



*PBR VISVODAYA INSTITUTE OF TECHNOLOGY AND SCIENCE,
(Affiliated to JNTUA, Anantapuramu & Approved by AICTE, New Delhi)
KAVALI – 524201, NELLORE DT., ANDHRA PRADESH.*



7.1.6

Quality audits on environment and energy regularly undertaken by the Institution.

7.1.6.

GREEN AUDIT REPORT



**PARVATHAREDDY BABUL REDDY VISVODAYA
INSTITUTE OF TECHNOLOGY AND SCIENCE: KAVALI**



VISVODAYA ENGINEERING COLLEGE : KAVALI


Approved by AICTE, New Delhi and Affiliated to JNTUA, Anantapuramu

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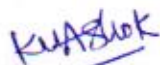


CERTIFICATE


This is to certify that, Green Audit for the year 2019-20 for Parvathareddy Babul Reddy Visvodaya Institute of Technology and Science: kavali is conducted and submitted by Department of Civil Engineering, visvodaya Engineering college Kavali.


Sr. Asst Professor
Dept. of Civil Engineering


Sr. Asst Professor
Dept. of Civil Engineering


Head of the Department
Dept. of Civil Engineering

**HEAD OF THE DEPARTMENT
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Visvodaya Engineering College
KAVALI - 524 201**


Principal
VEC

**PRINCIPAL
Visvodaya Engineering College
Visvodaya Campus
Kavali - 524 201, SPSR Nellore Dt.**

Contents

<i>Introduction</i>	4
<i>Objectives</i>	4
<i>Methodology</i>	5
<i>WATER QUALITY Assessment</i>	7
<i>Air QUALITY Assessment</i>	28
<i>GALLERY</i>	35

INTRODUCTION:

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of various establishments. It aims to analyze environmental practices within and outside of the concerned sites, which will have an impact on the eco-friendly ambience. Green audit can be a useful tool for a college to determine how and where they are using the most energy or water or resources; the college can then consider how to implement changes and make savings. It can also be used to determine the type and volume of waste, which can be used for a recycling project or to improve waste minimization plan. It can create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of Green impact on campus. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

OBJECTIVES:

The Green Audit of an institution is becoming a paramount important these days for self-assessment of the institution, which reflects the role of the institution in mitigating the present environmental problems. The purpose of the present green audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green Audit are:

- To document the quality of drinking water
- To document the quality of recycled waste water for gardening
- To document the ambient environmental condition of air and water in the campus.

METHODOLOGY:

The purpose of the green audit of PBR VITS is to ensure that the practices followed in the campus are in accordance with the Green Policy adopted at the institution. The methodology includes the preparation physical inspection of the campus, observation and review of the documentation green audit parameters at intervals, interviewing key persons and data analysis, measurements and recommendations.

Water Quality Assessment:

To cater the water requirement for the campus, water from four bore wells are used for the activities. The total quantity of water required for drinking is assessed for a population of 3000 students is assessed as 15000 liters per day. For hygienic drinking water, RO plants are installed in each block. In order to provide portable drinking water there are 3 ROs at various locations in the campus.

Civil Engineering department of Visvodaya Engineering College has tested the quality of drinking water and the air for every three months and the results are presented

Water Quality Assessment

2019-2020

Quarterly Report of Water Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling 04.04.2019

Well 1 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.5	5
Total Dissolve Soilds (mg/L)	510	500
Ph	7.31	6.5 to 8.5
Chloride (mg/L)	84	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	317	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	43	45
Total Alkalinity (mg/L of CaCO ₃)	330	200
E. coli	Not detected	not be detectable in any 100 ml sample


Water Quality is Satisfactory


Sr. Asst Professor

Dept. of Civil Engineering


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Quarterly Report of Water Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling 05.07.2019

Well 1 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	Agreeable
Taste	Agreeable	Agreeable
Turbidity (NTU)	0.8	5
Total Dissolve Soilds (mg/L)	530	500
pH	7.5	6.5 to 8.5
Chloride (mg/L)	95	250
Free residual Chorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	280	200
Iron (mg/L)	0.16	0.3
Nitrate (mg/L)	38	45
Total Alkalinity (mg/L of CaCO ₃)	250	200
E. coli	Not detected	not be detectable in any 100 ml sample

Water Quality is Satisfactory



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Quarterly Report of Water Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling 05.10.2019

Well 1 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	Agreeable
Taste	Agreeable	Agreeable
Turbidity (NTU)	0.6	5
Total Dissolve Soilds (mg/L)	510	500
pH	7.1	6.5 to 8.5
Chloride (mg/L)	85	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	260	200
Iron (mg/L)	0.18	0.3
Nitrate (mg/L)	35	45
Total Alkalinity (mg/L of CaCO ₃)	260	200
E. coli	Not detected	not be detectable in any 100 ml sample

Water Quality is Satisfactory



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Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling 04.01.2020

Well 1 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	Nil	Agreeable
Taste	Agreeable	Agreeable
Turbidity (NTU)	0.5	5
Total Dissolve Solids (mg/L)	490	500
pH	6.9	6.5 to 8.5
Chloride (mg/L)	95	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	250	200
Iron (mg/L)	0.19	0.3
Nitrate (mg/L)	33	45
Total Alkalinity (mg/L of CaCO ₃)	240	200
E. coli	Not detected	not be detectable in any 100 ml sample


Water Quality is Satisfactory


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Date of Sampling 05.04.2020

Well 1 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	Nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.6	5
Total Dissolve Solids (mg/L)	510	500
pH	7.41	6.5 to 8.5
Chloride (mg/L)	90	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	317	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	40	45
Total Alkalinity (mg/L of CaCO ₃)	340	200
E. coli	Not detected	not be detectable in any 100 ml sample

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Date of Sampling : 04.04.2019

Well 2 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	Nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.5	5
Total Dissolve Solids (mg/L)	505	500
pH	7.31	6.5 to 8.5
Chloride (mg/L)	98	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	310	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	40	45
Total Alkalinity (mg/L of CaCO ₃)	300	200
E. coli	Not detected	not be detectable in any 100 ml sample

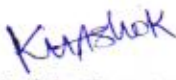
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Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling : 05.07.2019

Well 2 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.8	5
Total Dissolve Solids (mg/L)	520	500
pH	7.45	6.5 to 8.5
Chloride (mg/L)	100	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	280	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	40	45
Total Alkalinity (mg/L of CaCO ₃)	290	200
E. coli	Not detected	not be detectable in any 100 ml sample

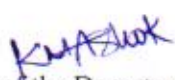
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Date of Sampling : 05.10.2019

Well 2 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.8	5
Total Dissolve Solids (mg/L)	500	500
pH	7.2	6.5 to 8.5
Chloride (mg/L)	95	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	280	200
Iron (mg/L)	0.16	0.3
Nitrate (mg/L)	38	45
Total Alkalinity (mg/L of CaCO ₃)	290	200
E. coli	Not detected	not be detectable in any 100 ml sample


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Date of Sampling : 04.01.2020

Well 2 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.8	5
Total Dissolve Solids (mg/L)	520	500
pH	7.6	6.5 to 8.5
Chloride (mg/L)	100	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	280	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	40	45
Total Alkalinity (mg/L of CaCO ₃)	290	200
E. coli	Not detected	not be detectable in any 100 ml sample

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Date of Sampling: 05.04.2020

Well 2 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.6	5
Total Dissolved Solids (mg/L)	480	500
pH	7.7	6.5 to 8.5
Chloride (mg/L)	95	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	300	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	43	45
Total Alkalinity (mg/L of CaCO ₃)	330	200
E. coli	Not detected	not be detectable in any 100 ml sample

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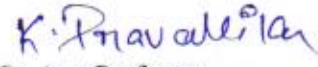
Date of Sampling : 04.04.2019


Well 3 :


Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.5	5
Total Dissolve Soilds (mg/L)	505	500
pH	7.5	6.5 to 8.5
Chloride (mg/L)	110	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	280	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	38	45
Total Alkalinity (mg/L of CaCO ₃)	300	200
E. coli	Not detected	not be detectable in any 100 ml sample

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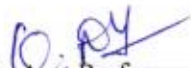
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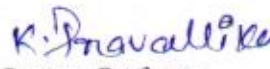
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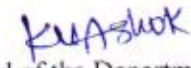
Well 3:


Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.8	5
Total Dissolve Soilds (mg/L)	515	500
pH	7.1	6.5 to 8.5
Chloride (mg/L)	120	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	250	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	35	45
Total Alkalinity (mg/L of CaCO ₃)	280	200
E. coli	Not detected	not be detectable in any 100 ml sample

Water Quality is Satisfactory


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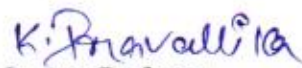
Well 3 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.7	5
Total Dissolve Solids (mg/L)	490	500
pH	7.1	6.5 to 8.5
Chloride (mg/L)	120	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	270	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	40	45
Total Alkalinity (mg/L of CaCO ₃)	290	200
E. coli	Not detected	not be detectable in any 100 ml sample


Water Quality is Satisfactory


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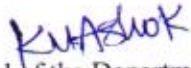
Well 3 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.8	5
Total Dissolve Soilds (mg/L)	505	500
pH	7.3	6.5 to 8.5
Chloride (mg/L)	130	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	280	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	43	45
Total Alkalinity (mg/L of CaCO ₃)	305	200
E. coli	Not detected	not be detectable in any 100 ml sample

Water Quality is Satisfactory


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Date of Sampling : 05.04.2020

Well 3 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.9	5
Total Dissolve Solids (mg/L)	510	500
pH	7.5	6.5 to 8.5
Chloride (mg/L)	145	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	285	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	45	45
Total Alkalinity (mg/L of CaCO ₃)	300	200
E. coli	Not detected	not be detectable in any 100 ml sample

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[Signature]
Sr. Asst Professor

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[Signature]
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[Signature]
Head of the Department

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[Signature]
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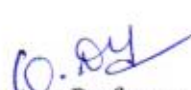
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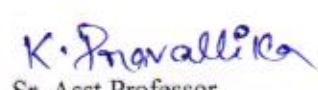
Well 4 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.5	5
Total Dissolve Solids (mg/L)	480	500
pH	7.2	6.5 to 8.5
Chloride (mg/L)	110	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	300	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	35	45
Total Alkalinity (mg/L of CaCO ₃)	270	200
E. coli	Not detected	not be detectable in any 100 ml sample

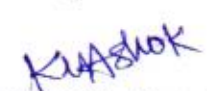
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Kavali - 524 201, SPSR Nellore Dt.


Quarterly Report of Water Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling : 05.07.2019

Well 4 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.5	5
Total Dissolve Soilds (mg/L)	490	500
pH	7.1	6.5 to 8.5
Chloride (mg/L)	100	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	290	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	33	45
Total Alkalinity (mg/L of CaCO ₃)	250	200
E. coli	Not detected	not be detectable in any 100 ml sample


Water Quality is Satisfactory


Sr. Asst Professor


Dept. of Civil Engineering


Sr. Asst Professor

Dept. of Civil Engineering


Head of the Department
Dept. of Civil Engineering

HEAD OF THE DEPARTMENT
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Visvodaya Engineering College


Principal

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Kavali - 524 201, SPSR Nellore Dt.


Quarterly Report of Water Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling : 05.10.2019


Well 4 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.5	5
Total Dissolve Soilds (mg/L)	495	500
pH	7.2	6.5 to 8.5
Chloride (mg/L)	105	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	285	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	33	45
Total Alkalinity (mg/L of CaCO ₃)	260	200
E. coli	Not detected	not be detectable in any 100 ml sample

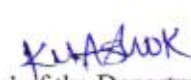
Water Quality is Satisfactory


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Sr. Asst Professor

Dept. of Civil Engineering


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Quarterly Report of Water Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling : 04.01.2020

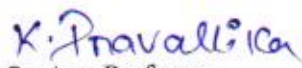
Well 4 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.5	5
Total Dissolve Soilds (mg/L)	485	500
pH	7.2	6.5 to 8.5
Chloride (mg/L)	120	250
Free residual Chorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	265	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	30	45
Total Alkalinity (mg/L of CaCO ₃)	268	200
E. coli	Not detected	not be detectable in any 100 ml sample

Water Quality is Satisfactory


Sr. Asst Professor

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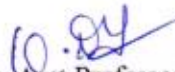
Quarterly Report of Water Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling : 05.04.2020


Well 4 :

Parameter	Result	Standard Limit as per (IS : 10500/2012)
Colour	<5	5
Odour	nil	agreeable
Taste	Agreeable	agreeable
Turbidity (NTU)	0.7	5
Total Dissolve Solids (mg/L)	500	500
pH	7.4	6.5 to 8.5
Chloride (mg/L)	140	250
Free residual Chlorine (mg/L)	0.2	0.2
Hardness (mg/L of CaCO ₃)	270	200
Iron (mg/L)	0.15	0.3
Nitrate (mg/L)	35	45
Total Alkalinity (mg/L of CaCO ₃)	285	200
E. coli	Not detected	not be detectable in any 100 ml sample

Water Quality is Satisfactory


Sr. Asst Professor
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Recycling of waste water:

The wastewater developed in college campus is treated in campus and is used for watering of garden. The institute is having Sewage Treatment Plant (STP) with the capacity of 50,000 liters capacity per day. The quantity of wastewater generated in the campus is assessed as per IS standards (IS 9868/1981) are given below:

The Demand of Water for PBR VITS Campus:

SI No.	Location	Student strength	IS demand	Water Quantity
1	Institute	3000	45 lpcd	135000 lpcd
			Total	135000 lpcd

Air Quality Monitoring 2019-2020

Air Quality Monitoring:

Air quality plays a vital role for good health. Air Quality monitoring instrument is used to monitor quarterly the criterion pollutants. The most important air quality parameters, which are measured, are NO₂, SO₂ & PM₁₀. The other criteria pollutants such as Ozone, Carbon Monoxide and Lead are not measured because there are no nearby Industries located near the institute, which are emitting these pollutants.

