HOSPITAL KUCHIPUDI, KRISHNA DISTRICT OF ANDHRA PRADESH	Rs.33,750/-
Total		Rs. 61,750/-

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to JNTU, K. J. Somayajulu
Sanctioned by SKP V V Hindu High Schools Committee, Estd. 1996
Plot No. 1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001
Voice: 0866-2423442, 2423443, 2423444, Fax: 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 01/06/2017

Vijayawada

From

Dr. Y. Rajendra babu
Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on **"Solar LED street light"** - Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **"Solar LED street light"** implementation with collaborating students A.D. Tharun kumar (15KT5A0201), B.sonia(14KT1A0210), D.nagendra (14KT1A0215), N.naveena (14KT1A0234) and R.Likhitha(14KT1A0245) of IV year B.Tech students.

This project helps to the citizens of India and reduce the unit per cost with effect usage of renewable energy sources and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

Yours

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Dr. Y. Rajendra babu

Dept of EEE



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : STIPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Ragnava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 71855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Solar panels	1	7000
2	LED light	1	1000
3	Rechargeable battery	3	3000
4	Controller	1	2500
5	Pole	1	16000
6	Interconnecting cables	15	500

Total Budget 30,000

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by Pottu & Thodu High Schools Committee, Estd : 1906
D No. 7-3-67, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91771 12855 Fax : 0866-2423443 E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Solar System

Topic : " Solar LED street light "

Abstract:

There is an increasing demand for Solar Street lights these days and for obvious reasons. One important reason is overall cost savings in the long run, and the other is efficient lighting. The solar LED light system as the name suggests converts energy from the sun into electricity and is easy to install and gives high intensity LED output. It is not necessary to switch on or switch off the solar LED's light manually. These lights automatically operate from night until morning.

Keywords: Drone, Wireless Remote location Accessing, Field mapping

Name and Details Principal Investigator-1

Dr.Y.Rajendra babu
Professor

Signature of the Principal Investigator-1

Student Team:

- 1) A.D. Tharun kumar (15KT5A0201)
- 2) B.sonia(14KT1A0210)
- 3) D.nagendra (14KT1A0215)
- 4) N.naveena (14KT1A0234)
- 5) R.Likhitha(14KT1A0245)

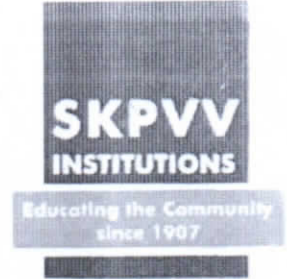
EEE HOD

Principal

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001

GOPISSETTY MALLAIAH
General Secretary & Correspondent



To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:12/6/2017
Vijayawada

Dear Sir,


Sub: Award of grant for research projects to be carried at PSCMR College of Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools Committee is pleased to grant an amount of Rs.30000/- (Rupees Thirty Thousand Only) for the research work titled "Solar Led Street Light" to be carried out by the Department of EEE. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SRI KANYAKA H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjun
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by S.K.P.V. Hindu High School Committee, Estd : 1906
D No. 7-3-E-1 Raghava Reddy Street, Kothapet, Vijayawada - 520 001
Voice : 0866-2423442, 91777 77855 Fax : 0866-2423443 E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date:02/06/2017

Vijayawada

From

Mr.R.Rajesh
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on **"wireless modulated notice board"**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project entitled **"wireless modulated notice board"** implementation with collaborating students ACNM Deepika (14KT1A0201), Garlapati Lakshmi Vasavi (14KT1A0218), Kommu Vasu (14KT1A0225) and Muntha Siva Sai Santhosh Kumar (15KT5A0211) of IV year B.Tech students.

This project helps to the management to share the information about academics and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

Mr.R.Rajesh

Dept of EEE

hrcaw
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU-Kakinada
Sponsored by SKPVV Hindu High Schools Committee, Estd : 1906
D No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443 E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Mobile Phone	1	1000
2	GSM modem	1	1000
3	PC link	1	500
4	Max 232	1	500
5	Micro controller	1	2000
6	LCD display	1	1000

Total Budget 6,000

Veraw
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, ESTD - 1906
D.No. 7-3-6/1 Raghava Reddy Street, Kothapet, Vijayawada - 520 001
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmrao.in, www.pscmr.ac.in

Research Proposal

Research Area: LED systems

Topic : " wireless modulated notice board "

Abstract:

Notice Board is the most uniform and primary apparatus in any university, schools or public places like bus stations, railway stations and parks. But fixing and changing various notices of instruction on a day-to-day is a difficult process. The main objective of this project is to develop a wireless notice board that displays messages send from the user's mobile. When a user sends a message, it is received by a SIM inserted in GSM modem at the receiver unit. The GSM modem interfaced with level shifter IC to Microcontroller. The message received by the GSM is sent to the microcontroller that further displays it on a electronic notice board. The Notice board is an LCD display interfaced to a microcontroller, powered by a regulated power supply from main supply of 230 volt AC supply.

Keywords: Microcontroller, SIM, GSM, LCD, Raspberry pi card, Light Emitting Diode (LED), Liquid-Crystal Display (LCD), Wireless Fidelity (Wi-Fi).

Name and Details Principal Investigator-1

Mr.R.Rajesh
Assistant Professor

Signature of the Principal Investigator-1

Student Team:

- 1) ACNM Deepika (14KT1A0201)
- 2) Garlapati Lakshmi Vasavi (14KT1A0218)
- 3) Kommu Vasu (14KT1A0225)
- 4) Muntha Siva Sai Santhosh Kumar (15KT5A0211)

EEE HOD

Principal

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date: 14/6/2017
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "Wireless Modulated LCD Notice Board" to be
carried out by the Department of EEE. The Committee expects that such similar
research works will be carried out by the faculty members involving students for
the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.P.V.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjun Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA

SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Sponsored by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Organized by: SKPVV Hindu High Schools Committee, Estd: 1961
D.No. 7-3-0/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001
Voice: 0866-2423442, 91777 77855, Fax: 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 20/06/2017

Vijayawada

From

Mr. V. Praveen
Assistant Professor,
Dept of EEE,
PSCMR College of Engineering & Technology.

To

The General Secretary and Correspondent
S.K.P V V Hindu High School,
Kothapet,
Vijayawada-520 001.

Respected Sir,

(Through proper channel)

Sub: Requesting proposal acceptance and fund for implementing research project on **"IOT based underground cable"** - Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled **"IOT based underground cable"** implementation with collaborating students CH. MALATHI (14KT1A0211), K. JYOTSNA (14KT1A0227), NASMA BAIG (14KT1A0235), N. BALA LAKSHMI (15KT5A0212) of IV year B.Tech students.

