



**SVB-GDC, KKL**

# **ZOOLOGY PROJECT REPORT**

**2022**

**Identifying incidence  
and degree of malnutrition  
in children living in  
Bheemunipadu village,  
Nandyala district**

**B.Z.C. Students of Second year, Batch-2  
Completed this project and submitted  
to the Department of Zoology**

# Participants

**E. Sreenath**



**E. Sudheer**



**M. Lokesh Kumar**



**O. Ashok**



**O. Obulesu**



**S. Ashok Reddy**



**S. Raj Kumar**



**U. Sreenath**



**Community Service Project (CSP)**

**Identifying incidence and degree of malnutrition in children's  
living in Bheemunipadu village, Nandyala district.**

**Project Submitted in Partial fulfillment for the Award of the Degree of**



**BACHELOR OF SCIENCE  
(BOTANY, ZOOLOGY, CHEMISTRY)**

*By*

*Student Name:* E. Sudheer

*Hall ticket No:* 20358041016

**Under the esteemed guidance of**

**DR. H. RAMASUBBA REDDY,  
M.Sc, B.Ed, M.Phil, Ph.D.**

*Lecturer in Zoology*

**DEPARTMENT OF ZOOLOGY  
S.V.B GOVERNMENT DEGREE COLLEGE**

**(Affiliated to Rayalaseema University)  
KOILAKUNTLA, Nandyala Dist.**

**2021 – 2022**

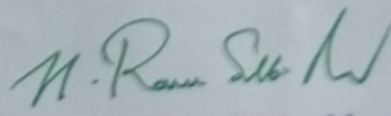
**S.V.B GOVERNMENT DEGREE COLLEGE**  
(Affiliated to Rayalaseema University)  
KOILAKUNTLA, Nandyala (Dt.)

**CERTIFICATE**

This is to certify that the Project Report titled "Identifying incidence and degree of malnutrition in children's living in Bheemunipadu village, Nandyala district" was carried out by

Student Name: E-Sudheer Hall-ticket No:

20358041016 This is submitted in partial fulfillment for the award of the Degree of Bachelor of Science (Botany, Zoology, Chemistry) of Rayalaseema University, Kurnool, during the academic year **2021 - 2022.**

  
Signature of the Mentor

# **INDEX**

---

**1. Introduction**

**2. Review of Literature**

**3. Methodology**

**4. Data collection**

**5. Diagrammatic Representation**

**6. Data Analysis**

**7. Inference**

**8. References**

## Introduction

Bheemunipadu is a Village in Koilakuntla Mandal in Nandyala District of Andhra Pradesh State, India. It belongs to Rayalaseema region. It is located 35 KM towards South from District head quarters Nandyala. 5 KM from Koilkuntla. 382 KM from State capital Vijayawada. Bheemunipadu Pin code is 518134 and postal head office is Koilakuntla .

Agriculture is the main source in this village. There is a temple called Padmanabha swami temple. In this temple every year they celebrate the Festival called TIRUNALLA. Chickpeas are the main thing in the Agriculture. The formers in this village will not go to the Weigh Bridge, instead of that they have 'KATA' which is maintained by a Person called 'Sharabhu' who belongs to viswabrahmin (Kamsali) cast family. Sharabhu will weight all the grains. All the people will have trust on him.

### Bheemunipadu 2011 Census Details

Bheemunipadu Local Language is Telugu. Bheemunipadu Village Total population is 2311 and number of houses are 649. Female Population is 50.0%. Village literacy rate is 57.2% and the Female Literacy rate is 23.0%.

| Census Parameter                      | Census Data    |
|---------------------------------------|----------------|
| Total Population                      | 2311           |
| Total No of Houses                    | 649            |
| Female Population %                   | 50.0 % ( 1156) |
| Total Literacy rate %                 | 57.2 % ( 1321) |
| Female Literacy rate                  | 23.0 % ( 532)  |
| Scheduled Tribes Population %         | 0.0 % ( 0)     |
| Scheduled Caste Population %          | 32.4 % ( 749)  |
| Working Population %                  | 57.4 %         |
| Child(0 -6) Population by 2011        | 272            |
| Girl Child(0 -6) Population % by 2011 | 44.5 % ( 121)  |

## Review of Literature

Every living organism requires food, which is quite essential for carrying out its physical and mental activities, growth and development. For normal growth and development, man requires some specific nutrients like carbohydrates, proteins, fats, vitamins, minerals, roughage and water in right proportion and sufficient quantity, which he gets through the food he eats. The food, which provides all these essential nutrients in proper amounts, is called balanced diet. The deficiency or even excess of any of these in a person's diet results into disorders regarding nutrition, which may be collectively, called malnutritional disorders. The condition in which the people become weak and sick because of insufficient and unbalanced food is called malnutrition. A large no of people in our country and other developing countries suffer from malnutrition because of poverty, lack of education, wrong notions and frequent pregnancies. The main cause of malnutrition is poverty. The deficiency diseases are of three types:

1. Protein energy malnutrition (PEM)-the condition of being nourished on low protein and low energy diet is called Protein Energy Malnutrition or PEM. So, deficiency of carbohydrates, fats and proteins in PEM. It is the most important nutritional disorder affecting Indian children, in the age of period 1-3 years. The symptoms of PEM are:
  - (A) Loss in weight and height
  - (B) Poor muscular development
  - (C) Susceptible to many diseases of respiratory and gastro intestinal systems.
2. Mineral deficiency disease (Anemia, Goiter and Rickets): these are caused due to the deficiency of either iron or iodine. The symptoms are: either he will feel tiredness easily or there will be swelling in his throat region of neck. Goiter is an endemic disease (the diseases, restricted to a given reason and arising from its specific environmental condition are called endemic diseases) which is more common in hilly areas because soil of hilly areas is poor in iodine. Due to this the drinking water as well as food grown in this area is deficient in iodine. So, it leads goiter among them.
3. Vitamin deficiency disease: the diseases which are caused due to the deficiency of Vitamins in diet are called Vitamin Deficiency diseases. Some of the diseases that are caused due to the deficiency of Vitamins are Night blindness, Exophthalmia, Beri-Beri.
  - (A) Night Blindness and Xerophthalmia: these are caused due to the deficiency of Vitamin A (retinol).