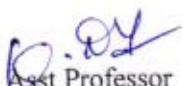
Quarterly Report of Air Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC


Date of Sampling : 04.04.2019

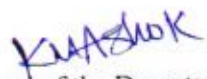
Air Pollutants	Values	Permissible Limits as per NAAQS
Particle Matter PM ₁₀ ($\mu\text{g}/\text{m}^3$)	55	100
Sulphar Dioxide as SO ₂ ($\mu\text{g}/\text{m}^3$)	2.1	80
Nitrogen Dioxide as NO ₂ ($\mu\text{g}/\text{m}^3$)	15	80


Air Quality Index(AQI): 55 Satisfactory Air Quality

Air Quality is Satisfactory


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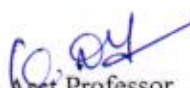
Quarterly Report of Air Quality Monitoring
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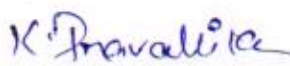
Date of Sampling : 06.07.2019

Air Pollutants	Values	Permissible Limits as per NAAQS
Particle Matter $PM_{10}(\mu g/m^3)$	61	100
Sulphar Dioxide as $SO_2(\mu g/m^3)$	2.0	80
Nitrogen Dioxide as $NO_2(\mu g/m^3)$	13	80


Air Quality Index(AQI): 66 Satisfactory Air Quality

Air Quality is Satisfactory


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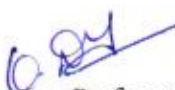
Quarterly Report of Air Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling : 06.10.2019


Air Pollutants	Values	Permissible Limits as per NAAQS
Particle Matter PM ₁₀ ($\mu\text{g}/\text{m}^3$)	66	100
Sulphar Dioxide as SO ₂ ($\mu\text{g}/\text{m}^3$)	1.9	80
Nitrogen Dioxide as NO ₂ ($\mu\text{g}/\text{m}^3$)	14	80


Air Quality Index(AQI): 66 Satisfactory Air Quality

Air Quality is Satisfactory


Sr. Asst Professor
Dept. of Civil Engineering


K. Ravallikra
Sr. Asst Professor
Dept. of Civil Engineering


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Quarterly Report of Air Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

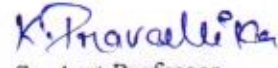
Date of Sampling : 04.01.2020


Air Pollutants	Values	Permissible Limits as per NAAQS
Particle Matter PM ₁₀ ($\mu\text{g}/\text{m}^3$)	69	100
Sulphar Dioxide as SO ₂ ($\mu\text{g}/\text{m}^3$)	2.2	80
Nitrogen Dioxide as NO ₂ ($\mu\text{g}/\text{m}^3$)	19	80


Air Quality Index(AQI): 66 Satisfactory Air Quality

Air Quality is Satisfactory


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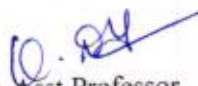
Quarterly Report of Air Quality Monitoring
Analysis Carried out by Dept. Of Civil Engineering, VEC

Date of Sampling : 06.04.2020

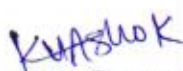
Air Pollutants	Values	Permissible Limits as per NAAQS
Particle Matter $PM_{10}(\mu g/m^3)$	59	100
Sulphar Dioxide as $SO_2(\mu g/m^3)$	2.0	80
Nitrogen Dioxide as $NO_2(\mu g/m^3)$	15	80


Air Quality Index(AQI): 55 Satisfactory Air Quality

Air Quality is Satisfactory


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Dept. of Civil Engineering


Sr. Asst Professor
Dept. of Civil Engineering

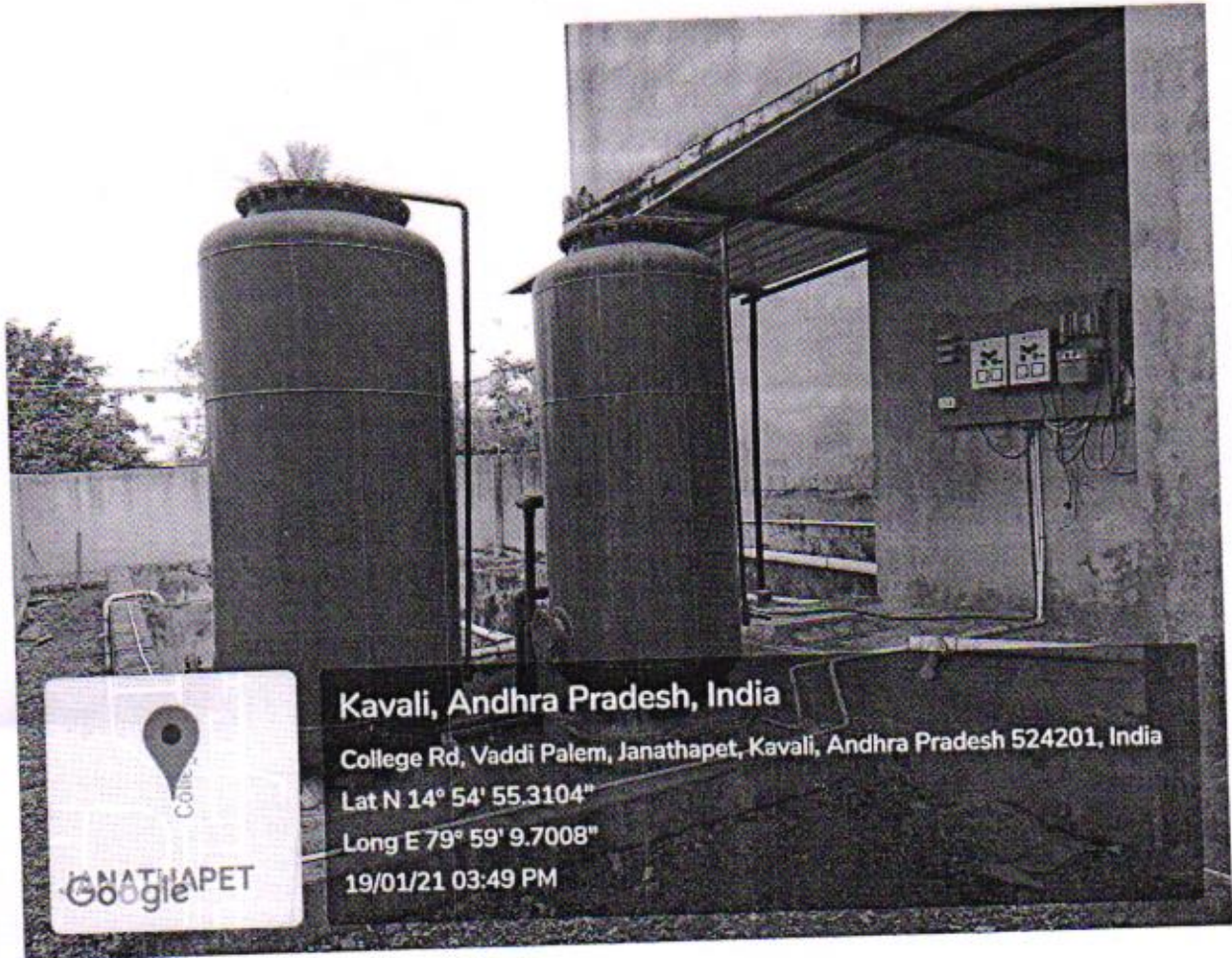

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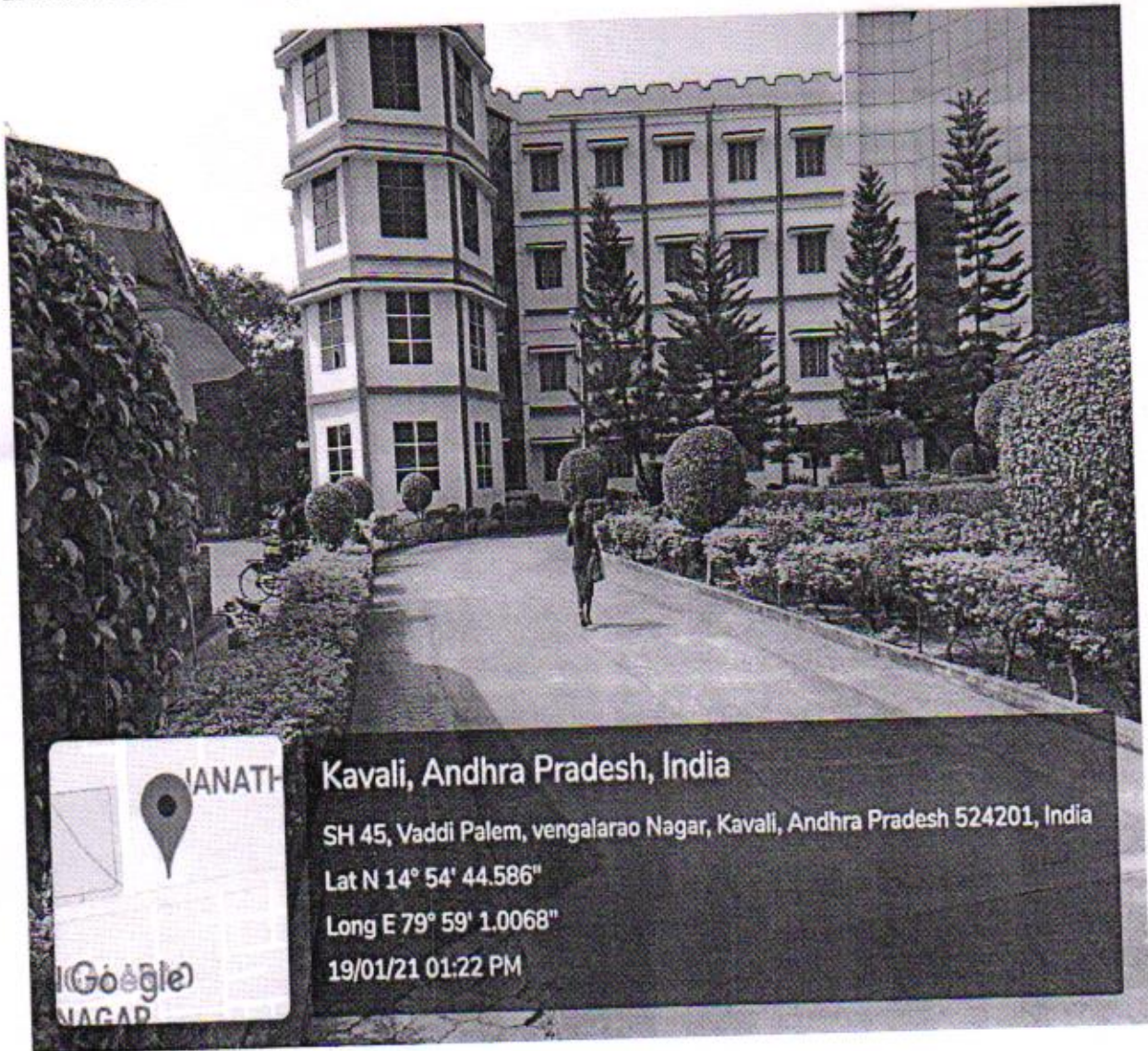
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Visvodaya Engineering College
Visvodaya Kaval Campus
Kavali - 524 201, SPSR Nellore Dt.

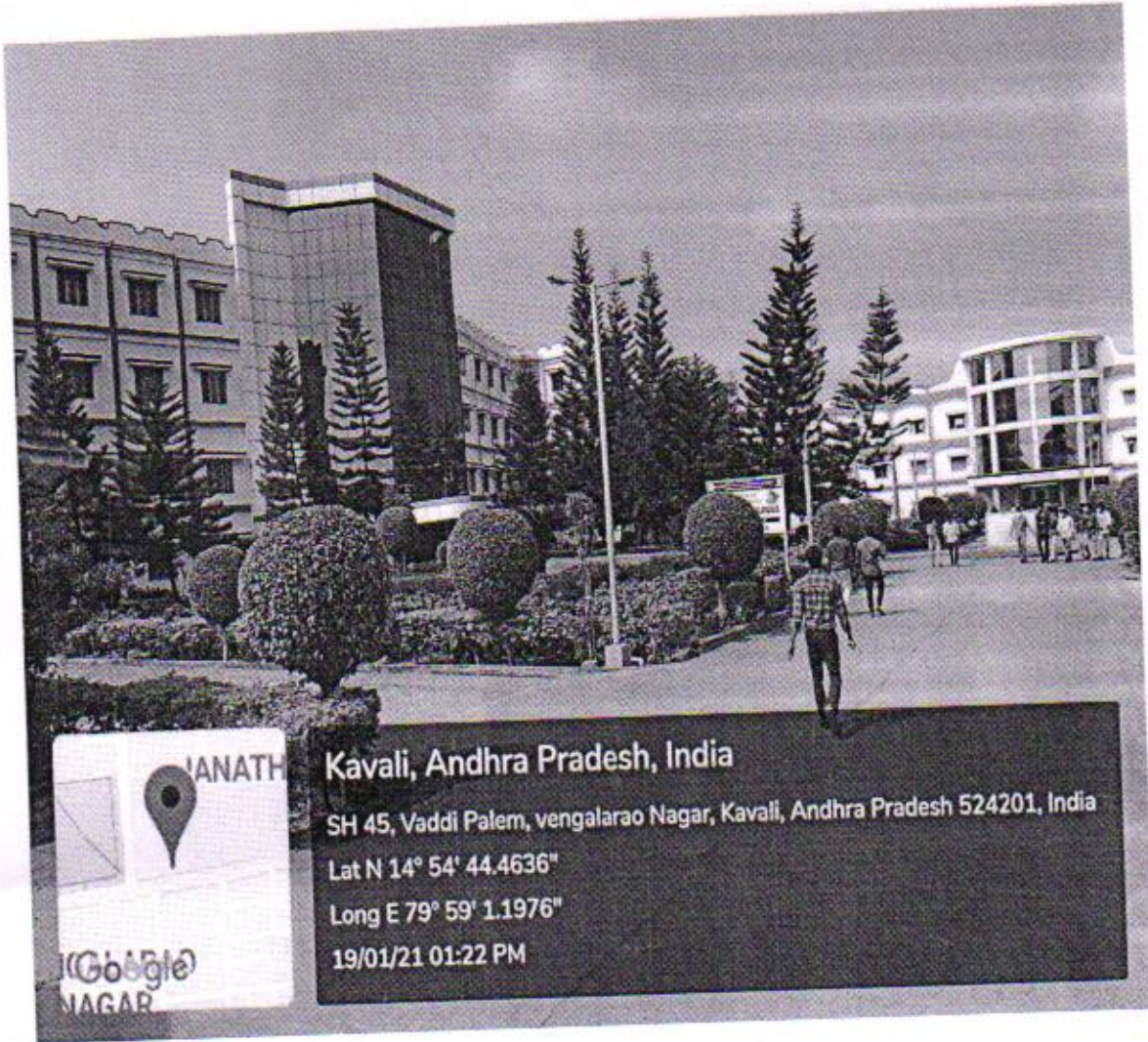
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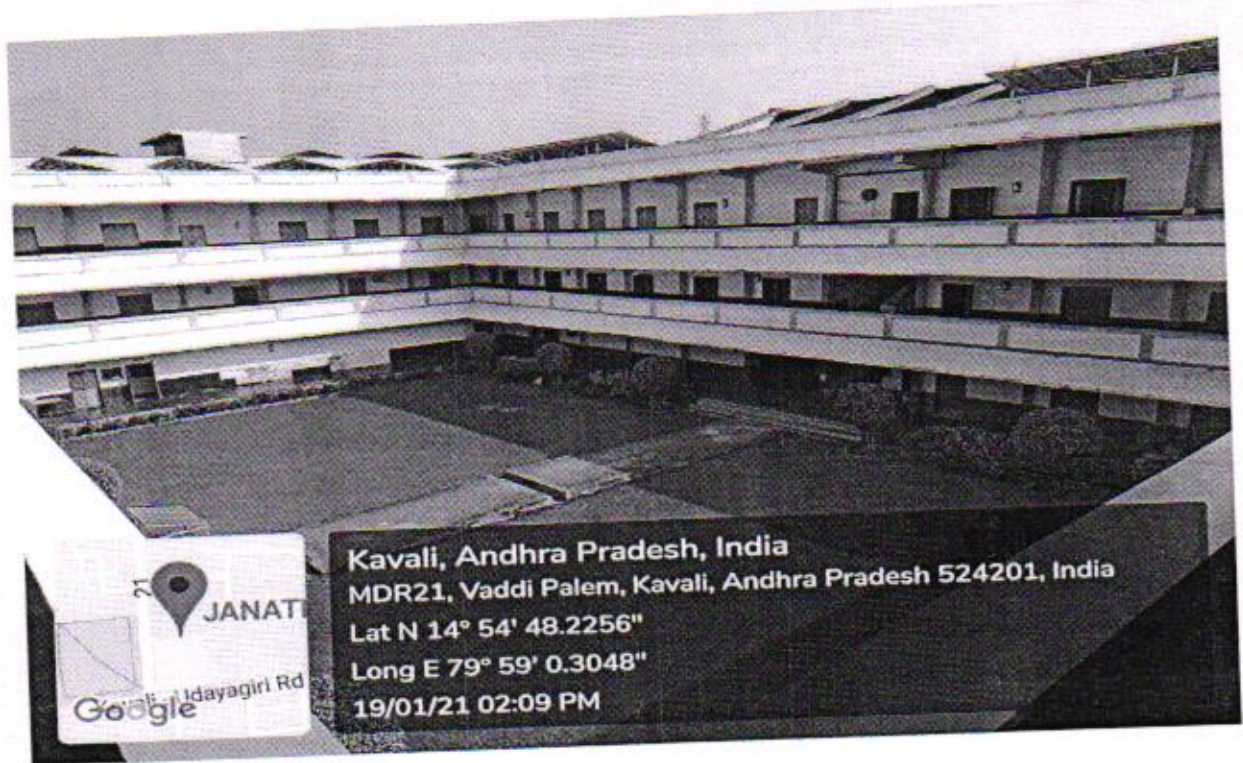
Sewage Treatment Plant