This IOT helps to the Citizens to effective functionality of operation of cable in the fields and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

Praveen
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

V. Praveen
Mr. V. Praveen
Dept of EEE



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by "SKPVV" Hindu High Schools Committee, Estd : 1909
D.No: 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001
Voice : 0866-2423442, 91777 77855 Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Quantity	Total Price
1	Current sensors	4	2000
2	Voltage sensors	4	2000
3	Breaking unit	1	500
4	Short circuit sensing unit	1	500
5	LCD	1	1000

Total Budget 6,000

PRINCIPAL
Potti Srimulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakarada
Sponsored by SKPVV Hanta High Schools Committee, Estd : 1906
D.No 7-3-61 Raghava Reddy Street, Kothapet, Vijayawada - 520 001
Voice : 0866-2423442, 91/77 77855 Fax : 0866-2423443 E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: IOT

Topic : " IOT based underground cable "

Abstract:

The objective of this project is to determine the distance of the failure of the underground cable in the base station using one kilometer of arduino board. Underground cable system is a common practice in many urban areas. Even if a failure occurs for some reason, at that time the repair process related to this particular cable is difficult because of not knowing the exact location of cable failure. The project uses the classic concept of the ohms law, when a low voltage at the end of the power supply device is applied across a series resistor the current varies depending on the location of the fault the cable. In the case of a short circuit (grounded line), the voltage across the series resistors changes accordingly, then input to the adc constructs the arduino board to develop accurate digital data for the in kilometer. The project is mounted with a resistance representing the length of the cable in km and creating defects is executed by a set of switches in each known km to check the accuracy of it. Failure occurs at a given distance and the respective phase is displayed on an lcd screen connected to the arduino board. Keywords- arduino board, ohms law, lcd (liquid cristal display), cable fault, adc (analogue to digital converter), digital data

Keywords: Underground cable, fault location, fault detection, location methods, microcontroller.

Name and Details Principal Investigator-1

Mr.V.Praveen
Assistant Professor

Signature of the Principal Investigator-1

Student Team:

- 1) CH. MALATHI (14KT1A0211),
- 2) K. JYOTSNA (14KT1A0227),
- 3) NASMA BAIG (14KT1A0235),
- 4) N. BALA LAKSHMI (15KT5A0212)

EEE HOD

**Principal
PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.**

GOPISSETTY MALLAIAH

General Secretary & Correspondent

SKPVV
INSTITUTIONS

Educating the Community
since 1907

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:4/7/2017
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.6000/- (Rupees Six Thousand
Only) for the research work titled "IoT Based Underground Cable Fault
Detection" to be carried out by the Department of EEE. The Committee expects
that such similar research works will be carried out by the faculty members
involving students for the benefit of the college in particular and for the benefit of
the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



VIJAYAWADA,
Date: 12-09-2017.

To,
The Manager,
Potti Sriramulu Chalavadi Mallikarjuna Rao
College Of Engineering And Technology ,
VIJAYAWADA.

Sub: App for android mobiles.

Sir/madam,

SAMARASTA SEWA FOUNDATION in all 13 districts of A.P. SSF would like to develop android mobile app for

1. temples report / temple documents / temple payments and receipts / temples sanctioned, constructions completed, cancelled and status. Construction / vigrahams list.

2. volunteers list / daily volunteers report and attendance daily report .

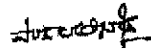
3. weekly wise bhajana report / 15 days bhjana report / Divya Dharsanam report / donors report / programs report / camp details.

4. radham daily report / total radhams list / radha saradhi documents (ID CARD, DRIVING LICENSE) / radham insurance and road tax(dates).

So kindly to develop a App for those particulars above mentioned.

Thanking you,

For Samarasata Sewa Foundation


(P. Trinadh)
Secretary

కార్యాలయం : డోర్ నెం. 29-23-30, తాడేపల్లివారి వీధి, సూర్యరావు పేట, విజయవాడ - 520002



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by. SKPVV Hindu High Schools Committee, Estd : 1906

VIJAYAWADA

Date: 20-9-2017

To,
P. Trinadh
The Secretary,
SAMARASTA SEWA FOUNDATION,
VIJAYAWADA.

Sub: Application Development for Samarasta Sewa Foundation (SSF). Reg.,

Ref: SSF, AP on Dated 12-09-2017.

Sir/Madam,

With reference to your letter cited above, the department of CSE, POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING AND TECHNOLOGY (PSCMRCET) VIJAYAWADA is happy to accept the offer to develop an Android App and Website. The following staff and students will interact with you to elicit the requirements and we hope to meet the delivery deadline.

Team Members:

For Android App – Mr. B. Sarath Chandra, Assistant Professor, Dept of CSE

B. Sri Harsha, Roll N0: 14KT1A0510 (Final Year CSE)

V. Muthu, Roll N0: 15KT1A0510 (Final Year CSE)

For Website App – Mr. I. Murali Krishna, Assistant Professor, Dept of CSE

M. V. D. Kiran, Roll N0: 15KT1A0565 (Third Year CSE)

M. S. T. Tejaswini, Roll N0: 15KT1A0566 (Third Year CSE)

Thanking you,

Principal
Dr.K.Nageswara Rao
PSCMRCET

Yours Sincerely
Prof.A. Pathanjali Sastri
Professor & HOD
cse.hod@pscmr.ac.in
PSCMRCET

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is executed at Vijayawada on this _____ by and between;

SAMARASATASEWA FOUNDATION, a Sewa Foundation and having its registered office at (Address) D.No: Tadepalli vari street, Dornakal Road, Vijayawada represented by its Secretary, Mr. P.Trinadh, (Hereinafter referred to as the "SSF", which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors and assigns) being the Party of the First Part.

And

Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering & Technology, an Engineering college, having its registered office at 7-3-6/1, Raghavareddy Street, Kothapeta, Vijayawada, Andhra Pradesh. 520001 represented by its Principal, Dr. K. Nageswara Rao, (Hereinafter referred to as the "PSCV", which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors and assigns) being the Party of the second part.

"SSF" and "PSCV" are hereinafter, wherever the context so requires, individually referred to as "Party" and collectively as "Parties".

Whereas:

- A. SSF is engaged in the Sewa with the name referred as SAMARASATA SEWA FOUNDATION in the city of Vijayawada.
- B. PSCV is engaged in the service of Engineering & Technical Education with college name referred as Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering & Technology in the city of Vijayawada.
- C. SSF has proposed to launch a better Website & App for regular functionality of SAMARASATA Sewa Foundation in association with PSCV.
- D. PSCV has shown interest to associate with SAMARASATA and develop Website & APP for SSF on the following terms and conditions.