(B) Beri-Beri: the deficiency of vitamin B1 causes beri-beri. Vitamin B1 is also called anti beri-beri or antineuretic factor

### **Types of Malnutrition**

In human beings, these disorders may be classified into three categories-UNDER NUTRITION, which means the malnutrition, caused due to the availability of less food for a long period. For example slow starvation, which is found most in extremely poor or low income group people.

Excessive nutrition that means disorders developed due to overfeeding or over-eating for a long time. For example obesity. Such disorders are more evident in the families belonging to the middle class families or rich category.

Deficiency disease which are caused due to the lack of a specific nutrient in our diet. For example protein energy malnutrition, mineral deficiency diseases like anemia etc. such diseases may be found in nearly every family-rich, middle class or poor. It is thus evident that the problem of malnutrition is not confined to poor families alone but is spreading fast even in the middle and rich class families. If the increasing level of diseases in children due to the malnutrition is not taken care off than this may result into excessive weakness or obesity after a few years. We must not forget that malnutrition affects the immune system of a child which may cause frequent sickness, increase the possibility of infections from communicable diseases like cold and cough etc. So, malnutrition must be checked in the childhood itself.

### **Importance of studying malnutrition**

Today we are living in computer age. The work that required a long time to be completed can now be done within a few seconds. In other words man is progressing in his mental abilities, but if we measure the physical standards, we will find he is becoming physically weak and now he is not so able as he used to be.

Now, the question arises what is the cause behind this physical disability, that even after attaining complete independence in the field of agriculture, children of our country are suffering from malnutrition. Malnutrition in children can prove as an obstruction in the progress of any country because today's children are tomorrow's future. Therefore for the progress of a country it is necessary that its children are healthy.

Malnutrition is found in rich and middle class families also. Although, the type and level is different from the one found in poor families still it is a serious problem.

## **METHODOLOGY**

Methods adapted: Community survey and community awareness.

### **Timeline:**

First week: Community survey. This includes the door-to-door survey along with the collection of data in the form of questionnaire. Different age groups are selected for the collection of data. A comparative study of occurrence of malnutrition in school children is selected for this purpose.

Second week: Community awareness. Under this programme, an attempt to create the awareness regarding the malnutrition has been made by the team members individually. Different class students are addressed separately for this purpose.

Third week: All the data collected has been compiled in the form of project report. This includes the analysis of data. Based on this, definite conclusions are drawn regarding the prevalence of the disease. This includes the graphical representation of the data.

Fourth week: It includes the presentation of our project work to the internal viva committee at the college level individually.

## **DATA COLLECTION**

Students of the college visited Bheemunipadu village and reached Govt. school to collect data. Weighing machine, tape are used in this project, the formats listed below are used for collecting data and drawing conclusions.

1. Questionnaire
2. Tabular columns
3. Graphical representations.

**SVB GOVERNMENT DEGREE COLLEGE  
KOILKUNTALA**

**Questionnaire**

Name of the student:

Name of the faculty mentor:

Name of the villager:

| S.no | Question                                    |  |
|------|---------------------------------------------|--|
| 1    | Which class you are studying?               |  |
| 2    | Do you have habit of taking junk food?      |  |
| 3    | What is your age?                           |  |
| 4    | Specify the gender?                         |  |
| 5    | What type of food you are eating every day? |  |
| 6    | At what time you wake up in the morning?    |  |
| 7    | At what time you go to sleep at night?      |  |

|    |                                                          |  |
|----|----------------------------------------------------------|--|
| 8  | How frequently you check your weight?                    |  |
| 9  | How much time do you spend in a day watching TV/Mobiles? |  |
| 10 | Are you doing home work regularly?                       |  |
| 11 | How frequently you take outside food?                    |  |
| 12 | Is there any family history of diseases?                 |  |
| 13 | Which food you like more?                                |  |
| 14 | Are you taking egg in your diet regularly?               |  |
| 15 | Do you like panipuri?                                    |  |
| 16 | Do you know about malnutrition?                          |  |