Green PBR VITS Campus







Energy Audit Report of
PBR VISVODAYA INSTITUTE OF TECHNOLOGY AND SCIENCE (PBR VITS)



Submitted to
The Principal,

PBR Visvodaya Institute of Technology and Science (PBR VITS),
Janatha Pet, Kavali Mandal, SPSR Nellore District,
Andhra Pradesh 524201

By

Dr. V. Madhusudhan Reddy & Mr. A. Bhaktha Vachala

Professors
Department of Electrical & Electronics Engineering,
PBR Visvodaya Institute of Technology and Science (PBR VITS)

Prepared by

(Signature)

Mr. A. BHAKTHAVACHALA

Head of Department
ELECTRICAL & ELECTRONICS ENGINEERING
PBR Visvodaya Institute of Technology & Science
KAVALI - 524 201, SPSR Nellore (D.D.A.P)

1

(Signature)

Principal

PARVATHAREDDY BABUL REDDY

VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.



Preface

An energy audit is a study of a plant, building or facility to determine how much energy is used and to identify methods for energy savings. Proper balancing in use of new technologies and already existing technology provide the most hopeful prospects for the future. The opportunities lie in the use of existing renewable energy technologies, enhancing the energy efficiency and the distribution of these technologies.

Data collection for energy audit PBR Visvodaya Institute of Technology and Science campus was accepted by team for the period of December 2015 to March 2020. This audit was over sighted to inquire about the convenience to develop the energy competence of the campus. This audit is essential to identify the energy proficient appliances instruments. The energy audit survey was assisted by two B.Tech-IV year students of EEE department. All data collected from each classroom, laboratories, each and every room. The work is completed by considering, how many tubes, fans, AC's, electronic instruments, water purifiers, printers, xerox machines, pumps, projectors etc in each room. How much was participation of each component in total electricity consumption. This report is just the first step, a mere mile marker towards our destination of achieving energy efficiency and we would like to emphasize that an energy audit is a continuous process. We have compiled a list of potential actions to save and efficiently utilize our limited resources and identified their savings potential. The next step would be to prioritize their execution. We look forward with optimism that the institute authorities, staff and students shall ensure the maximum execution of the recommendations and the success of this work.



Acknowledgement

We express our heartiest thanks and profound gratitude to Sr. Professor and Principal Prof Dr. B. Konda Reddy for identifying us and believing on our potential for this work.

We are immensely grateful to (Dr.) A. Bhaktha Vachala, Head of the Department Electrical & Electronics Engineering, for providing the maximum possible connected load calculation done by his team. We would like to thank all the faculty members, technical assistants of all the departments, Mr. Masthanaiah, Site Engineer and Mr. G. Suman, Asst. Professor (Electrical) for their extended support in all aspects.



Highlights

- Maximum connected load as per the present energy audit is 450 KVA while as per the last energy audit performed in Mar 2020, it was 425 KVA.
- The maximum demand of the campus should be increase from 136 KVA to 250 KVA (considering solar PV plant to be constructed) otherwise maximum and may be expanded up to 300KVA only (not up to 500 KVA as per ongoing speculations)
- After installation of the PV plant the energy consumption of the campus has been decreased by 33% in year 2018
- It is suggested to install 150 KW roof-top plants in Cotton and 150 KW roof top grid connected solar plant in MRR block of PBR VITS campus to support the existing and future additional demand.
- LED bulbs may be utilized to save more electricity and also luminary distributions in room need to be improved
- AC energy saver can be used reduce the energy consumption of AC. Moreover, automatic operated doors may be employed in AC tons.
- Our college should go for demand side management system.
- Solar grid system can be used to supply back-up power. As immediate solution we can go for 225 KVA DG Set. Installation of DG set is not recommended as it is not an eco-friendly solution and also involves high consumption of costly diesel.



Content

S.No	Title	Page No
1	Preface	2
2	Acknowledgement	3
3	Highlights	4
4	Introduction	6
5	Survey and data collection	10
6	Results and discussion	16
7	Recommendations	19
8	Conclusions	21



Introduction

An energy audit is an inspection, survey and analysis of energy flows in building process or system to understand the energy dynamics of the system. The objective of energy audit in an occupied building is reduction of energy consumption without comprising the human comfort, health and safety. Energy audit is not only for the identification of the sources of energy use; it is to prioritize the energy uses according to the greatest to least cost effective opportunities for energy savings.

Energy audit will indicate the energy consumption, energy efficiency measures of the building. The energy manager can compare and analyze the trend in energy consumption against past and future levels for a proper energy management. The main part of the energy audit report is energy savings proposals comprising of technical and economic analysis of projects. Looking at the final output, an energy audit can also be defined as a systematic search for energy conservation opportunities. This information can be transformed into energy savings projects. It will facilitate the energy manager to draw up an action plan listing the projects in order of priority. Adopting this activity as a routine or part of the organization's culture gives life to energy management. Controlling the energy use by energy audit is known as Energy Management by Facts.

Sustainable development of any nation is possible through the interminable energy management. In our campus the scarcity of electricity during college hours is a common fact. So, institutional management has already installed 225 KW, Solar PV roof top plant on Cotton block and MRR block of the college. The Solar PV plant is producing electricity since Feb 2017 and saving electricity a socio-economic environmental impact.

India's industrial demand accounted 44% of electrical power requirement, transport 17% domestic household 14%, agriculture 7% public lighting and other miscellaneous Applications accounted for the rest. Coal, Oil and gas reserves of India are estimated to last just 16 years, 17.5 years and 40.2 years respectively at the current reserve to production (R/P) ratio. So this is the peak time to reduce energy consumption and efficiently use same. Energy conservation means reduction in energy consumption without making any sacrifice of quantity or quality. A successful energy management program begins with any conservation will lead to adequate



rating of equipments, using high efficiency equipment and change of habits which causes enormous wastages of energy. By observing all these study, lack of electricity and huge electricity demands. It is necessary to plan to be self sufficient in electricity requirement.

In the present study, college electricity audit has been done. In this study considered practical laboratories, instruments, fans, air conditioners, computers, printers, xerox machines, pumps, lifts etc are considered. Total and month wise economic investment of college on the electricity bill, energy consumption, and maximum measured demand by the electricity board since 2014 have been analyzed to understand the energy dynamics of the campus. Total electricity generation from the solar roof-top PV plant since Feb 2017 has been studied to understand how it is reducing the electricity bill and maximum demand of the campus. The size of additional roof-top PV plant to supply the additional upcoming loads of the campus has been calculated. Also, it is studied that exact contribution of bulbs, fans, computers, instruments etc in the total requirement of electricity. All the calculations have done by collecting exactly data form survey on the basis of rating or user of the particular instrument for how often/long they use that and all other required detail.



Fig 1. PBR VITS – Cotton Block



Fig 2. PBR VITS – MRR Block

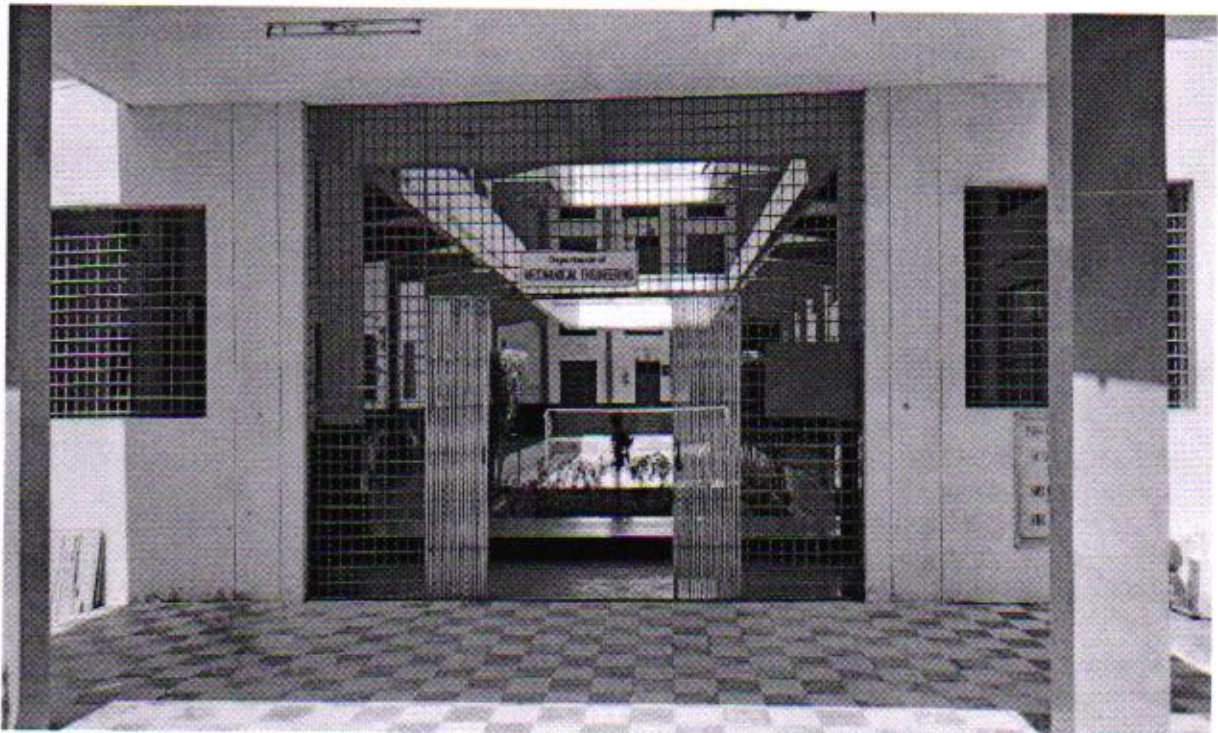


Fig 3. PBR VITS – B – Block



Fig 4. PBR VITS – Central Library



Fig 5. PBR VITS – Dodla Sarala Devi Womens Hostel

Survey and data collection

Data like number of lights, fans, AC's, printers etc is collected by B.Tech IV-EEE students in our guidance and the data has been also verified by us. We have also did walk-through survey in laboratories and talked with the in-charges for relevant information. For critical loads, such as 3-Phase loads survey is done by us only to understand the application and determine the correct rating. In every room, how much fans, tubes, fans, computers, instruments, AC etc has been counted. According to survey following data has been collected for existing load.