NOW THIS MOU WITNESSETH AS FOLLOWS:

Term:

This MoU is valid till 12/09/2019 from the date of execution. This Agreement shall remain in effect for a period of (two (2) years) from the Effective date unless otherwise terminated by either Party giving notice to the other of its desire to terminate this Agreement.

Deliverables of PSCV

Website:

1. Maintaining skill activates and registration of Dharma Pracharak
2. Maintain of Temple information and provide the facilities of Adding, Deleting, View Template details.
3. Uploading Temples Documents/Payments & Receipts.
4. Temple payment using current status of the temple like Sanctioned/Construction
5. Dharma Pracharak List/Daily Report/Attendance Report.
6. Monthly Wise Reports related to Dharma Pracharak, Temple activities & Dharma pracharak through Excelsheet.
7. Maintain Divyadarsan related information.
8. Template activities like schedule, program, execute.
9. Sessions are maintained for security oriented.

App:

1. Validate the Dharma Pracharak using Login Verification.
2. Geographical values of the temple location are saved in data base using Google location service for featuresurveying.
3. Temple images are captured and uploaded to the data base based on the strict geo tagging verification.
4. Logout and complete session is implementing for secure purpose.

Deliverables of SSF

1. SSF shall give sole rights to PSCV in developing the SAMARASATA web site and App
2. SSF shall nominate an executive as one point contact person to coordinate in developing the website and Android app.
3. SSF shall share all the necessary data as required to develop the website and Android App

Developing Team:

Website:

I.Murali Krishna, Asst.professor, Department of CSE

M.V.D.Kiran (15KT1A0565)

M.S.T.Tejaswini (15KT1A0566)

Android App

B.Sarat Chandra, Asst.Professor, Department of CSE

B.Sri Harsha(14KT1A0510)

V.Muttu (15KT5A0510)

Obligations of SSF

- PSCV shall oblige SSF to maintain the designed content confidentially without any misuse by students/staff.
- The Website and App designed by PSCV should be compatible with all type of Android platform mobiles and web browsers.

Obligations of PSCV

- PSCV can showcase the project details in college website/profile
- PSCV shall place the institute logo at the bottom of the App in small size with heading "App maintained by"

Commercials:

- SSF will pay the amount as applicable for hosting upon producing the necessary documents of estimations.

Termination:

- This Agreement commences on the date it is executed and shall continue until full cooperation by both parties SAMARASATA and PSCV, or until earlier terminated by one party under the terms of this Agreement. This agreement can be withdrawn by either party at any point of time by giving 15 days and after proper enquiry.
- In case SAMARASATA finds any issues with PSCV as stated below:
 - Web & App designs & services are not meeting the requirement.
 - Misuse of content
 - Delay in the services
 - Any unsolvable technical issues
 - Improper functioning of the App & Web
- Upon termination PSCV shall handover all the designed content to SAMARASATA on as is where condition is.

Miscellaneous:

Confidentiality: The terms and conditions of this MoU, attachments and amendments hereto, if any shall be kept confidential by the Parties at all times and not to be disclosed to any person or third party, except and to the extent as may be required for the purpose of complying with applicable law.

Force Majeure: Neither Party shall be liable for any failure or delay in its performance due to circumstances beyond its reasonable control, provided that it notifies the other party as soon as practicable and uses its best efforts to resume performance.

Indemnity: Each party shall indemnify and keep indemnified, defend and hold harmless the other Party and their respective officers, directors, employees (collectively the "Indemnified Persons") from and against any and all direct losses, claims, costs, liabilities, judgments,

expenses or damages that the indemnified person may incur or suffer as a result of or arising out of breach of any representation made by it under this Agreement.

Severability: If any part or any provision of this MoU is or becomes illegal, invalid or unenforceable, that part or provision shall be ineffective to the extent of such invalidity or unenforceability only, without in any way affecting the validity or enforceability of the remaining parts of said provision or the remaining provisions of this MoU. The Parties hereby agree to attempt to substitute any invalid or unenforceable provision with a valid or enforceable provision, which achieves to the greatest extent possible the economic, legal and commercial objectives of the invalid or unenforceable provision.

Assignment: The Parties to the Agreement shall not assign or purport to assign or otherwise deal with any of its rights and obligations hereunder without the prior written consent of the other party.

Waiver: Failure of a Party to exercise promptly any option or right granted, or to require strict performance of any obligation herein imposed shall not be deemed to be a waiver of such rights or of the right to demand subsequent performance of any and all obligations herein imposed.

Amendments: All changes and amendments to this Agreement or to any attachment thereto are valid only if made in writing and signed by duly authorized representatives of both the parties.

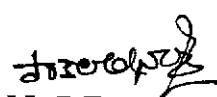
DISPUTE RESOLUTION:

In the event of any disputes, differences, or controversies arise between the parties hereto, out of or in relation to or in connection with provisions of this MoU, or any action taken hereunder, the Parties hereto shall thoroughly explore all possibilities for an amicable settlement. In case the amicable settlement cannot be reached, such disputes, differences or controversies shall be referred to sole Arbitrator appointed with the mutual consent of both the parties in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of such Arbitration shall be Vijayawada and the proceedings shall be conducted in English. The award of the Arbitrator/Arbitral Tribunal shall be final and binding on both the parties hereto.

Jurisdiction: This Agreement shall be governed and construed by and in accordance with the laws of India and subject to the exclusive jurisdiction of the courts of Vijayawada.

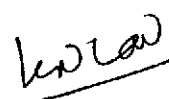
IN WITNESS WHEREOF, THE PARTIES HAVE EXECUTED THIS MoU AS OF THE DAY AND YEAR FIRST ABOVE WRITTEN:

**For SAMARASATA SEWA FOUNDATION
(SSF)**


Mr. P. Trinadh
Secretary



**For Potti Sriramulu Chalavadi
Mallikarjuna Rao College of
Engineering & Technology
(PSCV)**


Dr. K. Nageswara Rao
Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001

Date:
Vijayawada

President

Dasari Srinivasulu
IAS (Rtd)

Working President

T. Vishnuvu

Vice President

K. Bhavani Prasad
T.V. Hanumantha Rao

Secretary

P. Trinadh

Joint Secretary

K. Sunil Kumar

Treasurer

V. Ranga prasad

Members

V. Sudhakar
K. Syamprasad
Dr.C Vijaya Raghavacharyulu
K.JaganMohan Reddy
Dr.M Ravindranath
V. RamaKrishna
(Advocate)

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Dear Sir,

Sub: Release the Quoted grant for Developing Android App and web site – Reg.