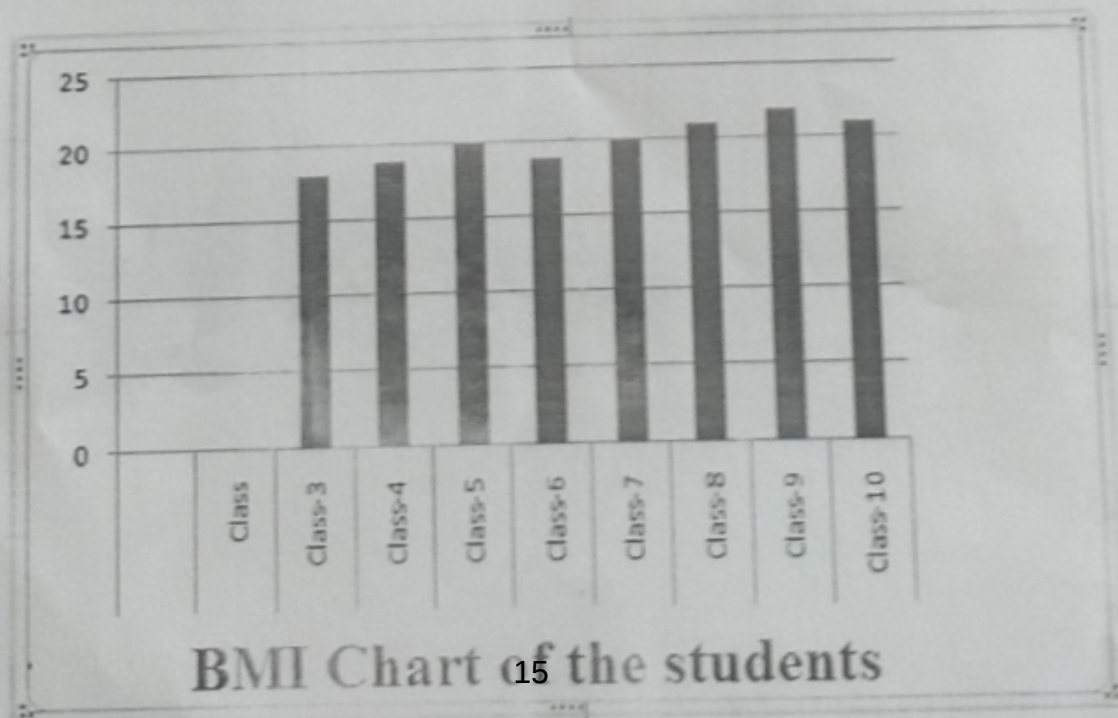
| S.No | CHILD ID   | CHILD NAME                        | STUDYING CLASS | SECTION | GENDER | HEIGHT | WEIGHT |
|------|------------|-----------------------------------|----------------|---------|--------|--------|--------|
| 1    | 2041107440 | GAJULA REHAN HUSSAIN              | 3              | A       | MALE   | 3.7    | 18.1   |
| 2    | 2041107447 | KAMPAMALLA HUSSAINA AFREEN        | 3              | A       | FEMALE | 3.6    | 16.7   |
| 3    | 2041107459 | NALLAMANDU NANDINI                | 3              | A       | FEMALE | 3.8    | 18.1   |
| 4    | 2041107466 | TAMBALI MANJULA                   | 3              | A       | FEMALE | 3.5    | 15.2   |
| 5    | 2041118631 | EDIGE GURUMOHAN                   | 3              | A       | MALE   | 3.6    | 14.7   |
| 6    | 1911005213 | DESETTY SRI VIDYA                 | 4              | A       | FEMALE | 4.2    | 23     |
| 7    | 1911005220 | MANGALI VEERA BHAVANI             | 4              | A       | FEMALE | 3.7    | 18.9   |
| 8    | 1911005228 | MULINTI LAKSHMI VARUN             | 4              | A       | MALE   | 4.2    | 24.7   |
| 9    | 1911005236 | PULA MAMMAD                       | 4              | A       | MALE   | 3.9    | 18.9   |
| 10   | 1911005295 | SURATI SIVA KEERTHI               | 4              | A       | FEMALE | 3.9    | 17.8   |
| 11   | 1911005317 | VEPALAGARI UDAY KIRAN             | 4              | A       | MALE   | 4.2    | 21.5   |
| 12   | 2041157586 | DUDEKULA KRUTHIKA                 | 4              | A       | FEMALE | 3.9    | 18.8   |
| 13   | 1811007901 | SHAIK ASIYA                       | 5              | A       | FEMALE | 4.3    | 21.5   |
| 14   | 1811009257 | SARABU VENKATA UDAY CHARAN        | 5              | A       | MALE   | 3.9    | 18.8   |
| 15   | 1811009258 | TABALA VYSHNAVI                   | 5              | A       | FEMALE | 4      | 21.2   |
| 16   | 1811009259 | MINGI VENKATA SREEKANTH GOUD      | 5              | A       | MALE   | 4.6    | 25.8   |
| 17   | 1811014385 | BODANAM SUSMANATH ACHARI          | 5              | A       | MALE   | 4.5    | 23.8   |
| 18   | 1811018369 | EDIGA MAHIDHAR GOUD               | 5              | A       | MALE   | 4.2    | 21.4   |
| 19   | 1811018373 | VADDE HYMAVATHI                   | 5              | A       | FEMALE | 4.2    | 22.5   |
| 20   | 1811024900 | DUDEKULA TURPUNATI USHALINI       | 5              | A       | FEMALE | 4.7    | 34.5   |
| 21   | 1811024901 | DUDEKULA TURPUNATI HUSSAIN BE     | 5              | A       | FEMALE | 4.3    | 30.9   |