Existing Maximum Connected Load:

PBR VITS - COTTON BLOCK					
Description	Power (Watts)	No's	Total Power (W)	Total Power (KW)	Total Power (KVA)
Lights	20	128	2560	2.56	2.64
	40	300	12000	12	12.37
Fans	80	322	25760	25.76	26.56
Air Conditioners	2000	47	94000	94	96.91
Projectors	350	21	7350	7.35	7.58
Computers(LED)	100	256	25600	25.6	26.39
Water Coolers	100	2	200	0.2	0.21
Speakers	30	20	600	0.6	0.62
Printers	250	10	2500	2.5	2.58
Laboratories			2000	2	2.06
Total Load			167310	167.31	170.72



PBR VITS - MRR BLOCK					
Description	Power (Watts)	No's	Total Power (W)	Total Power (KW)	Total Power (KVA)
Lights	20	0	0	0	0.00
	40	115	4600	4.6	4.74
Fans	80	110	8800	8.8	9.07
Air Conditioners	2000	11	22000	22	22.68
Projectors	350	6	2100	2.1	2.16
Computers(LED)	100	124	12400	12.4	12.78
Water Coolers	100	2	200	0.2	0.21
Speakers	30	10	300	0.3	0.31
Printers	250	5	1250	1.25	1.29
Laboratories			10000	10	10.31
Total Load			61650	61.65	63.56

PBR VITS - B BLOCK					
Description	Power (Watts)	No's	Total Power (W)	Total Power (KW)	Total Power (KVA)
Lights	20	0	0	0	0.00
	40	184	7360	7.36	7.59
Fans	80	140	11200	11.2	11.55
Air Conditioners	2000	9	18000	18	18.56
Projectors	350	6	2100	2.1	2.16
Computers(LED)	100	120	12000	12	12.37
Water Coolers	100	1	100	0.1	0.10
Speakers	30	10	300	0.3	0.31
Printers	250	5	1250	1.25	1.29
Laboratories			30000	30	30.61
Total Load			82310	82.31	84.54

PBR VITS – CENTRAL LIBRARY					
Description	Power (Watts)	No's	Total Power (W)	Total Power (KW)	Total Power (KVA)
Lights	20	30	600	0.6	0.62
	40	50	2000	2	2.06
Fans	80	40	3200	3.2	3.30
Air Conditioners	2000	00	0	0	0.00
Projectors	350	00	0	0	0.00
Computers(LED)	100	30	3000	3	3.09
Water Coolers	100	1	100	0.1	0.10
Speakers	30	2	60	0.06	0.06
Printers	250	4	1000	1	1.03
Laboratories					
Total Load			9960	9.96	10.27

PBR VITS - Dodla Sarala Devi Womens Hostel					
Description	Power (Watts)	No's	Total Power (W)	Total Power (KW)	Total Power (KVA)
Lights	20	200	4000	4	4.12
	40	200	8000	8	8.25
Fans	80	400	32000	32	32.99
Air Conditioners	2000	05	10000	10	10.31
Projectors	350	00	0	0	0.00
Computers(LED)	100	10	1000	1	1.03
Water Coolers	100	5	500	0.5	0.52
Speakers	30	2	60	0.06	0.06
Printers	250	2	500	0.5	0.52
Laboratories					
Total Load			56060	56.06	57.79



PBR VITS - GENERAL					
Description	Power (Watts)	No's	Total Power (W)	Total Power (KW)	Total Power (KVA)
Street Lights	125	20	2500	2.50	2.58
	40	15	600	0.60	0.62
	250	25	6250	6.25	6.44
Pumps	373	2	746	0.75	0.77
	1119	2	2238	2.24	2.31
	2237	4	8948	8.95	9.22
	4474	2	8948	8.95	9.22
CC Camera's	40	300	12000	12.00	12.37
Guest Rooms	30000		30000	30	30.93
Canteen			3000	3	3.09
Security Office			500	0.5	0.52
Total Load			75730	75.74	78.07

TOTAL LOAD			
Cotton Block	167310	167.31	170.72
MRR Block	61650	61.65	63.56
B-Block	82310	82.31	84.54
Central Library	9960	9.96	10.27
Womens Hostel	56060	56.06	57.79
Gents Hostel	21000	21	21.64
General	75730	75.74	78.07
TOTAL	474020	474.03	486.59



Total energy consumption (KVAh), measured maximum connected load (KW), Electricity Bill in (Rs.) paid by college (All data collected from April 2015 to March 2020)

Month	YEAR								
	2015-2016			2016-2017			2017-2018		
	Energy consumed (KVAh)	Maximum Demand (KVA)	Bill Paid (Rs)	Energy consumed (KVAh)	Maximum Demand (KVA)	Bill Paid (Rs)	Energy consumed (KVAh)	Maximum Demand (KVA)	Bill Paid (Rs)
Apr	42085	120	321951	47453	125	363013	22155	136	169482
May	44082	120	337229	58963	125	451068	22358	136	171036
Jun	48218	120	368865	49319	125	377292	26251	136	200823
July	38353	120	293398	22868	125	174937	10190	136	77957
Aug	29318	120	224281	45684	125	349483	31131	136	238155
Sep	62704	120	479684	53040	125	405757	26233	136	200682
Oct	53843	120	411897	43911	125	335919	29908	136	228799
Nov	51059	120	390605	47278	125	361675	47112	136	360408
Dec	39109	120	299182	50537	125	386609	33119	136	253360
Jan	25778	120	197203	33199	125	253970	12495	136	95587
Feb	29368	120	224665	31682	125	242364	10382	136	79423
Mar	42953	120	328594	14025	125	107290	15080	136	115363
Total	506870	120	3877554	497958	125	3809377	286415	136	2191075
Min	25778	120	197203	14025	125	107290	10190	136	77957
Max	62704	120	479684	58963	125	451068	47112	136	360408



Month	YEAR					
	2018-2019			2019-2020		
	Energy consumed (KVAh)	Maximum Demand (KVA)	Bill Paid (Rs)	Energy consumed (KVAh)	Maximum Demand (KVA)	Bill Paid (Rs)
Apr	24544	136	187764	23035	136	176215
May	22563	136	172606	18883	136	144453
Jun	24523	136	187604	16107	136	123221
July	10165	136	77764	10858	136	83061
Aug	31608	136	241798	15703	136	120125
Sep	27360	136	209307	18604	136	142322
Oct	26501	136	202735	23054	136	176365
Nov	31754	136	242918	22465	136	171861
Dec	26558	136	203165	25963	136	198614
Jan	10300	136	78793	14385	136	110048
Feb	10563	136	80804	10359	136	79243
Mar	21122	136	161582	22307	136	170649
Total	267561	136	2046840	221722	136	1696177
Min	10165	136	77764	10359	136	79243
Max	31754	136	242918	25963	136	198614



Results and discussion

As far concerning the energy audit, electricity audit is main concern regarding educational institution. We have collected data by Considering the tube lights, fans, computers, printers, AC and instruments etc.