This with reference to the above stated subject, Samarasata Sewa Foundation is pleased to grant an amount of Rs.25000/-(Rupees Twenty Five Thousand Only) for the developing of Web and Android App to be carried out by the Department of Computer Science and Engineering. I am very thankful for the successful completion of the project. As stated, we transfer the quoted amount to following Bank Account .the details of the Account details are as follows.

Hoping a good and healthy association in our future endeavors,

Thanking you,

Yours Sincerely,

For Samarasata Sewa Foundation



Authorized Signatory

Bank Account Details:

A/C folder Name : Akella Pathanjali Sastri

A/C No : 1414166000011903

IFSC Code : KVBL0001414

Karur Vysya Bank, One Town,Vij-1.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.N 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date:3-11-2017

Vijayawada

From

B.Srikanth Reddy
Assistant Professor
Dept of CSE
PSCMR College of Engineering & Technology

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet
Vijayawada-520 001

"Through proper channel"

Respected Sir,

Sub: Requesting proposal acceptance and fund for implementing research project on "**Agricultural Spraying Drone**"- Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled "**Agricultural Spraying Drone**" implementation with collaborating students K.Sowjanya (14KT1A0541), B.Susmitha (14KT1A0512), B.Sowmya (15KT5A0504), G.Swapna (14KT1A0534) of IV year B.Tech students.

This Drone helps to the farmers to effective functionality of spraying the fields and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

B.Srikanth Reddy

Dept of CSE

Forwarded to Principal Sir

view

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Frame (Spraying)	Body	1	3500
2	APM Board	Micro Controller	1	2300
3	Brushless Motor (950rpm)	Motors	4	2000
4	ESC	Motor Controlling	4	1700
5	Lithium Polymer (5000mah, 12v)	Power Supply	1	5000
6	Propellers	Flying	4	400
7	Transmitter & Receiver (FSI6-Model)	Controlling Drone	1	5100
Total				20,000


Signature of the Principal Investigator-1


CSE HOD


Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal: Agricultural Spraying Drone

Agricultural drone technology has been improving in the last few years, and the benefits of drones in agriculture are becoming more apparent to farmers. Drone applications in agriculture range from mapping and surveying to crop dusting and spraying.

On the surface, agricultural drones are no different than other types of drones. The application of the UAV simply changes to fit the needs of the farmer. There are, however, several drones specifically made for agricultural use.

The purpose of this drone is to develop a quad-copter which carries pesticides to spray all over the farm evenly and also which reduces the work of farmers as well as finishes his work soon. This is to develop a user friendly interface for farmers. Here the farmer can control the drone using a wireless remote which is interface with the drone.

Principal Investigator-1

Student Team:


- 1) K.Sowjanya (14KT1A0541)
- 2) B.Susmitha (14KT1A0512)
- 3) B.Sowmya (15KT5A0504)
- 4) G.Swapna (14KT1A0534)


CSE HOD

Faculty

B. Srikanth Reddy




Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date: 3/11/2017
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools Committee is pleased to grant an amount of Rs.20000/- (Rupees Twenty Thousand Only) for the research work titled "Agriculture Spraying Drone" to be carried out by the Department of CSE. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001,



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date:3-11-2017

Vijayawada

From

A. ChandraMouli
Assistant Professor,
Dept of CSE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet
Vijayawada-520 001
"Through proper channel"

Respected Sir,

Sub: Requesting proposal acceptance and fund for implementing research project on "**Agricultural Seeding Drone**"- Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled "**Agricultural Seeding Drone**" implementation with collaborating students V.Mownika(14KT1A05A8), R.Priyanka(14KT1A05B6), D.Naga Ratna Sri(15KT5A05B6), P.Prasanth (14KT1A081) of IV year B.Tech students.

This Drone helps to the farmers to effective functionality of seeding various seeds in the fields and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely


A.ChandraMouli

Dept of CSE

*Forwarded to Principal
Sir
AM*

hscaw
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Frame (Seeding)	Body	1	3500
2	APM Board	Micro Controller	1	2300
3	Brushless Motor (950rpm)	Motors	4	2000
4	ESC	Motor Controlling	4	1700
5	Lithium Polymer (5000mah, 12v)	Power Supply	1	5000
6	Propellers	Flying	4	400
7	Transmitter & Receiver (FSI6-Model)	Controlling Drone	1	5100

Total Budget

20,000

Signature of the Principal Investigator-1

CSE HOD

Principal

PRINCIPAL

**Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001**



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Robotics

Topic : "Agricultural Seeding Drone"

Abstract:

Agricultural drone technology has been improving in the last few years, and the benefits of drones in agriculture are becoming more apparent to farmers. Drone applications in agriculture range from mapping and surveying to crop dusting and spraying.

On the surface, agricultural drones are no different than other types of drones. The application of the UAV simply changes to fit the needs of the farmer. There are, however, several drones specifically made for agricultural use.

The purpose of this drone is to develop a quad-copter which carries pesticides to spray all over the farm evenly and also which reduces the work of farmers as well as finishes his work soon. This is to develop a user friendly interface for farmers. Here the farmer can control the drone using a wireless remote which is interface with the drone.

Keywords: Drone, Wireless Remote location Accessing, Field mapping

Name and Details Principal Investigator-1

A. Chandramouli, Assistant Professor,
PSCMRCEET, Vijayawada.

Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2

Student Team:

- 1) V.Mownika (14KT1A05A8)
- 2) R.Priyanka (14KT1A0591)
- 3) D.Naga Ratna Sri (15KT5A05B6)
- 4) P.Prasanth (14KT1A0581)

CSE HOD

Principal

**Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.**

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date: 4/2/2018
Vijayawada


Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools Committee is pleased to grant an amount of Rs.20000/- (Rupees Twenty Thousand Only) for the research work titled "Agriculture Seeding Drone" to be carried out by the Department of CSE. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.M. Schools Committee
Kothapet, VIJAYAWADA-520 001,

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 11-07-2016

Dear Sir,

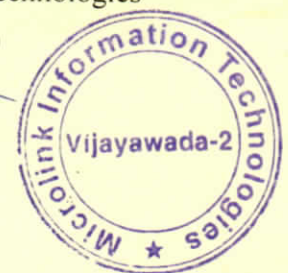
Sub: Request for the designing of wireless Global Communication through HF Transreceiver –
Reg.