| 22   | 1811044624 | DUDEKULA PUNITH KUMAR             | 5              | A       | MALE   | 4.4    | 30     |
| 23   | 1811056016 | MANGALI MADHU PRIYA               | 5              | A       | FEMALE | 4      | 25     |
| 24   | 1911014565 | TALARI JAHNAVI                    | 5              | A       | FEMALE | 4.2    | 20.6   |
| 25   | 1611006896 | DABBAGALLA MAHA LAKSHMI           | 6              | A       | FEMALE | 4.3    | 25     |
| 26   | 1611018685 | PASUPULA SUSHANTH                 | 6              | A       | MALE   | 4.2    | 21     |
| 27   | 1611061322 | PUJARI UDAY KUMAR                 | 6              | A       | MALE   | 5      | 35     |
| 28   | 1711016370 | BARIGELA SATISH KUMAR             | 6              | A       | MALE   | 4.4    | 29     |
| 29   | 1711033028 | PUJARI SHANTHI                    | 6              | A       | FEMALE | 3.9    | 28     |
| 30   | 1711033361 | KAMPAMALLA MOHAMMAD HUSSAIN BASHA | 6              | A       | MALE   | 4.4    | 32     |
| 31   | 1711042565 | LINGALDINNE MAA BASHA             | 6              | A       | MALE   | 4.5    | 35     |
| 32   | 1711045941 | PUJARI CHANDHAN RAJ               | 6              | A       | MALE   | 4.6    | 35     |
| 33   | 1711047270 | CHAKALI BHAGYA LAKSHMI            | 6              | A       | FEMALE | 4.3    | 26.3   |
| 34   | 1711047287 | POOLA ABDUL GAFUR                 | 6              | A       | MALE   | 4.3    | 26.3   |
| 35   | 1711053283 | CHAKALI NAVEEN                    | 6              | A       | MALE   | 4.3    | 28     |
| 36   | 1711054706 | MOOLINTI LAKSHMIKUMARI            | 6              | A       | FEMALE | 4.6    | 44.3   |
| 37   | 1711054718 | KAMPAMALLA SHAHIN                 | 6              | A       | FEMALE | 4.6    | 41.8   |
| 38   | 1711057125 | BHIMUNIPATI ASHA BI               | 6              | A       | FEMALE | 4.4    | 23.2   |
| 39   | 1711082004 | AMADALA SONI                      | 6              | A       | FEMALE | 4.4    | 30     |
| 40   | 1711083786 | KARNATI HEMALATHA                 | 6              | A       | FEMALE | 4.6    | 43.3   |
| 41   | 1811004641 | BANGI VISHNUVARDHAN               | 6              | A       | MALE   | 5.1    | 49.8   |
| 42   | 1811007169 | EDIGA MEGHANA                     | 6              | A       | FEMALE | 4.3    | 27     |
| 43   | 1511728188 | PASUPALA MADHU SEKSHA             | 7              | A       | MALE   | 4.4    | 32     |
| 44   | 1610029272 | TIRUPALADENNE MD LATHIF           | 7              | A       | MALE   | 4.4    | 25.2   |
| 45   | 1611001653 | NEGHALA KAVITHA                   | 7              | A       | FEMALE | 4.5    | 29.9   |