Electricity consumption and Electricity bill paid pattern

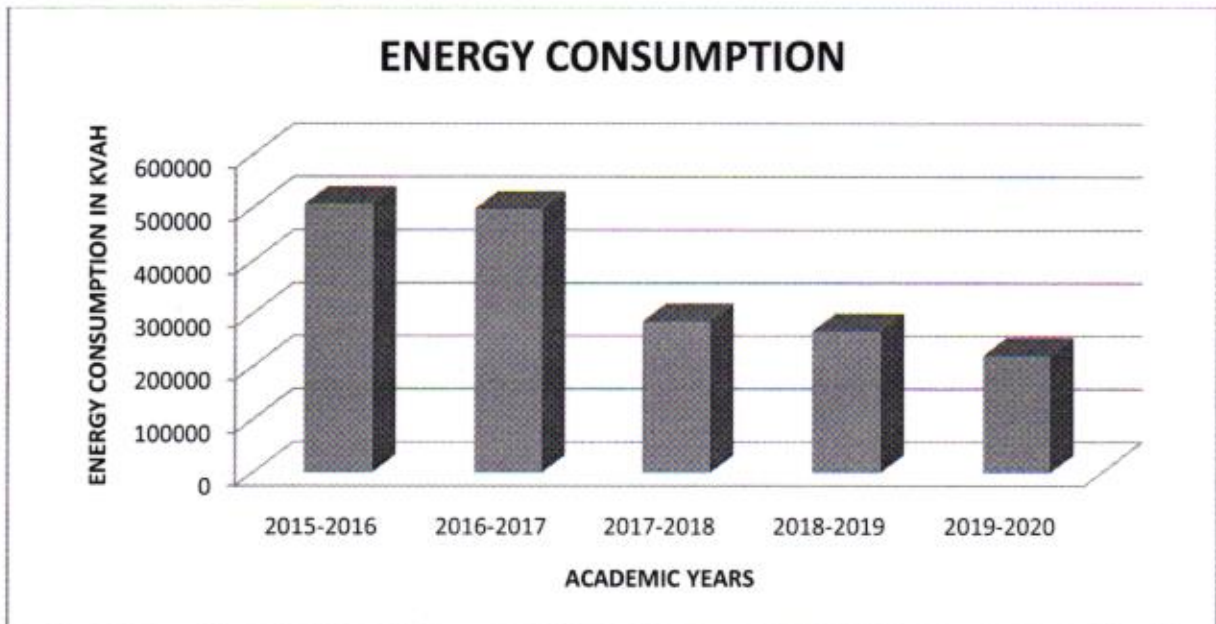


Fig 6. Yearly Energy Consumption

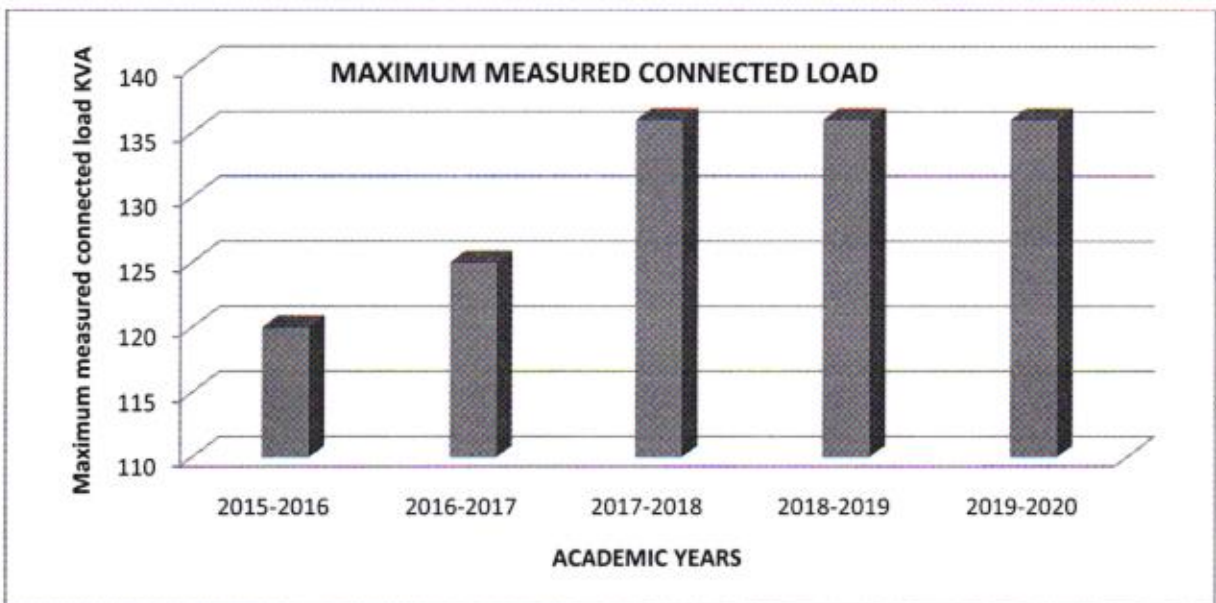


Fig 7. Yearly maximum measured connected load

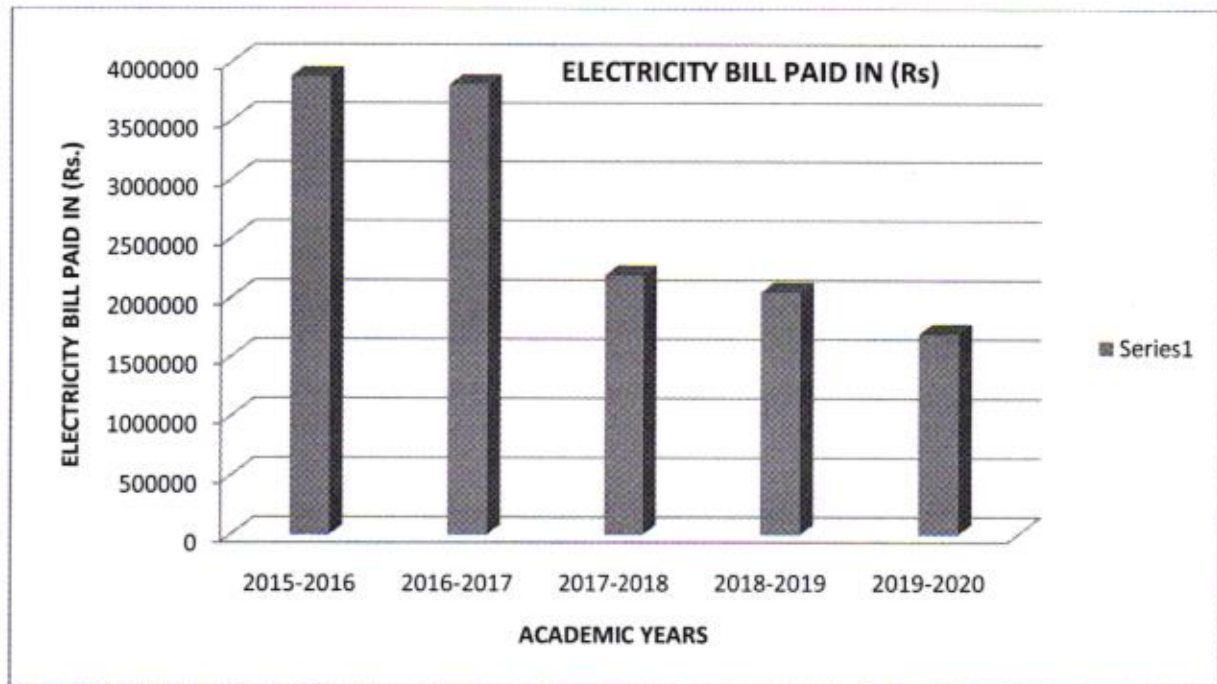


Fig 8. Yearly Electricity Bill Paid

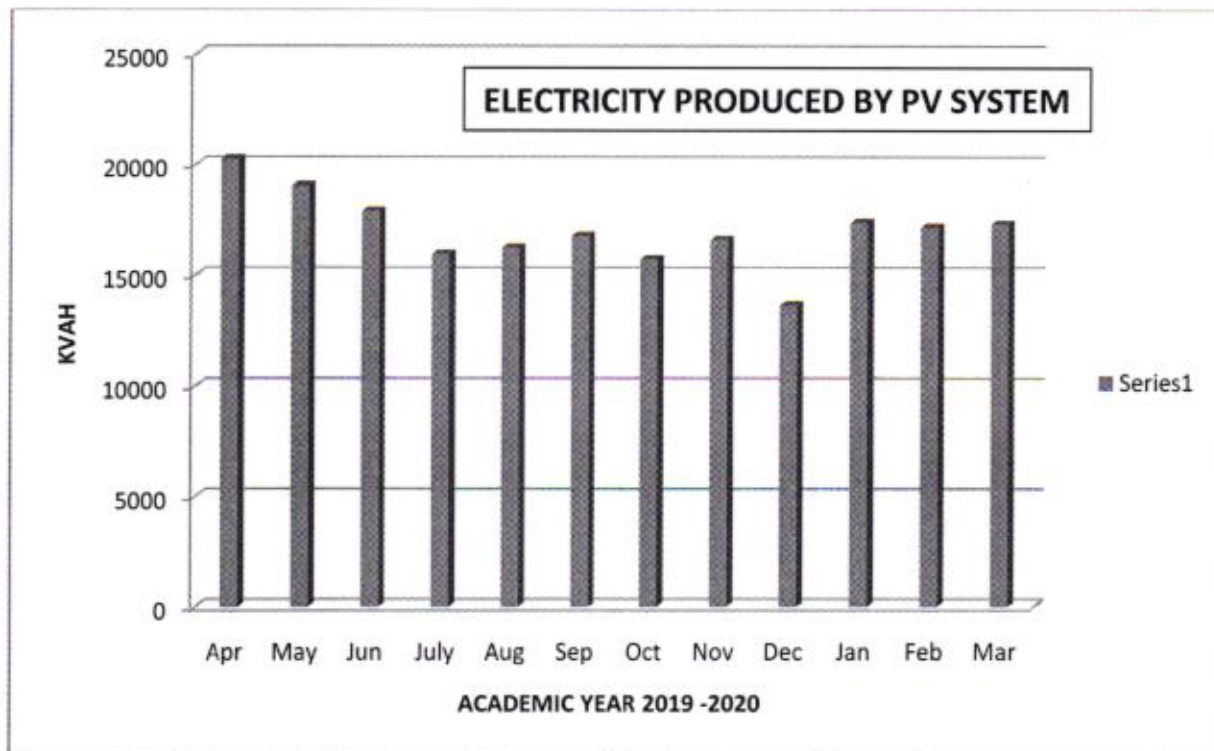


Fig 9. Month wise electrical energy generation by PV plant



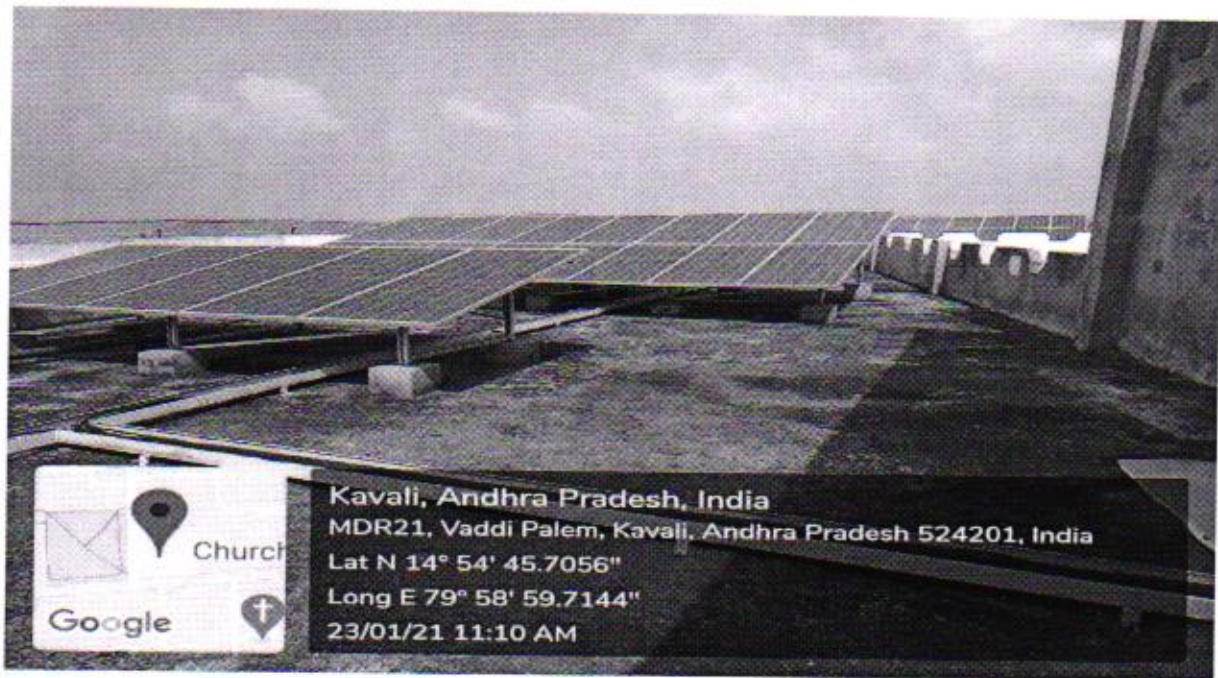


Fig 10. Solar panels in MRR Block

250 KW Solar PV plant is Installed on the rooftop of the Cotton and MRR blocks. After installation of the PV plant the energy consumption of the campus has been decreased by 35% in your 2017.

Actual energy consumed in 2016- (497958) kWh. In 2017 the energy consumed-221722 kWh
Actual energy consumed after PV system for grid = 276236 kWh

In 2019 to till date more than 70% of energy consumption is supplied by 250 KW roof top PV plant, and the maximum connected load at present (Load)-136 KVA

Near future additional Max connected load-220 KVA (Approx)

Total Maximum connected load considering future load addition 356 KVA

Draw backs of sudden increase of Maximum demand to 250 KVA from 200 KVA.

In the year 2016 the electricity bill we paid around Rs. 3809377, but in 2017 the electricity bill was Rs. 2191075. Therefore we saved the electricity charges around Rs. 1618302 because of solar PV plant.

Variation in electricity bill is due to different programs, local environment, functions. In the month of May and June energy requirement is more, because of high environmental temperature and examinations schedules

Recommendations

1. Maximum load may be increase from existing 136 KVA to 220 KVA. After analyzing the maximum connected load (not maximum possible connected load) and measured maximum demand trend from December 2015 to March 2020, it may be noticed that by addition of Solar PV plant maximum demand trend of the campus that was on rise from 2017-2018, started becoming stabilized in 2018 and same followed in 2019 up till now.

This year maximum demand of campus was 136 KVA in the month of January. Now if our college has opted for 500 KVA load means every month our college have to pay fix charge for 400 KVA i.e., Rs 475/KVA). It is expected that the peak maximum demand period for this year is already over as per the trend seen found during analysis. In case, if maximum demand in next 4 months comes as 250 then only in these upcoming four months college may have to pay extra Rs. 105051. Thus, suddenly going for 220KVA maximum demand from 136KVA is uneconomical and undesirable as per the analysis.

2. Roof-top are available in Cotton and MRR blocks can be utilized to install the PV plant of 250KW, As per roof-top solar PV plant installation policy maximum installation of rooftop PV plant can be 80% of maximum demand. So 80% of 136 KVA is 108 KVA. Already installed PV plant size is 250 KW, so we can install another 100 KW. It is suggested to install 100K W roof-top plant in women's hostel block to support the existing and future additional load.

3. Installation of vertical axis wind turbine in college campus

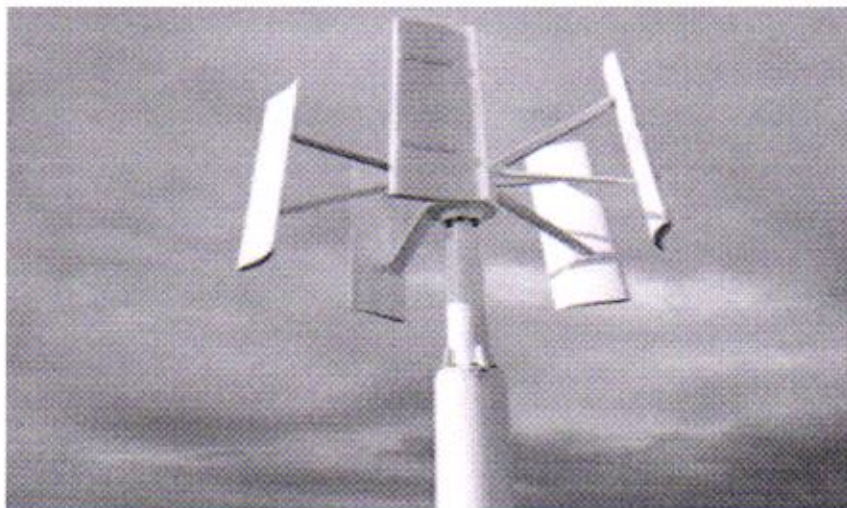


Fig 11. Vertical axis wind turbine

4. LED bulbs can be used to save more electricity and also luminary distributions in rooms need to be improved

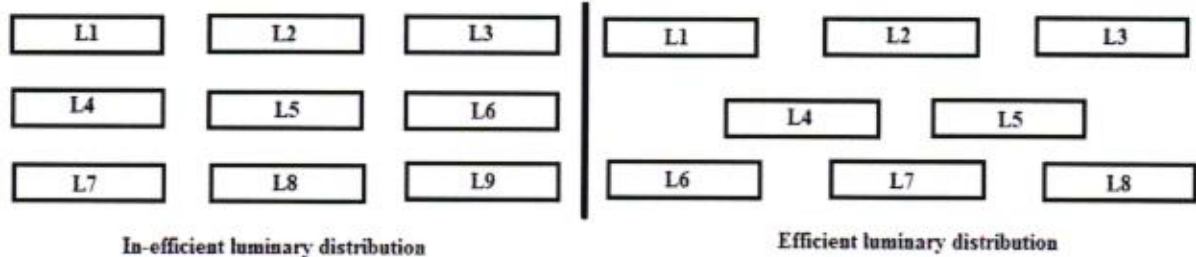


Fig: Efficient and in-efficient luminary distribution

L-represents luminary

5. AC energy saver can be used reduce the energy consumption of AC by 32-40%
6. For future constructions consideration should be given to utilize maximum daylight for illumination in buildings. That will reduce the capital investment in luminary and AC units and also reduce electricity consumption.
7. Use of measuring and controlling device just after the energy meter to limit the maximum connected load of the campus if it exceeds the maximum demand. Means load side monitoring control and management is needed.
8. Street lights should be replaced with 7W lithium battery based on street or solar mass lights.
9. For immediate power back up solution DG set of 250 KVA (100 and 150 KVA) may be installed. But we are not promoting that as it is not an eco-friendly solution. So solar off grid battery storage plant can be installed to store energy for power back-up.

Conclusion

After completion of the Energy Performance Index (EPI) calculation for PBR VITS campus, it turns out to be a 5 star building according to "BEE Star Rating of Office Buildings". In conclusion, data generated in energy audit are useful for to understand the energy distribution, utilization and energy dynamics of the college. Maximum connected load as per the present energy audit is 136 KVA while as per the last energy audit performed in March 2020, it was 136 KVA. The maximum demand of the campus should be increase from 136 KVA to 220 KVA (considering the solar PV plant of 250 KW) otherwise maximum demands may be expanded up to 250KVA. 250 KW, Solar PV plant is installed on the roof top of the Cotton block and MRR Block. After installation of the PV plant the energy consumption of the campus has been decreased by 50% in year 2018. The total saving in energy consumption in 2017 due to solar PV plants are 1618302KWh respectively. Roof-top area available in Cotton and MRR blocks could be utilized to install the PV plant of 250 KW.

This report is just the first step, a mere mile marker towards our destination of achieving energy efficiency and we would like to emphasize that an energy audit is a continuous process. We have compiled a list of potential actions to save and efficiently utilize our limited resources and identified their savings potential. The next step would be to prioritize their execution. We look forward with optimism that the institute authorities, staff and students shall ensure the maximum execution of the recommendations and the success of this work

Prepared by



(A. BHASKRACHANDRA)
Head of Department

ELECTRICAL & ELECTRONICS ENGINEERING
PBR Visvodaya Institute of Technology
KAVALI - 524 201, SPSR Nellore (A.P.)


Principal

PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. A.P.



ACCADAMIC AND ADMINISTRATIVE
AUDIT COMMITTEE



PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC with 'A' Grade)

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CIRCULAR

07-12-2020

All the members of the Academic and Administrative Audit Committee (AAAC) are hereby informed that a meeting will be held on 10-12-2020 at 10 AM in Principal's Room with the following agenda:

AGENDA:

- 1) To confirm the minutes of the last meeting of the Academic and Administrative Audit committee (AAAC).
- 2) Discussion on the reports of academic audit forms.
- 3) Discussion on improvement in the methods of academic audits.
- 4) Assigning members for department level audit and college level audit
- 5) Any other point with the approval from Chair


Principal

Principal
PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.



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Copy to

S.No	Name of the Faculty	Designation	Signature
1	Dr B Konda Reddy	Principal	
2	Dr D Prathyusha Reddi	Director Academics	
3	Mr A Suman Kumar Reddy	IQAC Coordinator	
4	Dr D S C Reddy	HOD, CSE	
5	Dr A Maheswara Rao	HOD, ECE	
6	Dr S Prakash	HOD, MEC	
7	Mr A Bhakthavachala	HOD, EEE	
8	Dr B Venkateswarlu	HOD, H & S	
9	Dr A Venkaiah	HOD, MBA	
10	Mr M Janardhan	HOD, MCA	



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MINUTES OF ACADEMIC AND ADMINISTRATIVE AUDIT COMMITTEE (AAAC)

Date of meeting 10-12-2020 Duration 10 AM to 11.00 AM

The meeting of Academic and Administrative Audit Committee (AAAC) of PBRVITS held on 10-12-2020 with the following agenda:

- 1) Review on minutes of previous meeting
- 2) Discussion on the reports of academic audit forms.
- 3) Discussion on improvement in the methods of academic audits...
- 4) Assigning members for department level audit and college level audit
- 5) Any other point with the approval from Chair

MINUTES AND RESOLUTIONS

- 1) Minutes of previous meeting were confirmed
- 2) Importance, roles and functions were presented to new members of Academic and Administrative Audit Committee (AAAC).
- 3) Reviewed the reports of different committees of the college for setting the benchmarks/parameters for the various academic" administrative, research and extension activities of the college.
- 4) Different time slots were allotted to all the departments wherein they were expected to make a power-point presentation of their department's strengths" achievements, best practices and future plans.
- 5) Reports of academic audit forms were discussed

The meeting was concluded with thanks to the Chair

Members attended the meeting on 10-12-2020

S.No	Name of the Faculty	Designation	Signature
1	Dr B Konda Reddy	Principal	
2	Dr D Prathyusha Reddi	Director Academics	
3	Mr A Suman Kumar Reddy	IQAC Coordinator	
4	Dr D S C Reddy	HOD, CSE	
5	Dr A Maheswara Rao	HOD, ECE	
6	Dr S Prakash	HOD, MEC	
7	Mr A Bhakthavachala	HOD, EEE	
8	Dr B Venkateswarlu	HOD, H & S	
9	Dr A Venkaiah	HOD, MBA	
10	Mr M Janardhan	HOD, MCA	



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CIRCULAR

12-12-2020

This is to inform all faculty members that academic and administrative audit for the previous academic year 2019-20 will be held on 19-12-2020 from 9:30AM onwards in their respective departments.