I have come to know that your college is working on outstanding research projects. In this context, I would like to make a request for the designing of Global Communication through HF Transreceiver with selective switching technique within a span of 6 months for which you can send a quotation with all terms and conditions. Looking forward for your acceptance,

Thanking You,

Yours Sincerely,
For Microlink Information Technologies


Authorized Signatory



Encl: Project Specifications:



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by. SKPVV Hindu High Schools Committee, Estd : 1906

To
The Managing Director
Microlink Information Technologies
2nd Floor G.T. Towers
Ali-Baigh Street
Governor Pet;
Vijayawada

Dt: 04-07-2016

Dear Sir,

Sub: Acceptance for the research work requested –reg.

I am very thankful for your faith in our college. I feel very delighted to accept your offer of designing of Global Communication through HF Transreceiver and complete the same within the given time frame. After discussing with the R & D team, we concluded to quote Rs. 75000/- for this project which can be paid after the completion of the same.

Thanking you, Sir,

Faithfully yours,

Encls: 1.Quotation
2. Terms and conditions
3. Material required

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
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QUOTATION

To
The Managing Director
Microlink Information Technologies
2nd Floor G.T. Towers
Ali-Baigh Street
Governor Pet;

Ref.No: PSCMRCET/MIT/2016
Date: 25.07.2016

Dear Sir,

Sub: Quotation for Global Communication
through HF Transreceiver Project-Reg.

We thank you for the above reference enquiry and have pleasure in submitting our quotation for the R&D work of Global Communication through HF Transreceiver under subjected to our terms and conditions given below.

S.No.	Description	Price
1	R&D Consultancy	75,000/-

Terms & Conditions:

1. Material to be Provided
2. Duration of R&D may vary.

Thanking you

Yours Sincerely,

Authorized signatory

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by. SKPVV Hindu High Schools Committee, Estd : 1906

To
The Managing Director
Microlink Information Technologies
2nd Floor G.T. Towers
Ali-Baigh Street
Governor Pet;
Vijayawada

Dt: 12-01-2017

Dear Sir,

Sub: Request to attend the demonstration of the completed project – reg.

I am pleased to inform you that the designing of Global Communication through HF Transceiver is completed as per your requirements. In this context, I request you to attend the demo on 28-01-2017 at 10.00 A.M in our college. Looking forward for your arrival.

Thanking you, sir,

Faithfully yours,

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001

To,
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 23-07-2016

Dear Sir,

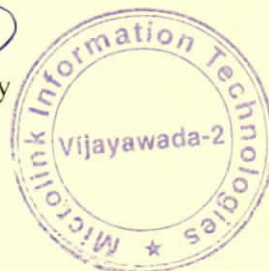
Sub: Acceptance of your proposed amount for the completion of the project – reg.

I am very happy to inform you that the amount quoted is accepted and the material required for the project will be supplied at the earliest. Looking forward for a quality output.

Thanking You,

Yours Sincerely,
For Microlink Information Technologies


Authorized Signatory



To,
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 20-01-2017

Dear Sir,

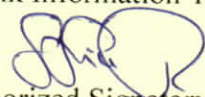
Sub: Release of the quoted amount of Rs. 75,000/- -reg.

I am very thankful for the successful completion of the project. As stated, I am issuing the check for an amount of Rs.75,000/-, which includes GST . The details of the check are as follows:


Hoping a good and healthy association in our future endeavors,

Thanking You,

Yours Sincerely,
For Microlink Information Technologies


Authorized Signatory



Instead of cheque
we received cash




**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 5-09-2017

Vijayawada

From

M. Ranga Rao
Professor,
Dept of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“Three Phase Line Fault Detection using IoT”**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled **“Three Phase Line Fault Detection using IoT”** implementation with collaborating four students of IV year B.Tech students.

This project is used to transmit electric power to distant large load centres and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely

M. Ranga Rao
Dept of ECE

Principal
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
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D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	PIC 16F77A	Micro Controller	2	2200
2	Resistors	Devices	4	200
3	Zigbee	Module	4	1200
4	Fault switches	Controlling	4	900
6	LCD	Display	4	400
7	Buzzer	Tracking	4	100

Total Budget: 5,000

Handwritten signature in green ink
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "Three Phase Line Fault Detection using IoT"

Abstract:

Transmission lines are used to transmit electric power to distant large load centers. These lines are exposed to faults as a result of lightning, short circuits, faulty equipment's, miss-operation, human errors, overload, and aging. To avoid this situation and we need the exact location of fault occurrence. This problem is handled by a set of resistors representing cable length in KMs and fault creation is made by a set of switches at every known KM to cross check the accuracy of the same. The fault occurring at what distance and which phase is displayed on a 16X2 LCD interfaced with the microcontroller. Calculated values are sends to the receiving section with help of Zigbee. Measured values are updated in PC and monitored with help of .NET. RTC is used here to time and date reference, that when the event occurs.

Keywords: Internet of things, Overloading, PIC 16F77A, Resistors, Zigbee, .NET, Fault switches

Dr. M. Ranga Rao, Professor
Name and Details Principal Investigator-1

[Signature]
Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2

[Signature]
ECE HOD

[Signature]
Principal
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

GOPISSETTY MALLAIAH

General Secretary & Correspondent

**SKPVV
INSTITUTIONS**

Educating the Community
since 1907

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:8/9/2017
Vijayawada


Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools Committee is pleased to grant an amount of Rs.5000/- (Rupees Five Thousand Only) for the research work titled "Three Phase Line Fault Detection using IoT" to be carried out by the Department of ECE. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.H. Schools Committee
Kothapet, VIJAYAWADA-520 001.


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 2-11-2017

Vijayawada

From

M. Ranga Rao
Professor,
Dept of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on
“**AdvancedDriver Assistance System**”- Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled “**Advanced Driver Assistance System**” implementation with collaborating four students of IV year B.Tech students.