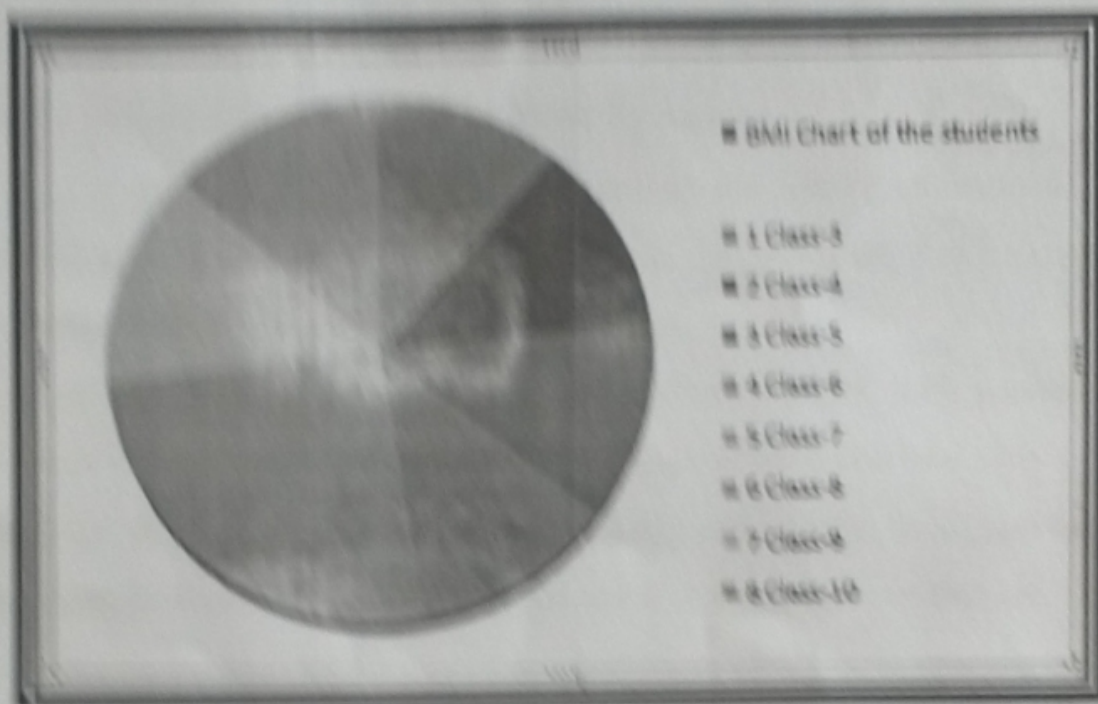
|    |             |                                |   |   |        |     |      |
|----|-------------|--------------------------------|---|---|--------|-----|------|
| 46 | 1511024098  | GUNDUNWALLA SUBHASHI           | 7 | A | MALE   | 4.7 | 29.9 |
| 47 | 1511024100  | SHAIK AFRIN                    | 7 | A | FEMALE | 4.6 | 32   |
| 48 | 1511024137  | SIRRAWALLA ANOK                | 7 | A | MALE   | 4.3 | 32.4 |
| 49 | 1511027405  | SHAIK HASMIN                   | 7 | A | FEMALE | 4.3 | 32.4 |
| 50 | 1511029830  | PUJARI ADITYA                  | 7 | A | MALE   | 4.5 | 30   |
| 51 | 15110212586 | TALARI KISHNU VARDHANI         | 7 | A | MALE   | 5.1 | 40.8 |
| 52 | 15110218152 | PONNAMPALI HUSSAINA BEE        | 7 | A | FEMALE | 4.6 | 30.9 |
| 53 | 15110218652 | CHAKALI PADMALA                | 7 | A | FEMALE | 3.9 | 40.2 |
| 54 | 15110219797 | LOGI CHANDRAHAS                | 7 | A | MALE   | 4.2 | 38   |
| 55 | 15110511159 | VADDE MUGANDHAR                | 7 | A | MALE   | 4.4 | 25   |
| 56 | 15110241138 | VADDE SUNTHA                   | 7 | A | FEMALE | 4.3 | 38   |
| 57 | 15110254134 | MERROLA KALYA                  | 7 | A | FEMALE | 4.8 | 44   |
| 58 | 15110558011 | PALLE RENUKA DEVI              | 7 | A | FEMALE | 4.5 | 32.4 |
| 59 | 1511065497  | TAMMALI VEERESH                | 7 | A | MALE   | 4.6 | 34.5 |
| 60 | 15110810362 | SHAIK REHAN                    | 7 | A | MALE   | 4.2 | 35.3 |
| 61 | 15110244838 | TALARI SAI PUJITHA             | 7 | A | FEMALE | 4.9 | 37.8 |
| 62 | 15110216271 | MULINTI BHARATHI DEVI          | 8 | A | FEMALE | 4.3 | 35   |
| 63 | 1511064768  | KONDA SUNNIESULA BALAJI        | 8 | A | MALE   | 5.4 | 38.6 |
| 64 | 1511517309  | BARIGELLA DEVANAH              | 8 | A | FEMALE | 4.7 | 37.6 |
| 65 | 1511531786  | MERROLA ASHOK KUMAR            | 8 | A | MALE   | 4.4 | 26.2 |
| 66 | 1511531798  | PIDATALLA PALLAVI              | 8 | A | FEMALE | 4.4 | 25.9 |
| 67 | 1511531822  | PUJARI KISHNU VARDHANI         | 8 | A | MALE   | 4.7 | 46.2 |
| 68 | 1511538826  | KAMPANWALLA SHAIK HUSSAIN VALI | 8 | A | MALE   | 4.7 | 39.9 |
| 69 | 1511538846  | DESETTI USHA RANI              | 8 | A | FEMALE | 4.6 | 30.1 |
| 70 | 1511538856  | DESETTI SUMITRA DEVI           | 8 | A | FEMALE | 4.4 | 23.4 |
| 71 | 1511538186  | MEMLA UMADevi                  | 8 | A | FEMALE | 4.6 | 33.5 |
| 72 | 1511560168  | PALLE KRANKUMAR REDDI          | 8 | A | MALE   | 4.9 | 34.7 |
| 73 | 1511670131  | QUDEKULA SIDDALAH              | 8 | A | MALE   | 5.1 | 37.2 |
| 74 | 1511670140  | CHAKALI PAKANI                 | 8 | A | FEMALE | 4.6 | 41.4 |
| 75 | 15116701375 | WATTA HEPSIBA                  | 8 | A | FEMALE | 4.5 | 35.2 |
| 76 | 1511054762  | MABISAB GARI MABU HUSSAIN      | 8 | A | MALE   | 5.3 | 35.2 |
| 77 | 1511086264  | SHAIK HUSSAIN BASHA            | 8 | A | MALE   | 4.8 | 36.6 |
| 78 | 1511251515  | M.BARATHI DEVI                 | 9 | A | MALE   | 4.7 | 61   |
| 79 | 1511252838  | PUJARI JAGAN                   | 9 | A | MALE   | 5.8 | 40.1 |
| 80 | 1511252841  | PUJARI JEEVITHA                | 9 | A | FEMALE | 4.5 | 28.5 |
| 81 | 1511252843  | NEGALA SONI                    | 9 | A | FEMALE | 4.8 | 38.6 |
| 82 | 1511252855  | LOGI GOWRI LOKESH              | 9 | A | MALE   | AB  | AB   |
| 83 | 1511252856  | LOGI VENKATA SAI               | 9 | A | MALE   | AB  | AB   |
| 84 | 1511252862  | PEDATHALA SUSHANTH             | 9 | A | MALE   | 5.3 | 45.2 |
| 85 | 1511252867  | GUNDURI VISHNU                 | 9 | A | MALE   | 5.3 | 35.2 |
| 86 | 1511252871  | NEGALA RAJU                    | 9 | A | MALE   | AB  | AB   |
| 87 | 1511252889  | OMK MAHAMMAD GHOUSE            | 9 | A | MALE   | AB  | AB   |
| 88 | 1511252932  | MEKALA VIKARAM SAI             | 9 | A | MALE   | 4.7 | 40.2 |
| 89 | 1511253001  | THURPLINATI HUSSAIN VALI       | 9 | A | MALE   | 4.7 | 35.7 |
| 90 | 1511253011  | PONNAMPALI SAMEERA             | 9 | A | FEMALE | 5   | 58.8 |
| 91 | 1511253016  | VADDE ANJALI                   | 9 | A | FEMALE | AB  | AB   |
| 92 | 1511253021  | VADDE PURANDESWARI             | 9 | A | FEMALE | 4.9 | 43.9 |
| 93 | 1511253037  | DESETTI DEVANANDINI            | 9 | A | FEMALE | 4.4 | 38.9 |