The following members are nominated as internal auditors for the following Departments.

S.No	Name of the Faculty	Designation	Auditing Department
1	Mr M. RamMohan Reddy	Associate Professor	CSE & MCA
2	Mr M. Sreehari	Asst Professor	
3	Mr. G. Venu Gopal	Associate Professor	ECE
4	Mr P. Feridoz Khan	Asst. Professor	
5	Mr A. Bhakthavachala	Associate Professor	MEC
6	Mr G Suman	Asst Professor	
7	Mr V Pavan Kumar	Asst Professor	EEE
8	Mr M Ravi Kumar	Asst Professor	
9	Mr P. Sreenivasulu	Associate Professor	H &S and MBA
10	Ms G. Sravanthi	Asst Professor	

HODs and staff members are requested to co-operate with internal auditors


Principal

Principal
PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist, Andhra Pradesh.



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2019-2020

Date: 21/12/2020

Name of the Department: ECE

Name(s) of the Audit Experts: (1) H_on. G. VENU GOPAL, ASSO. PROF.
(2) Mr. P. FERIDOZ KHAN, Asst. prof

Observations and Remarks by Audit Experts:


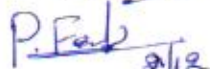
S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	Yes	Prepared as per University Calendar.
2	Lesson Plans	Yes	Prepared as per the schedule.
3	Conduction of Add-on/ Certificate courses	Yes	Conducted in core and computer skills.
4	Conduction of Remedial Classes	Yes	Conducted for slow learners.
5	Course files	Yes	Available for all subjects.
6	Coverage of Syllabus	Yes	Covered as per lesson plan within 5 class divisions.
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	Yes	Organized 25 events
8	Student Seminars	Yes	Conducted as per seminars.
9	Student Assignments	Yes	Assignments have been written by the students.
10	Students Project works	Yes	Both mini & major projects have done.
11	Internships	Yes	13 students completed internships program.
12	Student participation in Co/Extra-curricular activities	Yes	173 students participated in various projects.
13	Student achievements/ Awards	Yes	5 students got prizes.
14	Student mentoring system	Yes	Followed mentoring students.

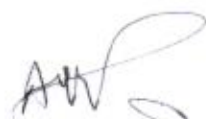
S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	yes	Received the feedback from stake holders.
16	Internal exams – Conduction and Evaluation	yes	Conducted 2 mid exams and evaluation verified.
17	Internal marks	yes	Available
18	Results Analysis	yes	Available.
19	Record of student placements and Higher studies	yes	125 students were placed in various companies.
20	Faculty workload and Time Tables	yes	Available
21	Additional responsibilities of Staff	yes	Allocated additional responsibilities to all the staff.
22	Research Publications	yes	15 publications were done by 15 staff members.
23	Conferences/ Workshops/Training Programs - Attended by faculty	yes	52 no. of faculty were attended various conferences & FDP's.
24	Conferences/ Workshops/Training Programs - Organized	yes	one conference and one FDP were conducted.
25	Sponsored Research Projects and Consultancy	NO	Staff has to be encouraged towards sponsored projects.
26	MOUs	yes	10 MOUs were made.
27	Facilities for Teaching-Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	yes	LCD projectors in all classrooms & Wi-fi facilities are available.
28	Newsletter/Magazines	yes	2 per year are available.

Overall observations and Suggestions by Audit experts:

Good. Faculty has to be encouraged towards funded projects.

Name and Signatures of the Audit experts:

- (1) 
- (2) 


 Signature of the HOD
 Head of the Department
 Electronics & Communication Engineering
 PBN Visvodaya Institute of
 Technology & Science
 KAVALI - 524 201



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2019-2020

Date: 21/12/2020

Name of the Department: Mechanical Engineering

Name(s) of the Audit Experts: (1) Mr. A. Bhakthavachala
(2) Mr. G. Suman

Observations and Remarks by Audit Experts:

S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	Yes	Prepared as per the Univ calendar
2	Lesson Plans	Yes	Prepared as per the academic calendar
3	Conduction of Add-on/ Certificate courses	Yes	Suggested to conduct. Due to covid Not conducted
4	Conduction of Remedial Classes	Yes	Conducted for slow learners
5	Course files	Yes	Available for all subjects
6	Coverage of Syllabus	Yes	Syllabus coverage was monitored by HOD
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	Yes	Organized more program for students
8	Student Seminars	Yes	Seminar conducted for all students
9	Student Assignments	Yes	Assignment submitted
10	Students Project works	Yes	All students did Inhouse project.
11	Internships	Yes	Students Attended.
12	Student participation in Co/Extra-curricular activities	Yes	60% of students actively participated
13	Student achievements/ Awards	Yes	Achieved some student.
14	Student mentoring system	Yes	All students Monitored.

S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	Yes	Received from all Stakeholders
16	Internal exams – Conduction and Evaluation	Yes	Mid Exams scheduled - 2 Evaluated by Faculty
17	Internal marks	Yes	Evaluated and Revised
18	Results Analysis	Yes	Analyzed.
19	Record of student placements and Higher studies	Yes	70% of Students Placed in various company
20	Faculty workload and Time Tables	Yes	Available.
21	Additional responsibilities of Staff	Yes	Each faculties having additional Responsibility.
22	Research Publications	Yes	Published by Faculty.
23	Conferences/ Workshops/Training Programs - Attended by faculty	Yes	Faculty have attended.
24	Conferences/ Workshops/Training Programs - Organized	Yes	workshop & Training program were conducted.
25	Sponsored Research Projects and Consultancy	Yes	Faculties are advised to apply Research Proposal.
26	MOUs	Yes	Available.
27	Facilities for Teaching-Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	Yes	All facilities are available.
28	Newsletter/Magazines	Yes	Available

Overall observations and Suggestions by Audit experts:

Overall Performance is Good.

Name and Signatures of the Audit experts:

- (1) Mr. A. Bhattacharjee
- (2) Mr. G. Kumar

Signature of the HOD
Head of Department
MECHANICAL ENGINEERING
PBR Visvodaya Institute of Technology & Science
KAVALI - 524 201, Nellore District, A.P.



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2019-20

Date: 19-12-2020

Name of the Department: EEE

Name(s) of the Audit Experts: (1) V. Pavan Kumar Asst. Prof.
(2) H. Ravi Kumar Asst. Prof.

Observations and Remarks by Audit Experts:

S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	yes	Prepare well in advance.
2	Lesson Plans	yes	Prepared as per the academic calendar
3	Conduction of Add-on/ Certificate courses	yes	Conducted
4	Conduction of Remedial Classes	yes	conducted for slow learners
5	Course files	yes	Prepared for all subjects
6	Coverage of Syllabus	yes	Completed as per schedule
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	yes	The following events organized 1. Guest lectures 2. work shop 3. Technofest
8	Student Seminars	yes	Conducted for B.Tech students
9	Student Assignments	yes	Assignment Given for EEE Tech students.
10	Students Project works	yes	Available
11	Internships	NO	need to Improve
12	Student participation in Co/Extra-curricular activities	yes	Good Participation.
13	Student achievements/ Awards	yes	Awards Received from various Engg colleges
14	Student mentoring system	yes	mentoring body available in departments.

S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	yes	HOD's taken student feed back regularly
16	Internal exams – Conduction and Evaluation	yes	Good.
17	Internal marks	yes	Available
18	Results Analysis	yes	Available
19	Record of student placements and Higher studies	yes	Available
20	Faculty workload and Time Tables	yes	Available
21	Additional responsibilities of Staff	yes	Administration & Academic Responsibilities given.
22	Research Publications	yes	
23	Conferences/ Workshops/Training Programs - Attended by faculty	yes	Attended 80% of faculty
24	Conferences/ Workshops/Training Programs - Organized	yes	organized every semester
25	Sponsored Research Projects and Consultancy	NO	Lack in Research Project.
26	MOUs	NO	Need to Improve
27	Facilities for Teaching–Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	yes	Good.
28	Newsletter/Magazines	yes	Need to Improve

Overall observations and Suggestions by Audit experts:

overall record maintain satisfactory.

Name and Signatures of the Audit experts:

- (1) V. Pavan Kumar [V. Pavan Kumar]
(2) M. Ravi Kumar [M. Ravi Kumar]


Signature of the HOD
Head of Department

ELECTRICAL & ELECTRONICS ENGINEERING
P&R Vivekaya Institute of Technology & Science
KAVALI - 524 201, SPSR Nellore (Dt) A.P



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2019-2020

Date: 19/12/2020

Name of the Department: CSE

Name(s) of the Audit Experts: (1) M. Rammohan Reddy
(2) M. Sreehari

Observations and Remarks by Audit Experts:

S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	Yes	prepared & Available in Dept, in coordination with University Calendar.
2	Lesson Plans	Yes	Available
3	Conduction of Add-on/ Certificate courses	Yes	Available - 3 - Courses Conducted.
4	Conduction of Remedial Classes	Yes	yes Available
5	Course files	Yes	Available - Add Course Materials in some Subject.
6	Coverage of Syllabus	Yes	As per The university & Dept Calendar.
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	Yes	Conducted as per The Calendar of The Department
8	Student Seminars	Yes	Available in Department
9	Student Assignments	Yes	Available in department
10	Students Project works	Yes	Available & Mini projects conducted
11	Internships	Yes	Available
12	Student participation in Co/Extra-curricular activities	Yes	93 students participation paper
13	Student achievements/ Awards	Yes	Available
14	Student mentoring system	Yes	Available

S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	Yes	Available
16	Internal exams – Conduction and Evaluation	Yes	Conducted as per Schedule
17	Internal marks	Yes	Available
18	Results Analysis	Yes	Available
19	Record of student placements and Higher studies	Yes	Available
20	Faculty workload and Time Tables	Yes	Available
21	Additional responsibilities of Staff	Yes	Available
22	Research Publications	Yes	19 - publications published by staff in various journals
23	Conferences/ Workshops/Training Programs - Attended by faculty	Yes	40 staff attended workshops conferences
24	Conferences/ Workshops/Training Programs - Organized	Yes	1 conference, 1 FDP - organized.
25	Sponsored Research Projects and Consultancy	Yes	one completed
26	MOUs	Yes	Available - 10 MOUs with Dubbert Industries
27	Facilities for Teaching-Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	Yes	Available
28	Newsletter/Magazines	Yes	Available

Overall observations and Suggestions by Audit experts:

Faculty need to apply funded projects, students were encouraged towards Higher Education through "GATE".

Name and Signatures of the Audit experts:

- (1) M. Ramulas Reddy, Ramula
- (2) M. Sreedhar, Sreedhar


Signature of the HOD

Head of Department
COMPUTER SCIENCE ENGINEERING
PBR Viswodaya Institute of Technology & Science
KAVALI - 524 201, SPSR, Nellore Dt.



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ORDER

02-07-2018

The undersigned is pleased to constitute the internal Academic & Administrative Audit Committee (AAAC) with the following members for the academic year 2018-19 to plan, and enhance the quality aspects keeping in view of NAAC accreditation process of our College:

S.No	Name of the Faculty	Designation	Role
1	Dr B Konda Reddy	Principal	Chairman
2	Dr D Prathyusha Reddi	Director Academics	Member
3	Mr A Suman Kumar Reddy	IQAC Coordinator	Member
4	Dr D S C Reddy	HOD, CSE	Member
5	Dr A Maheswara Rao	HOD, ECE	Member
6	Dr S Prakash	HOD, MEC	Member
7	Mr A Bhakthavachala	HOD, EEE	Member
8	Dr B Venkateswarlu	HOD, H & S	Member
9	Dr A Venkaiah	HOD, MBA	Member
10	Mr M Janardhan	HOD, MCA	Member

B. K. Reddy
Principal

Principal
PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhra Pradesh.



CIRCULAR

04.07.2018

All the members of the Academic and Administrative Audit Committee (AAAC) are hereby informed that a meeting will be held on 7th July 2018 at 10 AM in Principal's Room with the following agenda:

AGENDA:

- 1) To confirm the minutes of the last meeting of the Academic and Administrative Audit committee (AAAC).
- 2) Discussion on the reports of academic audit forms.
- 3) Discussion on improvement in the methods of academic audits.
- 4) Assigning members for department level audit and college level audit
- 5) Any other point with the approval from Chair

B.K. Reddy
Principal
Principal
PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.