This project provides a detailed study of the recent developments in the field of Advanced Driver Assistance Systems and researches in ADASS since last decade and provides a survey on Cognitive cars and driver oriented intelligent vehicles and their motion, stimuli, reflex and response. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely


M. Ranga Rao

Dept of ECE




PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Microcontroller	Micro Controller	5	700
2	Side Sensors	Monitoring	4	600
3	Front Sensors	Monitoring	4	600
4	Rear Sensors	Monitoring	4	600
5	Stepper motor drivers	Motor	5	1000
6	LCD Display	Display	6	600
7	Stepper motors	Motor	5	900

Total Budget: 5,000

hscw
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "Advanced Driver Assistance System "

Abstract:

This project provides a detailed study of the recent developments in the field of Advanced Driver Assistance Systems and researches in ADASs since last decade and provides a survey on Cognitive cars and driver oriented intelligent vehicles and their motion, stimuli, reflex and response. The main objectives of the paper are the future advancements in ADASs, the response duration, user-compatibility and stimuli decision-action on driver as well as on the system side. "THE SOUL PURPOSE OF ADASs IS TO SUPPORT THE DRIVERS RATHER THAN TO REPLACE THEM". Keeping this into consideration, this paper addresses the major achievements and major difficulties in making Advanced Driver Assistance System to be incorporated in today's automation. This project describes the pros and cons on the modern day cognitive cars, its areas of improvement and further modifications and also describes briefly about the driver safety when the ADASs is not implemented and modern day driving skills. Then this project is concluded with different new components which are included in ADASs (like Smart rear view camera, Surround view park assistance technology, Radar systems etc) and their detailed study.

Keywords: Advanced driver assistance systems (ADASs), intelligent vehicles, driving techniques

Dr. M. Ranga Rao, Professor
Name and Details Principal Investigator-1

[Signature]
Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2

[Signature]
ECE HOD

[Signature]
Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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GOPISSETTY MALLAIAH

General Secretary & Correspondent

**SKPVV
INSTITUTIONS**

Educating the Community
since 1907

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:4/11/2017
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools Committee is pleased to grant an amount of Rs.5000/- (Rupees Five Thousand Only) for the research work titled "Advanced Driver Assistance System" to be carried out by the Department of ECE. The Committee expects that such similar research works will be carried out by the faculty members involving students for the benefit of the college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SKPVV Hindu High Schools Committee
Kothapet, VIJAYAWADA-520 001.


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 03-12-2017

Vijayawada

From

Y. Kumari
Professor,
Dept of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on
“AdaptiveHealth Monitoring Systems using IoT”- Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled **“Adaptive Health Monitoring Systems using IoT”** implementation with collaborating four students of IV year B.Tech students.

The proposed system monitors the vital health parameters and transmits the data through a wireless communication, which is further transferred to a network via a Wi-Fi module. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely
Y.Kumari
Dept of ECE

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Atmega328p microcontroller	Micro Controller	1	1000
2	GSM Modem	Module	1	200
3	ECG Sensor	Monitoring	1	2800
4	Temperature Sensor (LM35)	Controlling	1	100
5	Heartbeat Sensor	Monitoring	1	70
6	Wi-Fi module(ESP 8266)	Bluetooth module	1	200
7	L.C.D	Display	1	30
8	Wireless Body Sensor Network(WBSN)	Body	1	400
9	Graphical User Interface(GUI)	Module	1	200

Total Budget: 5,000

horo

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "Adaptive Health Monitoring Systems using IoT "

Abstract:

IoT allows many physical devices to capture transmit data, through the internet, providing more data interoperability methods. Nowadays IoT plays an important role not only in communication, but also in monitoring, recording, storage and display. Monitored on a continual basis, aggregated and effectively analyzed - such information can bring about a massive positive transformation in the field of healthcare. Our matter of concern in this project is to focus on the development and implementation of an effective healthcare monitoring system based on IoT. The proposed system monitors the vital health parameters and transmits the data through a wireless communication, which is further transferred to a network via a Wi-Fi module. The data can be accessed anytime promoting the reception of the current status of the patient. In case any abnormal behavior or any vital signs are recognized, the caretaker, as well as the doctors is notified immediately through a message service or an audio signaling device (buzzer). Cloud computing and password protected Wi-Fi module handles authentication, privacy and security of patient details by allowing restricted access to the database.

Keywords— Internet of Thing(IoT),Atmega328p microcontroller, GSM Modem, ECG Sensor, Temperature Sensor (LM35),Heartbeat Sensor, Wi-Fi module(ESP 8266), L.C.D, Wireless Body Sensor Network(WBSN),Graphical User Interface(GUI).

Name and Details Principal Investigator-1

Y. Kumari

Professor, ECE Dept

Name and Details Principal Investigator-2

ECE HOD

Signature of the Principal Investigator-1

Signature of the Principal Investigator-2

Principal

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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GOPISSETTY MALLAIAH

General Secretary & Correspondent

**SKPVV
INSTITUTIONS**

Educating the Community
since 1907

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:5/12/2017
Vijayawada

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada - Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.5000/- (Rupees Five Thousand
Only) for the research work titled "Adaptive Health Monitoring Systems using
IoT" to be carried out by the Department of ECE. The Committee expects that
such similar research works will be carried out by the faculty members involving
students for the benefit of the college in particular and for the benefit of the
society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.S. Schools Committee
Kothapet, VIJAYAWADA-520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001. Phone : 0866 - 6699235



PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 04-01-2018

Vijayawada

From

S. Pradeep Kumar
Professor,
Dept of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“Connected and Automated Vehicles”**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled **“Connected and Automated Vehicles”** implementation with collaborating four students of IV year B.Tech students.

This is used in real-time control, planning, routing with micro-scale traffic information, coordinated platooning using traffic signals information, and eco-mobility on demand with guaranteed parking and it is implemented with low cost and high effective manner. To implement this research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely
S. Pradeep kumar
Dept of ECE

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	Zigbee	Module	2	3000
2	Controlling Devices	Tracking	4	2000

Total Budget: 5,000

K. S. Rao
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, Vijayawada - 520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "Connected and Automated Vehicles"

Abstract:

Autonomous driving technology pledges safety, convenience, and energy efficiency. Its challenges include the unknown intentions of other road users: communication between vehicles and with the road infrastructure is a possible approach to enhance awareness and enable cooperation. Connected and automated vehicles (CAVs) have the potential to disrupt mobility, extending what is possible with driving automation and connectivity alone. Applications include real-time control and planning with increased awareness, routing with micro-scale traffic information, coordinated platooning using traffic signals information, and eco-mobility on demand with guaranteed parking. This project introduces a control and planning architecture for CAVs, and surveys the state of the art on each functional block therein; the main focus is on techniques to improve energy efficiency. We provide an overview of existing algorithms and their mutual interactions, we present promising optimization-based approaches to CAVs control and identify future challenges.

Keywords: Connected and automated vehicles (CAVs).

E. Pradeep Kumar Asst. prof
Name and Details Principal Investigator-1

E. Pradeep Kumar
Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2

[Signature]
ECE HOD

Principal

[Signature]
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
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GOPISSETTY MALLAIAH

General Secretary & Correspondent



To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Date:6/1/2018
Vijayawada


Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.5000/- (Rupees Five Thousand
Only) for the research work titled "Connected and Automated Vehicles" to be
carried out by the Department of ECE. The Committee expects that such similar
research works will be carried out by the faculty members involving students for
the benefit of the college in particular and for the benefit of the society in general.