|     |            |                             |    |   |        |     |      |
|-----|------------|-----------------------------|----|---|--------|-----|------|
| 94  | 1511259244 | MANGALI SUMATHI             | 9  | A | FEMALE | 4.7 | 36.9 |
| 95  | 1511259254 | DUDEKULA SIDDU              | 9  | A | MALE   | 4.8 | 38   |
| 96  | 1511259262 | PONNAMPALLI KAMALIBI        | 9  | A | FEMALE | 4.7 | 41.6 |
| 97  | 1511264770 | NARSIPALLI NAGAVUJAYA       | 9  | A | FEMALE | 5.2 | 41.6 |
| 98  | 1511264771 | KONKA HARSHAVARDHAN         | 9  | A | MALE   | 4.5 | 27.3 |
| 99  | 1511264772 | MANGALI PADMAVATHI          | 9  | A | FEMALE | 4.4 | 24.3 |
| 100 | 1511264773 | SHAIK NOOR MAHAMMAD         | 9  | A | MALE   | 5.5 | 69.9 |
| 101 | 1511267216 | SREERAMULLA YASHODA         | 9  | A | FEMALE | AB  | AB   |
| 101 | 1511269635 | SREERAMULA MANOJ KUMAR      | 9  | A | MALE   | AB  | AB   |
| 101 | 1511269647 | SREERAMULA CHARAN           | 9  | A | MALE   | AB  | AB   |
| 104 | 1511269687 | SREERAMULA CHARLESS         | 9  | A | MALE   | AB  | AB   |
| 105 | 1511269696 | SREERAMULA PULLAIAH         | 9  | A | MALE   | 5   | 46.8 |
| 106 | 1511269703 | SREERAMULA RAJU             | 9  | A | MALE   | AB  | AB   |
| 107 | 1511321732 | DOODEKULA MOULI DASTAGIRI   | 9  | A | MALE   | 4.5 | 39.4 |
| 108 | 1511422523 | KAMPAMALLA MABU HUSSAIN     | 9  | A | MALE   | 5.3 | 39.4 |
| 109 | 1511510869 | TALARI CHANDRAKALA          | 9  | A | FEMALE | AB  | AB   |
| 110 | 1511573119 | EDIGA MANI TEJA             | 9  | A | FEMALE | 4.3 | 25.7 |
| 111 | 1511619083 | MODDUGALLA SANJITH          | 9  | A | MALE   | 5.3 | 34.8 |
| 112 | 1511662219 | KAMPAMALLA RESHMA           | 9  | A | FEMALE | 4.2 | 35   |
| 113 | 1711096435 | SHAIK SAJUN                 | 9  | A | FEMALE | AB  | AB   |
| 114 | 1811052170 | BANGI VISHNAVI              | 9  | A | FEMALE | 4.4 | 30.2 |
| 115 | 1511099080 | SRIRAMULA CHANDRAKALA       | 10 | A | FEMALE | AB  | AB   |
| 116 | 1511099164 | PIDATALA ARUNAKUMARI        | 10 | A | FEMALE | AB  | AB   |
| 117 | 1511099193 | BARIGELA LAVANYA            | 10 | A | FEMALE | 4.9 | 53   |
| 118 | 1511099204 | PIDATALA SUPRIYA            | 10 | A | FEMALE | 5.1 | 33.5 |
| 119 | 1511099210 | JOGI PARAMESWARI            | 10 | A | FEMALE | 5.1 | 47.9 |
| 120 | 1511108040 | INENI KALPANA               | 10 | A | FEMALE | 4.9 | 40.2 |
| 121 | 1511113518 | CHAKALI VENKATATEJA         | 10 | A | MALE   | 5.8 | 71.6 |
| 122 | 1511126332 | DUDEKULA ANWAR HUSSAIN      | 10 | A | MALE   | 5.3 | 53.4 |
| 123 | 1511126376 | GUNDUMALLA NAGA SUBBARAYUDU | 10 | A | MALE   | 5.4 | 40.1 |
| 124 | 1511126380 | SHARIFSHAGARI HUSSAIAH VALI | 10 | A | MALE   | 5.6 | 44.5 |
| 125 | 1511126385 | DWARA NAGAJYOTHI            | 10 | A | FEMALE | 4.9 | 34.7 |
| 126 | 1511126449 | LAKA VENKATASUHASINI        | 10 | A | FEMALE | AB  | AB   |
| 127 | 1511126453 | SUDDAPALLE MYBHUN           | 10 | A | FEMALE | 4.8 | 40   |
| 128 | 1511126457 | KALUGOTLA KYRUSHMA          | 10 | A | FEMALE | 4.7 | 34.7 |
| 129 | 1511126462 | GOOTUPALLI RASHEEDA         | 10 | A | FEMALE | 4.8 | 45.6 |
| 130 | 1511126544 | MANGALI MEGHASRAVANI        | 10 | A | FEMALE | 4.7 | 34.9 |
| 131 | 1511126572 | DASUGARI MANICHANDRA        | 10 | A | MALE   | 5.5 | 40.2 |
| 132 | 1511264767 | DUDEKULA SUMATI             | 10 | A | FEMALE | 4.6 | 65.9 |
| 133 | 1511360723 | CHAKALI ROJA                | 10 | A | FEMALE | 4.5 | 26.3 |
| 134 | 1511533935 | MANGALI GOVARDHAN           | 10 | A | MALE   | 5.2 | 35.9 |
| 135 | 1511572071 | EDIGA MANASA                | 10 | A | FEMALE | 5.1 | 36.7 |
| 136 | 1511602354 | SHAIK TASLEM                | 10 | A | FEMALE | 4.7 | 51.3 |
| 137 | 1811065511 | SAYYAD MUBINNA              | 14 | A | FEMALE | 4.9 | 40.2 |
| 138 | 1911075505 | CHAKALI VAISHNAVI           | 10 | A | FEMALE | 4.9 | 39.9 |