Copy to

S.No	Name of the Faculty	Designation	Signature
1	Dr B Konda Reddy	Principal	<i>B.K. Reddy</i>
2	Dr D Prathyusha Reddi	Director Academics	
3	Mr A Suman Kumar Reddy	IQAC Coordinator	<i>A Suman</i>
4	Dr D S C Reddy	HOD, CSE	<i>D S C Reddy</i>
5	Dr A Maheswara Rao	HOD, ECE	<i>A Maheswara Rao</i>
6	Dr S Prakash	HOD, MEC	<i>S Prakash</i>
7	Dr A Bhakthavachala	HOD, EEE	<i>A Bhakthavachala</i>
8	Dr B Venkateswarlu	HOD, H & S	
9	Dr A Venkaiah	HOD, MBA	<i>A Venkaiah</i>
10	Mr M Janardhan	HOD, MCA	<i>M. Janardhan</i>



MINUTES OF ACADEMIC AND ADMINISTRATIVE AUDIT COMMITTEE (AAAC)

Date of meeting 07-07-2018 Duration 10 AM TO 11.00 AM

The meeting of Academic and Administrative Audit Committee (AAAC) of PBRVITS held on 07-07-2018 with the following agenda:

- 1) Review on minutes of previous meeting
- 2) Discussion on the reports of academic audit forms.
- 3) Discussion on improvement in the methods of academic audits...
- 4) Assigning members for department level audit and college level audit
- 5) Any other point with the approval from Chair

MINUTES AND RESOLUTIONS

- 1) Minutes of previous meeting were confirmed
- 2) Importance, roles and functions were presented to new members of Academic and Administrative Audit Committee (AAAC).
- 3) Reviewed the reports of different committees of the college for setting the benchmarks/parameters for the various academic" administrative, research and extension activities of the college.
- 4) Different time slots were allotted to all the departments wherein they were expected to make a power-point presentation of their department's strengths" achievements, best practices and future plans.
- 5) Reports of academic audit forms were discussed

The meeting was concluded with thanks to the Chair


Principal

Principal
PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.



PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE

(Affiliated to J.N.T.U.A., Approved by AICTE and Accredited by NAAC with 'A' Grade)

KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930



Members attended the meeting on 07-07-2018

S.No	Name of the Faculty	Designation	Signature
1	Dr B Konda Reddy	Principal	B. K. Reddy
2	Dr D Prathyusha Reddi	Director Academics	D. Prathyusha Reddi
3	Mr A Suman Kumar Reddy	IQAC Coordinator	A. Suman Kumar Reddy
4	Dr D S C Reddy	HOD, CSE	D. S. C. Reddy
5	Dr A Maheswara Rao	HOD, ECE	A. Maheswara Rao
6	Dr S Prakash	HOD, MEC	S. Prakash
7	Dr A Bhakthavachala	HOD, EEE	A. Bhakthavachala
8	Dr A Venkateswarlu	HOD, H & S	A. Venkateswarlu
9	Dr A Venkaiah	HOD, MBA	A. Venkaiah
10	Mr M Janardhan	HOD, MCA	M. Janardhan



PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
(Affiliated to J.N.T.U.A. Approved by AICTE and Accredited by NAAC with 'A' Grade)
KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930



CIRCULAR

22-06-2019

This is to inform all faculty members that academic and administrative audit for the previous academic year (2018-19) will be held on 29-06-2019 from 9:30AM onwards in their respective departments.

The following members are nominated as internal auditors for the following Departments.

S.No	Name of the Faculty	Designation	Auditing Department
1	Ms. M. Pavitra	Associate Professor	CSE & MCA
2	Mr L M L Narayana Reddy	Asst Professor	
3	Mr P Eswaraiah	Associate Professor	ECE
4	Mr B Murali Krishna	Asst. Professor	
5	Mr V Madhu Sudhana Reddy	Professor	MEC
6	Mr G Suman	Asst Professor	
7	Mr Y. Rajesh Kumar	Asst Professor	EEE
8	Mr M Ravi Kumar	Asst Professor	
9	Mr J. Vamseenadh	Associate Professor	H &S and MBA
10	Ms A Prasmitha	Asst Professor	

HODs and staff members are requested to co-operate with internal auditors

Principal

Principal
PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2019-2020

Date: 19-12-2020

Name of the Department: MCA

Name(s) of the Audit Experts: (1) Mr M. Ram Mohan Reddy
(2) Mr M. Sree Haxi

Observations and Remarks by Audit Experts:


S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	Yes	Prepared & Available in Department
2	Lesson Plans	Yes	Prepared as per Academic Calendar, Available
3	Conduction of Add-on/ Certificate courses	Yes	conducted one certificate course every year
4	Conduction of Remedial Classes	NO	Not conducted for PG Students
5	Course files	Yes	Prepared & Available in Department
6	Coverage of Syllabus	Yes	Available in Department
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	Yes	conducted one workshop every year
8	Student Seminars	Yes	Conducted & Available
9	Student Assignments	NO	Not conducted for PG Students
10	Students Project works	Yes	Available
11	Internships	NO	Not conducted for P.G Students
12	Student participation in Co/Extra-curricular activities	Yes	Available in Department
13	Student achievements/ Awards	NO	Motivate students to participate in activities
14	Student mentoring system	Yes	Counseling is conducted to students


S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	Yes	Available in department
16	Internal exams – Conduction and Evaluation	Yes	Available in department
17	Internal marks	Yes	Available in department
18	Results Analysis	Yes	Available in department
19	Record of student placements and Higher studies	Yes	Available in Department
20	Faculty workload and Time Tables	Yes	Available in department
21	Additional responsibilities of Staff	Yes	Available
22	Research Publications	NO	Motivate students for Publications
23	Conferences/ Workshops/Training Programs - Attended by faculty	Yes	faculty attended to the programs organized by the Dept
24	Conferences/ Workshops/Training Programs - Organized	Yes	Conducted in co-ordination with CSE Department
25	Sponsored Research Projects and Consultancy	NO	Motivate staff for Research Projects
26	MOUs	Yes	Institute MoU available
27	Facilities for Teaching–Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	Yes	Available
28	Newsletter/Magazines	Yes	one newsletter for every year

Overall observations and Suggestions by Audit experts:

Faculty & students are to motivate in
research publications & sponsored Research Projects

Name and Signatures of the Audit experts:

(1) Mr M. Ram Mohan Reddy - 

(2) Mr M. Sree Hasi - 

M. Javarethan
Signature of the HOD

Head of the Department
MASTER OF COMPUTER APPLICATIONS
Sri. Vasudeva Institute of Technology & Studies
KVA1-524201 Nellore Dist., A.P.



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2018-19

Date: 29-06-2019

Name of the Department: ELECTRICAL & ELECTRONICS ENGINEERING

Name(s) of the Audit Experts: (1) Y. RAJESH KUMAR, ASSISTANT PROFESSOR
(2) M. RAVI KUMAR, ASSISTANT PROFESSOR.

Observations and Remarks by Audit Experts:

S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	Yes	Prepared well in Advance
2	Lesson Plans	Yes	Prepared lesson plans as per the Academic Calendar
3	Conduction of Add-on/ Certificate courses	Yes	Add-on/certificate courses are conducted.
4	Conduction of Remedial Classes	Yes	Conducted for slow learners
5	Course files	Yes	Prepared for all subjects
6	Coverage of Syllabus	Yes	Completed as per schedule
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	Yes	The following events are organized 1. Guest Lectures 2. workshops 3. Technofest
8	Student Seminars	Yes	Conducted for Final year students.
9	Student Assignments	Yes	Assignments given to slow moving students.
10	Students Project works	Yes	Available
11	Internships	NO	Need to Improve
12	Student participation in Co/Extra-curricular activities	Yes	Good Participation
13	Student achievements/ Awards	Yes	Awards Received from various colleges.
14	Student mentoring system	Yes	Mentoring books are available in department.

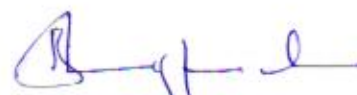
S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	Yes	Hod's taken feedbacks regularly.
16	Internal exams – Conduction and Evaluation	Yes	Conducted neatly.
17	Internal marks	Yes	Available
18	Results Analysis	Yes	Available
19	Record of student placements and Higher studies	Yes	Available
20	Faculty workload and Time Tables	Yes	Available
21	Additional responsibilities of Staff	Yes	Administrative work allotted to every staff.
22	Research Publications	Yes	
23	Conferences/ Workshops/Training Programs - Attended by faculty	Yes	Attended 75% of faculty to workshops
24	Conferences/ Workshops/Training Programs - Organized	Yes	Organized in every semester
25	Sponsored Research Projects and Consultancy	No	Lack in Research projects
26	MOUs	No	Need to Improve
27	Facilities for Teaching–Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	Yes	Good.
28	Newsletter/Magazines	No	

Overall observations and Suggestions by Audit experts:

All the records of the above mentioned items are maintained in a
very clean manner.

Name and Signatures of the Audit experts:

- (1) Y. Rakesh - Y. RAKESH KUMAR
(2) M. Ravikumar - M. RAVIKUMAR


Signature of the HOD

Head of Department
ELECTRICAL & ELECTRONICS ENGINEERING
* 2 Visvesvaraya Institute of Technology & Science
AVALI - 524 201, SPSR Nellore (Dt) A.P



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2018-19

Date: 29/5/2019

Name of the Department: ECE

Name(s) of the Audit Experts: (1) **DR. P. ESWARAIAN**, Associate Professor
 (2) **MR. B. MURALI KRISHNA**

Observations and Remarks by Audit Experts:

S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	Yes	Prepared well in advance as per Acad. Calendar (University)
2	Lesson Plans	Yes	Prepared for all subjects and sections as per Acad. Calendar
3	Conduction of Add-on/ Certificate courses	Yes	Conducted 2 courses on core and 2 on computing skills
4	Conduction of Remedial Classes	Yes	Conducted remedial classes for slow learners in all subjects
5	Course files	Yes	Prepared course files to all subjects
6	Coverage of Syllabus	Yes	Syllabus covered as per lesson plan with 15 hrs deviation
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	Yes	Different events were organized for students as per action plan
8	Student Seminars	Yes	Seminars conducted for all students
9	Student Assignments	Yes	Assignments submitted
10	Students Project works	Yes	All students have done the projects
11	Internships	Yes	10 students completed Internship programs
12	Student participation in Co/Extra-curricular activities	Yes	198 students attended
13	Student achievements/ Awards	Yes	22 students got awards
14	Student mentoring system	Yes	20:1 Mentoring system was maintained

S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	Yes	Received and analyze the feedback
16	Internal exams – Conduction and Evaluation	Yes	2 Hrd term exams were conducted
17	Internal marks	Yes	Internal marks recorded
18	Results Analysis	Yes	Results analyzed and recorded
19	Record of student placements and Higher studies	Yes	Available 125-students got placements
20	Faculty workload and Time Tables	Yes	Available
21	Additional responsibilities of Staff	Yes	Different responsibilities were allocated
22	Research Publications	Yes	26 Journal publications
23	Conferences/ Workshops/Training Programs - Attended by faculty	Yes	49 faculty have attended
24	Conferences/ Workshops/Training Programs - Organized	Yes	one Conference and one FDP programs were conducted
25	Sponsored Research Projects and Consultancy	Yes	Advised to apply for Funded Projects
26	MOUs	Yes	12 more with institutions
27	Facilities for Teaching–Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	Yes	Projectors are available in every class
28	Newsletter/Magazines	Yes	2 Per year available

Overall observations and Suggestions by Audit experts:

Good, More students are to be motivated to take internship

Name and Signatures of the Audit experts:

- (1) 
- (2)  29/6/2019

Head of the Department
 Information & Communication Engineering
 Signature of the HOD
 K. J. Somaiya Institute of
 Technology & Science
 KAVALI - 524 201



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2018-19

Date: 29/6/2019

Name of the Department: Computer Science and Engineering

Name(s) of the Audit Experts: (1) M. Paritha
(2) L.M.L. Nangan Reddy

Observations and Remarks by Audit Experts:

S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	yes	Available
2	Lesson Plans	yes	Available
3	Conduction of Add-on/ Certificate courses	yes	Available
4	Conduction of Remedial Classes	yes	Conducted & Available
5	Course files	yes	Available
6	Coverage of Syllabus	yes	Available
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	yes	Available and Conducted as per the Department Action plan
8	Student Seminars	yes	Available
9	Student Assignments	yes	Available
10	Students Project works	yes	Available
11	Internships	yes	Available
12	Student participation in Co/Extra-curricular activities	yes	150 students participated PPTs checked
13	Student achievements/ Awards	yes	Available
14	Student mentoring system	yes	Available

S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	yes	Available
16	Internal exams – Conduction and Evaluation	yes	Available
17	Internal marks	yes	Available
18	Results Analysis	yes	Available in Department
19	Record of student placements and Higher studies	yes	Available in Department
20	Faculty workload and Time Tables	yes	Available in Department
21	Additional responsibilities of Staff	yes	Available in Dept
22	Research Publications	yes	30 - publications staff
23	Conferences/ Workshops/Training Programs - Attended by faculty	yes	10 - conference - 24 FDP attended staff
24	Conferences/ Workshops/Training Programs - Organized	yes	1 - Conference - 1 FDP organized by Dept
25	Sponsored Research Projects and Consultancy	yes	one Research project by Dept
26	MOUs	yes	Available - 12 MOUs
27	Facilities for Teaching-Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	yes	Available as Required for The Department
28	Newsletter/Magazines	yes	Available

Overall observations and Suggestions by Audit experts:

Staff and students were encouraged to research and students encouraged to Higher Studies

Name and Signatures of the Audit experts:

- (1) M. Partha - partha
- (2) CMC. Mangaraj - [Signature]

Signature of the HOD

Head of Department
COMPUTER SCIENCE ENGINEERING
PBA Vengal Rao Institute of Technology & Sciences
KAYALI - 524 201, SPSR, Nellore Dt.



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2018-2019

Date: 29-06-2019

Name of the Department: MCA

Name(s) of the Audit Experts: (1) MS. M. Pavithra
(2) Mr. L. M. L. Narayanas Reddy

Observations and Remarks by Audit Experts:

S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	Yes	Available
2	Lesson Plans	Yes	Available
3	Conduction of Add-on/ Certificate courses	Yes	Conducted 1 course for every year
4	Conduction of Remedial Classes	NO	Not conducted for P.G students
5	Course files	Yes	Available
6	Coverage of Syllabus	Yes	Available, as per lesson plan
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	Yes	one workshop organized every year
8	Student Seminars	Yes	Available
9	Student Assignments	NO	Not conducted for P.G students
10	Students Project works	Yes	Available
11	Internships	NO	Not conducted for P.G students
12	Student participation in Co/Extra-curricular activities	Yes	Available
13	Student achievements/ Awards	NO	Motivate students to participate in activities
14	Student mentoring system	Yes	Counseling is conducted to students

S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	Yes	Available
16	Internal exams – Conduction and Evaluation	Yes	Available
17	Internal marks	Yes	Available
18	Results Analysis	Yes	Available
19	Record of student placements and Higher studies	Yes	Available
20	Faculty workload and Time Tables	Yes	Available
21	Additional responsibilities of Staff	Yes	Available
22	Research Publications	NO	Motivate students & staff for publications
23	Conferences/ Workshops/Training Programs - Attended by faculty	Yes	Faculty attended to the programs organized by the dept
24	Conferences/ Workshops/Training Programs - Organized	Yes	Conducted in co-ordination with CSE
25	Sponsored Research Projects and Consultancy	NO	Motivate faculty for Research projects
26	MOUs	Yes	Institute MOUs Available
27	Facilities for Teaching–Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	Yes	Available
28	Newsletter/Magazines	Yes	one newsletter every year.