With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
SKPVV Hindu High Schools Committee
D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235


PRINCIPAL
Potti Sriramulu Chalavadi
College of Engineering and Technology
Kothapet, VIJAYAWADA - 520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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D.No. 7-3-6/1, Raghava Reddy Street, Kothapet, Vijayawada - 520 001.
Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Date: 04-02-2018

Vijayawada

From

D. Suresh Babu
Professor,
Dept of ECE,
PSCMR College of Engineering & Technology.

To

The General Secretary & correspondent,
SKPVV Hindu High School Committee,
Kothapet,
Vijayawada-520 001.
Respected Sir,

“Through proper channel”

Sub: Submitting proposal and requesting fund for implementing research project on **“RGB LEDBoard”**- Reg.

As the part of effective research contribution in our college, I would like to propose a research project on drone entitled **“RGB LED Board”** implementation with collaborating four students of IV year B.Tech students.

This RGB LED Board is used in lighting equipment in theatrical and entertainment datadistribution systems and it is implemented with low cost and high effective manner. To implementthis research project I need the following request specifications and here I attaching a separate sheet of budget and requirement specifications.

So, I kindly request you to please give permission and sanctioned the budget as early as possible to start my research project.

Yours Sincerely
D. Suresh Babu
Dept of ECE

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Requirement Specifications and Budget

S.No	Item Name	Specification	Quantity	Total Price
1	DMX512	Body	2	3500
2	RGB LED's	LED	1	600
3	4 sub-D25 connectors	Wires	4	500
4	DMX CREATOR 1024	Micro Controlling	4	1000
5	DMatrix RGB 70	LED	1	800
6	70 Wires 12*18	Wires	70	400
7	Other Modules	Controlling Devices	2	200

Total Budget: 7,000

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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Voice : 0866-2423442, 91777 77855, Fax : 0866-2423443, E-mail: principal@pscmr.ac.in, www.pscmr.ac.in

Research Proposal

Research Area: Embedded Systems

Topic: "RGB LED Board"

Abstract:

DMX512 is the standard protocol used by lighting equipment in theatrical and entertainment data distribution systems. This project describes a complete hardware and software solution for driving a high brightness 70 pixel RGB LED board from a computer and synchronized with environmental music, in addition to multiple running modes and possibilities achieved. Further possibilities of the developed device running as universal automation controller, are also mentioned.

Keywords: DMX512, lighting entertainment system, RGB LED matrix.

D. SURESH BABU, ASST. PROFESSOR
Name and Details Principal Investigator-1

[Signature]
Signature of the Principal Investigator-1

Name and Details Principal Investigator-2

Signature of the Principal Investigator-2

[Signature]
ECE HOD

[Signature]
Principal
PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

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GOPISSETTY MALLAIAH

General Secretary & Correspondent



**SKPVV
INSTITUTIONS**
Educating the Community
since 1907

Date: 7/2/2018
Vijayawada

To
The Principal
PSCMR College of Engineering and Technology
Kothapet
Vijayawada -520 001

Dear Sir,

Sub: Award of grant for research projects to be carried at PSCMR College of
Engineering and Technology, Vijayawada – Reg.

This with reference to the above stated subject, SKPVV Hindu High Schools
Committee is pleased to grant an amount of Rs.7000/- (Rupees Seven Thousand
Only) for the research work titled "RGB LED Board" to be carried out by the
Department of ECE. The Committee expects that such similar research works will
be carried out by the faculty members involving students for the benefit of the
college in particular and for the benefit of the society in general.

With best wishes,

Truly yours,


(G. MALLAIAH)
General Secretary & Correspondent
S.K.P.V.V.H.S. Schools Committee
Kothapet, VIJAYAWADA-520 001.


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

**SRI KANYAKA PARAMESWARI VISSAMSETTY VENKATARATNAM
HINDU HIGH SCHOOLS COMMITTEE**

9-76-18, Kothapet, VIJAYAWADA - 520 001 Phone : 0866 - 6699235

To,
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 15-09-2017

Dear Sir,

Sub: Request for the designing of Wireless Broadcasting System with Selective Switching Technique -Reg.

I have come to know that your college is working on outstanding research projects. In this context, I would like to make a request for the designing of wireless broadcasting system with selective switching technique within a span of 12 months for which you can send a quotation with all terms and conditions. Looking forward for your acceptance,

Thanking You,

Yours Sincerely,
For Microlink Information Technologies



Authorized Signatory



Encl: Project Specifications:

1. Designing a Transmitter with coverage of 1000 meters
2. Design of Receiver with selective Switching – 100 Selections
3. Front-End Menu driven program



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The Managing Director
Microlink Information Technologies
2nd Floor G.T. Towers
Ali-Baigh Street
Governor Pet;
Vijayawada

Dt: 20-09-2017

Dear Sir,

Sub: Acceptance for the research work requested –reg.

I am very thankful for your faith in our college. I feel very delighted to accept your offer of designing of Wireless Broadcasting System with Selective Switching and complete the same within the given time frame. After discussing with the R & D team, we concluded to quote Rs. 2,25,000/- for this project which can be paid after the completion of the same.

Thanking you, Sir,

Yours Sincerely,

Enclose: 1.Quotation
2. Terms and conditions
3. Material required

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

QUOTATION

To
The Managing Director
Microlink Information Technologies
2nd Floor G.T. Towers
Ali-Baigh Street
Governor Pet;
Vijayawada

Ref.No: PSCMRCET/MIT/2016
Date: 20.09.2017

Dear Sir,

Sub: Quotation for Wireless Broadcasting System with Selective Switching Project-Reg.

We thank you for the above reference enquiry and have pleasure in submitting our quotation for the R&D work of Wireless Broadcasting System with Selective Switching Technique under subjected to our terms and conditions given below.

S.No.	Description	Price
1	R&D Consultancy	2,25,000/-

Terms & Conditions:

1. Material to be Provided
2. Duration of R&D may vary.

Thanking you Sir


Yours Sincerely,

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The Managing Director
Microlink Information Technologies
2nd Floor G.T. Towers
Ali-Baigh Street
Governor Pet;
Vijayawada

Dt: 15-10-2018

Dear Sir,

Sub: Request to attend the demonstration of the completed project – reg.

I am pleased to inform you that the designing of Wireless Broadcasting System with Selective Switching is completed as per your requirements. In this context, I request you to attend the demo on 29-10-2018 at 10.00 A.M in our college. Looking forward for your arrival.