## Graphical Representation of data

| BMI Chart of the students |          |     |
|---------------------------|----------|-----|
| S.No.                     | Class    | BMI |
| 1                         | Class-3  | 18  |
| 2                         | Class-4  | 19  |
| 3                         | Class-5  | 20  |
| 4                         | Class-6  | 19  |
| 5                         | Class-7  | 20  |
| 6                         | Class-8  | 21  |
| 7                         | Class-9  | 22  |
| 8                         | Class-10 | 21  |





## **DATA ANALYSIS**

There are two reasons for Malnutrition in middle and high school students

1. Inbalanced diet
2. Ignorance of wrong food habits in children by parents.

It is also found that some parents are totally unaware of what a balanced diet should consist of. They don't know the importance of balanced diet. They only care that their children eat adequate diet.

If child wants to eat chips, samosas, maggi, Noodles, pastries, their parents do not resist. Parents themselves also eat junk food and allow their children also.

Children don't want to eat green vegetables. They only prefer food items made of potatoes which increases their weight. Cold drinks, chocolates, coffee etc. that give sufficient calories but don't give nutrition.

Therefore, parents need to improve food habits of their children. They should take balanced diet.

Earlier boys and girls were treated differently. So, girls were found to suffer from malnutrition. But, today that is not the case.

### **Suggestions for preventions**

Malnutrition in children is a major obstruction in progress of a nation. In our country about 60% children are suffering from malnutrition. Therefore, it is very important to eradicate this problem completely. After working on this project we suggest the following ways to prevent malnutrition:

1. Guardians, themselves must change their food style, as children learn their food habits from their home.
2. Mothers should breast feed their children for adequate period.
3. Children should be provided medical checkup from time to time.
4. Teachers must give information to students on how to prevent disease from malnutrition.

5. All the people should eat the food which is sufficiently boiled.

What we came to know after preparing this project

All the data collected for the project revealed that most of the children suffer from malnutrition due to their wrong food habits and eating imbalanced diet. If the parents show a little concern towards their children, this problem can also be eradicated. Meetings between parents, teachers and child specialist doctors would be of much help in solving this problem. All these steps should be taken in a hurry because today's children are tomorrow's future.

### **Collected data**

In a survey which was held in our own school last year, it came to light that:

1. only 5% students in the age group of 8-10 years like green vegetables.
2. 3% students like pulses.
3. only 2% students like milk.
4. 5% students like fruits.
5. 40% students like maggi, Noodles.
6. 40% students like cold drink.
7. 5% students like juice.

In this survey study of malnutrition in students was done according to the weight of the children. It was found that 15% children are weighing above the normal weight, 70% children are weighing the normal weight and only 15% children are found with the below normal weight.

Also in this survey it was found that 80% students have low frequency of infection while 20% students have high frequency of infection.

Also the activities of the children were examined and were observed which revealed that 25% children were lazy while 75% were found active.

## References

1. Contemporary issues in childhood malnutrition by Jyothi Ratan Ghose
2. What is malnutrition by L.Roberts
3. Malnutrition and school feeding by John Charles Gebhart
4. India's Undernourished Children : A Call for Reform and Action by Michele Gragnolati, Caryn Bredenkamp, Meera Shekar, Monica Das Gupta, Yi-Kyoung Lee

## Web links

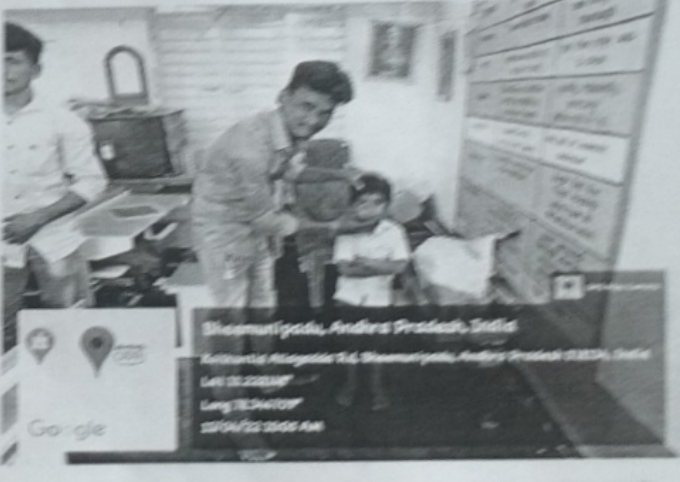
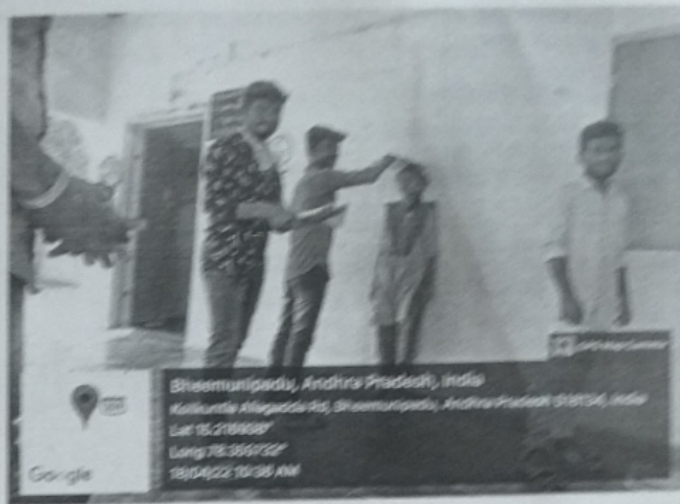
[https://www.who.int/health-topics/malnutrition#tab=tab\\_1](https://www.who.int/health-topics/malnutrition#tab=tab_1)