Overall observations and Suggestions by Audit experts:

Faculty Motivation for sponsored Research projects
Students Motivation for Research Publications

Name and Signatures of the Audit experts:

(1) MS M. Paritra - 

(2) MY L.M.L Narayana Reddy - 


Signature of the HOD

Head of the Department
MASTER OF COMPUTER APPLICATION
PBR Vaidyanatha Institute of Technology & Science
KAVALI-524201, Nellore Dist., A.P.



ACADEMIC & ADMINISTRATIVE AUDIT REPORT

Academic Year: 2018-2019

Date: 29/6/2019

Name of the Department: Mechanical Engineering.

Name(s) of the Audit Experts: (1) V. Madhu Sudhan Reddy
(2) G. Suman

Observations and Remarks by Audit Experts:

S.No.	Item	Verification Yes/No	Remarks / Suggestions
1	Department Academic Calendar	Yes	Prepared well in advance
2	Lesson Plans	Yes	Prepared as per the schedule
3	Conduction of Add-on/ Certificate courses	Yes	Conducted
4	Conduction of Remedial Classes	Yes	conducted for slow learners
5	Course files	Yes	prepared for all subjects
6	Coverage of Syllabus	Yes	Faculty has completed syllabus as per lesson plan
7	Events organized for Students (Guest Lectures/ Workshops/ Training programs/Industrial visits/ Technofest/ Project Exhibition/ Any other, specify)	Yes	different Events organized students.
8	Student Seminars	Yes	Seminar conducted
9	Student Assignments	Yes	Assignment submitted
10	Students Project works	Yes	all students project works submitted
11	Internships	Yes	Some students went to internship
12	Student participation in Co/Extra-curricular activities	Yes	15-20 student of each year participated
13	Student achievements/ Awards	Yes	
14	Student mentoring system	Yes	As per 20:1 ratio students mentored

S.No.	Item	Verification Yes/No	Remarks / Suggestions
15	Feedbacks received from Stakeholders (Students, Parents, Alumni, Industry experts/Employer)	Yes	feedbacks received
16	Internal exams – Conduction and Evaluation	Yes	conducted & evaluated
17	Internal marks	Yes	evaluated & available
18	Results Analysis	Yes	completed & available
19	Record of student placements and Higher studies	Yes	students placed in various companies
20	Faculty workload and Time Tables	Yes	work load & timetable available
21	Additional responsibilities of Staff	Yes	responsibility allocated
22	Research Publications	Yes	journals publications available
23	Conferences/ Workshops/Training Programs - Attended by faculty	Yes	Attended
24	Conferences/ Workshops/Training Programs - Organized	Yes	organized
25	Sponsored Research Projects and Consultancy	No	No sponsored project available
26	MOUs	Yes	available
27	Facilities for Teaching–Learning (Class rooms, Labs, Equipment, Computers and Internet...etc)	Yes	available
28	Newsletter/Magazines	Yes	available

Overall observations and Suggestions by Audit experts:

Good, suggestion given to faculty to place more journals

Name and Signatures of the Audit experts:

- (1) V. Madhusudhan Reddy *V.M.R.*
- (2) A. Suman *Suman*

B. K. Rao
 Signature of the HOD
 Head of Department
MECHANICAL ENGINEERING
 PBR Visvodaya Institute of Technology & Science
 KAVALI - 524 201, Nellore District, A.P.

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>


Roll No: NPTEL19CS65S52310853

To
PVN RAJESWARI
#11-33-959, NEAR PARK, VENGALARAO NAGAR
KAVALI
NELLORE
ANDHRA PRADESH
524201
PH. NO :9848152408

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
PVN RAJESWARI
for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **76** %

Online Assignments	24.56/25	Proctored Exam	51/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 7675

A. Goswami

Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur

Jul-Oct 2019
(12 week course)



Indian Institute of Technology Kharagpur



Roll No: NPTEL19CS65S52310853

To validate and check scores: <https://nptel.ac.in/noc/>



Roll No: NPTEL19CS23S11660023

To
JAVANGULA VAMSINATH
3-8-22 VISHNALAYAM STREET KAVALI
KAVALI
NELLORE
ANDHRA PRADESH
524201
PH. NO :9440045969

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully completed the course
<40	No Certificate



No. of credits recommended by NPTEL:2



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
JAVANGULA VAMSINATH
for successfully completing the course



Introduction to Soft Computing

with a consolidated score of **78** %

Online Assignments	24.00/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 1144

Jan-Mar 2019
(8 week course)

A. Goswami
Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL19CS23S11660023

To validate and check scores: <http://nptel.ac.in/noc>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>


Roll No: NPTEL19CS64S32310734

To
PVN RAJESWARI
#11-33-959, NEAR PARK, VENGALARAO NAGAR
KAVALI
NELLORE
ANDHRA PRADESH
524201
PH. NO :9848152408

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
PVN RAJESWARI
for successfully completing the course
Cloud Computing



with a consolidated score of **76** %

Online Assignments	22.54/25	Proctored Exam	53.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 2460

Aug-Oct 2019
(8 week course)

A. Goswami

Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL19CS64S32310734

To validate and check scores: <https://nptel.ac.in/noc/>



**PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE**

(Affiliated to J.N.T.U., Anantapur & Approved by AICTE, New Delhi, Accredited by NAAC 'A')

KAVALI - 524 201, S.P.S.R. Nellore Dist., A.P., India. ☎ 08626 - **243930**



Late Dr. Doodu Ramachandra Reddy
Founder, Visvodaya

CIRCULAR

14-06-2018

All the members of the Academic and Administrative Audit Committee (AAAC) are hereby informed that a meeting will be held on 16-06-2018 at 10 AM in Principal's Room with the following agenda:





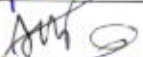


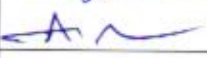
AGENDA:

- 1) To confirm the minutes of the last meeting of the Academic and Administrative Audit committee (AAAC).
- 2) Discussion on the reports of academic audit forms.
- 3) Discussion on improvement in the methods of academic audits.
- 4) Discussion about auditing procedures.
- 5) Discussion about evaluation formats.
- 6) Assigning members for department level audit and college level audit
- 7) Any other point with the approval from Chair

Principal

PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.

Copy to

S.No	Name of the Faculty	Designation	Signature
1	Dr N Sessaiah	Principal	
2	Dr D Prathyusha Reddi	Director Academics	
3	Dr B Konda Reddy	IQAC Coordinator	
4	Dr D S C Reddy	HOD, CSE	
5	Dr A Maheswara Rao	HOD, ECE	
6	Mr A Bhakthavachala	HOD, EEE	
7	Dr B Venkateswarlu	HOD, H & S	
8	Dr A Venkaiah	HOD, MBA	
9	Mr M Janardhan	HOD, MCA	



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Late Dr. Dodla Ramachandra Reddy
Founder, Visvodaya.

MINUTES OF ACADEMIC AND ADMINISTRATIVE AUDIT COMMITTEE (AAAC)

Date of meeting 16-06-2018, Duration 10 AM to 11.30 AM

The meeting of Academic and Administrative Audit Committee (AAAC) of PBRVITS held on 16-06-2018 with the following agenda:

- 1) Review on minutes of previous meeting
- 2) Discussion on the reports of academic audit forms.
- 3) Discussion on improvement in the methods of academic audits...
- 4) Discussion about auditing procedures
- 5) Discussion about evaluation formats.
- 6) Assigning members for department level audit and college level audit
- 7) Any other point with the approval from Chair

MINUTES AND RESOLUTIONS

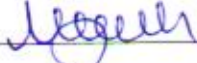




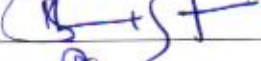

- 1) Minutes of previous meeting were confirmed
- 2) Importance, roles and functions were presented to the members of Academic and Administrative Audit Committee (AAAC).
- 3) Reviewed the reports of different committees of the college for setting the benchmarks/parameters for the various academic" administrative, research and extension activities of the college.
- 4) To constitute the standing committee for mock assessment process needed for preparation of NAAC assessment.
- 5) Different time slots were allotted to all the departments wherein they were expected to make a power-point presentation of their department's strengths" achievements, best practices and future plans.
- 6) Reports of academic audit forms were discussed

The meeting was concluded with thanks to the Chair


Principal

PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.

Members attended the meeting on 16-06-2018

S.No	Name of the Faculty	Designation	Signature
1	Dr N Seshaiiah	Principal	
2	Dr D Prathyusha Reddi	Director Academics	
3	Dr B Konda Reddy	IQAC Coordinator	
4	Dr D S C Reddy	HOD, CSE	
5	Dr A Maheswara Rao	HOD, ECE	
6	Mr A Bhakthavachala	HOD, EEE	
7	Dr B Venkateswarlu	HOD, H & S	
8	Dr A Venkaiah	HOD, MBA	
9	Mr M Janardhan	HOD, MCA	


Principal

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*Late Dr. Dodla Ramachandra Reddy
Founder, Visvodaya.*

CIRCULAR

18-06-2018

This is to inform all faculty members that academic and administrative audit for the previous academic year 2017-18 will be held on 25-06-2018 from 9:30 am onwards in their respective departments.

The following members are nominated as internal auditors for the following Departments.

S.NO	NAME FO THE FACULTY	DESIGNATION	AUDITING DEPARTMENT
1	Mr N. Krishna Chaitanya	Associate Professor	CSE & MCA
2	Mr K. Ashok Kumar	Asst.Professor	
3	Ms. T. Manjula	Associate Professor	ECE
4	Mr P. Kamalakar	Asst. Professor	
5	Mr Y. Vamsee Babu	Associate Professor	MEC
6	Mr B. Balaji	Asst Professor	
7	Mr D Pavan Kumar	Associate Professor	EEE
8	Mr T. Muneiah	Asst Professor	
9	Mr P Eswaraiah	Associate Professor	H&S and MBA
10	Mr J. Udaya Arun Kumar	Asst. Professor	

HODs and staff members are requested to co-operate with internal auditors


Principal

**PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.**



CIRCULAR

16-06-2017

All the members of the Academic and Administrative Audit Committee (AAAC) are hereby informed that a meeting will be held on 19-06-2017 at 10 AM in Principal's Room with the following agenda:

AGENDA:

- 1) To confirm the minutes of the last meeting of the Academic and Administrative Audit committee (AAAC).
- 2) Discussion on the reports of academic audit forms.
- 3) Discussion on improvement in the methods of academic audits.
- 4) Discussion about auditing procedures.
- 5) Discussion about evaluation formats.
- 6) Assigning members for department level audit and college level audit
- 7) Any other point with the approval from Chair

Principal

Principal
PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.

Copy to

S.No	Name of the Faculty	Designation	Signature
1	Dr N Seshaiiah	Principal	
2	Dr D Prathyusha Reddi	Director Academics	
3	Dr B Konda Reddy	IQAC Coordinator	
4	Dr D S C Reddy	HOD, CSE	
5	Dr A Maheswara Rao	HOD, ECE	
6	Mr A Bhakthavachala	HOD, EEE	
7	Dr B Venkateswarlu	HOD, H & S	
8	Dr A Venkaiah	HOD, MBA	
9	Mr M Janardhan	HOD, MCA	



MINUTES OF ACADEMIC AND ADMINISTRATIVE AUDIT COMMITTEE (AAAC)

Date of meeting 19-06-2017, Duration 10 AM to 11.30 AM

The meeting of Academic and Administrative Audit Committee (AAAC) of PBRVITS held on 19-06-2017 with the following agenda:

- 1) Review on minutes of previous meeting
- 2) Discussion on the reports of academic audit forms.
- 3) Discussion on improvement in the methods of academic audits...
- 4) Discussion about auditing procedures
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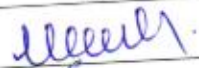




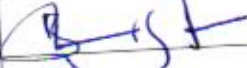


MINUTES AND RESOLUTIONS


- 1) Minutes of previous meeting were confirmed
- 2) Importance, roles and functions were presented to the members of Academic and Administrative Audit Committee (AAAC).
- 3) Reviewed the reports of different committees of the college for setting the benchmarks/parameters for the various academic" administrative, research and extension activities of the college.
- 4) To constitute the standing committee for mock assessment process needed for preparation of NAAC assessment.
- 5) Different time slots were allotted to all the departments wherein they were expected to make a power-point presentation of their department's strengths" achievements, best practices and future plans.
- 6) Reports of academic audit forms were discussed

The meeting was concluded with thanks to the Chair

Principal
PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.

Members attended the meeting on 19-06-2017

S.No	Name of the Faculty	Designation	Signature
1	Dr N Seshaiiah	Principal	
2	Dr D Prathyusha Reddi	Director Academics	
3	Dr B Konda Reddy	IQAC Coordinator	
4	Dr D S C Reddy	HOD, CSE	
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Principal
PARVATHAREDDY BABUL REDDY
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KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.



CIRCULAR

23-06-2017

This is to inform all faculty members that academic and administrative audit for the previous academic year 2016-17 will be held on 30-06-2017 from 9:30 am onwards in their respective departments.

The following members are nominated as internal auditors for the following Departments.

S.NO	NAME OF THE FACULTY	DESIGNATION	AUDITING DEPARTMENT
1	Mr V Narayana Reddy	Associate Professor	CSE & MCA
2	Mr A Suman Kumar Reddy	Associate Professor	
3	Mr P Srinivasulu	Associate Professor	ECE
4	Mr B Murali Krishna	Asst. Professor	
5	Mr A Bhakthavachala	Associate Professor	MEC
6	Mr G Suman	Asst Professor	
7	Mr V Pavan Kumar	Asst Professor	EEE
8	Mr M Ravi Kumar	Asst Professor	
9	Mr P Eswaraiah	Associate Professor	H&S and MBA
10	Mr SK Shabeer Basha	Associate Professor	

HODs and staff members are requested to co-operate with internal auditors

Principal

Principal

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VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
KAVALI-524201, SPSR Nellore Dist. Andhrapradesh.