Thanking you sir,

Yours Sincerely,

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 27-09-2017

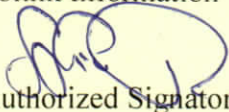
Dear Sir,

Sub: Acceptance of your proposed amount for the completion of the project – reg.

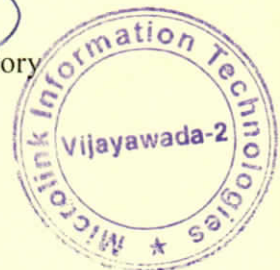
I am very happy to inform you that the amount quoted is accepted and the material required for the project will be supplied at the earliest. Looking forward for a quality output.

Thanking You,

Yours Sincerely,
For Microlink Information Technologies



Authorized Signatory





POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by . SKPVV Hindu High Schools Committee, Estd . 1906
ISO 9001 : 2015

TAX INVOICE

LISP NAME : PottiSriRamuluChalavadiMallikarjuna Rao College Of Engineering & Technology Vijayawada
ADDRESS : 7-3-6/1, Raghava Reddy Street, Kothapet, Krishna District, Vijayawada, Andhra Pradesh, India,520001
PLACE OF SUPPLY : Andhra Pradesh

MicroLink Information Technologies
2nd Floor G.T. Towers
Ali-Baigh Street
Governor Pet;
Vijayawada
GST NO : 37AAKFM2272N1Z5

Invoice #:ECE020119EC01

Invoice Date:02 January 2019

Assessment Date :02 January 2019

Assessment Name : Wireless Broadcasting

Description	TOTAL(INR)
R&D work for Wireless Broadcasting using Selective Switching	2,25,000.00
Total	2,25,000.00
CGST @9%	20,250.00
SGST @9%	20,250.00
Total	2,65,500.00
TOTAL	2,65,500.00

Signature of Principal
PSCMR CET

PAN:AABA51653D

Beneficiary name : PSCMR College Of Engineering & Technology

Beneficiary Account No:1414372000003795

IFSC :KVBL0001414

GST #:37AABA51653D1Z5

NET PAN : AAKFM2272N

NET GST : 37AAKFM2272N1Z5

K. S. Rao
PRINCIPAL

Potti Sriramulu Chalavadi Mallikarjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 30-01-2019

Dear Sir,


Sub: Release of the quoted amount of Rs. 2,25,000/ + GST -reg.

I am very thankful for the successful completion of the project. As stated, I am issuing the check for an amount of Rs.2,65,500/-, which includes GST . The details of the check are as follows:

Hoping a good and healthy association in our future endeavors,

Thanking You,

Yours Sincerely,
For Microlink Information Technologies


Authorized Signatory



Bank Name : VIJAYA BANK

BRANCH NAME: BENZ CIRCLE

CHEQUE NO : 244174

DATE : 30-01-2019



SRI LAKSHMI GANAPATHI *Engineering Works*

Plot Nos. 9 to 14, 123/1, 2, 3, 17 to 24, A.P. Industrial Estate, **TENALI – 522 202**. Guntur Dist., A.P.

Ph : 08644 - 226470

E-mail : purchasing@kumarpumps.co.in

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 13-09-2017


Dear Sir,

Sub: Request for the designing Multi Purpose machine - Reg.

I have come to know that your college is working on outstanding research projects. In this context, I would like to make a request for the designing of Multi Purpose Machine project within a span of 3 months for which you can send a quotation with all terms and conditions. Looking forward for your acceptance,

Faithfully yours,

For Sri Lakshmi Ganapati Engineering Works,


M. Surya Narayana,
Managing Partner.

Encl: Project Specifications:



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

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ISO 9001 : 2015

To
The Managing Partner,
Sri Lakshmi Ganapati Engineering Works,
Plot no 9 to 14
Industrial Estate
Tenali, Guntur Dt. - 522002

Dt: 16-09-2017

Dear Sir,

Sub: Acceptance for the research work requested –reg.

I am very thankful for your faith in our college. I feel very delighted to accept your offer of designing of Multi Purpose machine and complete the same within the given time frame. After discussing with the R & D team, we concluded to quote Rs. 35000/- for this project which can be paid after the completion of the same. The project is allotted to Mr. Vishu, Asst Professor you may contact him for further information and status related to the project.

Thanking you,

Yours truly,

Signature of the Principal
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

Encls: 1.Quotation
2. Material required



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

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ISO 9001 : 2015

QUOTATION

To

Ref.No: PSCMRCET/MEC/2017

The Managing Partner

Date: 16-09-2017

Sri Lakshmi Ganapati Engineering Works,

Plot no 9 to 14

Industrial Estate

Tenali, Guntur Dt. - 522002

Dear Sir,

Sub: Quotation for Project Multi Purpose machine -Reg.

We thank you for the above reference enquiry and have pleasure in submitting our quotation for the R&D work of Multi purpose machine under subjected to our terms and conditions given below.

S.No.	Description	Price
1	R&D Consultancy	35,000/-

Terms & Conditions:

1. Material to be Provided
2. Duration of R&D may vary.

Thanking you

Your Sincerely,



Authorized signatory



SRI LAKSHMI GANAPATHI *Engineering Works*

Plot Nos. 9 to 14, 123/1, 2, 3, 17 to 24, A.P. Industrial Estate, **TENALI – 522 202**. Guntur Dist., A.P.

Ph : 08644 - 226470

E-mail : purchasing@kumarpumps.co.in

To
The Principal
PSCMR College of Engineering & Technology
Raghava Reddy Street
Vijayawada-1

Dt: 24-09-2017

Dear Sir,

Sub: Acceptance of your proposed amount for the completion of the project – reg.

I am very happy to inform you that the amount quoted is accepted and the material required for the project will be supplied at the earliest. Looking forward for a quality output.

Thanking you, sir,

Yours Truly,

For Sri Lakshmi Ganapati Engineering Works,

M. Surya Narayana,
Managing Partner.



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTUK, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906
ISO 9001 : 2015

To
The Managing Partner,
Sri Lakshmi Ganapati Engineering Works,
Plot no 9 to 14
Industrial Estate
Tenali, Guntur Dt. - 522002

Dt: 25-12-2017

Dear Sir,

Sub: Request to attend the demonstration of the completed project – reg.

I am pleased to inform you that the designing of Multi Purpose machine is completed as per your requirements. In this context, I request you to attend the demo on 27-12-2017 at 10.00 A.M in our college. Looking forward for your visit at the earlist.

Thanking you, sir,

Yours truly,

Signature of the Principal

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.