<https://www.who.int/news-room/fact-sheets/detail/malnutrition#:~:text=There%20are%204%20broad%20sub,deficiencies%20in%20vitamins%20and%20minerals.>

[http://conflict.lshtm.ac.uk/page\\_115.htm](http://conflict.lshtm.ac.uk/page_115.htm)

<https://my.clevelandclinic.org/health/diseases/22987-malnutrition>

# Community Service Project Photos - Bheemunipadu Village



# EVALUATION

## Student Self-Evaluation for the Community Service Project

Student Name: E. Sudhmer

Registration No: 20358041016

Period of CSP: From: To:

Date of Evaluation:

Please rate your performance in the following areas:

Rating Scale: Letter grade of CGPA calculation to be provided

|    |                                    |   |   |   |   |   |
|----|------------------------------------|---|---|---|---|---|
| 1  | Oral communication                 | 1 | 2 | 3 | 4 | 5 |
| 2  | Written communication              | 1 | 2 | 3 | 4 | 5 |
| 3  | Proactiveness                      | 1 | 2 | 3 | 4 | 5 |
| 4  | Interaction ability with community | 1 | 2 | 3 | 4 | 5 |
| 5  | Positive Attitude                  | 1 | 2 | 3 | 4 | 5 |
| 6  | Self-confidence                    | 1 | 2 | 3 | 4 | 5 |
| 7  | Ability to learn                   | 1 | 2 | 3 | 4 | 5 |
| 8  | Work Plan and organization         | 1 | 2 | 3 | 4 | 5 |
| 9  | Professionalism                    | 1 | 2 | 3 | 4 | 5 |
| 10 | Creativity                         | 1 | 2 | 3 | 4 | 5 |
| 11 | Quality of work done               | 1 | 2 | 3 | 4 | 5 |
| 12 | Time Management                    | 1 | 2 | 3 | 4 | 5 |
| 13 | Understanding the Community        | 1 | 2 | 3 | 4 | 5 |
| 14 | Achievement of Desired Outcomes    | 1 | 2 | 3 | 4 | 5 |
| 15 | OVERALL PERFORMANCE                | 1 | 2 | 3 | 4 | 5 |

Date:

E. Sudhmer  
Signature of the Student

## Evaluation by the Person in-charge in the Community/Habitation

|                                             |
|---------------------------------------------|
| Student Name: E-Sudheer                     |
| Registration No: 2035801016                 |
| Period of CSP: From: To: 13/4-22 - 12-6-22. |
| Date of Evaluation: 10/11/2022              |
| Name of the Person in-charge: K. Sahail     |
| Address with mobile number: 9133801125.     |

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

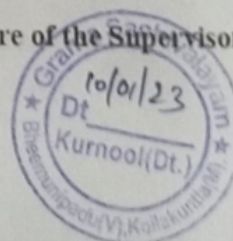
Rating Scale: 1 is lowest and 5 is highest rank

|    |                                    |   |   |     |     |     |
|----|------------------------------------|---|---|-----|-----|-----|
| 1  | Oral communication                 | 1 | 2 | 3   | 4 ✓ | 5   |
| 2  | Written communication              | 1 | 2 | 3 ✓ | 4   | 5   |
| 3  | Proactiveness                      | 1 | 2 | 3   | 4 ✓ | 5   |
| 4  | Interaction ability with community | 1 | 2 | 3   | 4 ✓ | 5 ✓ |
| 5  | Positive Attitude                  | 1 | 2 | 3   | 4   | 5 ✓ |
| 6  | Self-confidence                    | 1 | 2 | 3   | 4 ✓ | 5   |
| 7  | Ability to learn                   | 1 | 2 | 3   | 4   | 5 ✓ |
| 8  | Work Plan and organization         | 1 | 2 | 3   | 4 ✓ | 5   |
| 9  | Professionalism                    | 1 | 2 | 3   | 4 ✓ | 5   |
| 10 | Creativity                         | 1 | 2 | 3   | 4   | 5 ✓ |
| 11 | Quality of work done               | 1 | 2 | 3   | 4 ✓ | 5   |
| 12 | Time Management                    | 1 | 2 | 3   | 4 ✓ | 5 ✓ |
| 13 | Understanding the Community        | 1 | 2 | 3   | 4   | 5 ✓ |
| 14 | Achievement of Desired Outcomes    | 1 | 2 | 3   | 4   | 5 ✓ |
| 15 | OVERALL PERFORMANCE                | 1 | 2 | 3   | 4   | 5 ✓ |

Date: 10/11/2022.

K. Sahail

Signature of the Supervisor



## INTERNAL ASSESSMENT STATEMENT

Name Of the Student:

*E. Sudheer*

Programme of Study:

Year of Study:

*2021 - 2023*

Group:

*(B10) B2C*

Register No/H.T. No:

*20318041016*

Name of the College:

*S.V.B. Degree College.*

University:

*Dayalaseema University.*

| SLNo | Evaluation Criterion                     | Maximum Marks | Marks Awarded |
|------|------------------------------------------|---------------|---------------|
| 1.   | Activity Log                             | 20            | 18            |
| 2.   | Community Service Project Implementation | 30            | 22            |
| 3.   | Mini Project Work                        | 25            | 20            |
| 4.   | Oral Presentation                        | 25            | 10            |
|      | GRAND TOTAL                              | 100           | 70            |

Date: *22/12/2022*

*H. Ram Subb N*  
Signature of the Faculty Guide

Certified by

*345*

Date:

Seal:

Signature of the Head of the Department/Principal

**PRINCIPAL**

**S.V.B. GOVT. DEGREE COLLEGE  
KOILKUNTLA, NANDYAL (D)**

