

SR&BGNR GOVT. ARTS AND SCIENCE COLLEGE (A), KHAMMAM



2018-2019

## DEPARTMENT OF ZOOLOGY



Skill  
Enhancement  
Course

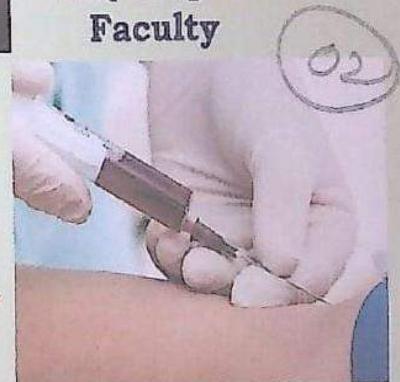
with Hands-on  
Experience

by Experienced  
Faculty



Head Dept. of Zoology  
S.R. & B.G.N.R. Govt. College  
KHAMMAM - 507 004

Certificate Course  
in  
**CLINICAL PATHOLOGY**



## **CLINICAL PATHOLOGY THEORY SYLLABUS**

(Total instruction hours 30)

### **MODULE-I**

1. Introduction, history and scope of clinical pathology.
2. Introduction to Bio-chemistry.
3. Code of ethics for medical lab technicians.

### **MODULE-II (Structure and pathogeneity of Protozoan parasites)**

- 1)Entamoeba histolytica
- 2)Plasmodium

### **MODULE-III (Structure and pathogeneity of Helminth parasites)**

- 1)Ascaris lumbricoides
- 2)Schistosoma haematobium
- 3)Wucheraria bancrofti

### **MODULE-IV (HAEMATOLOGY)**

- 1) Blood Sample collection
- 2) Blood groups
- 3) Blood cell counting
- 4)Estimation of haemoglobin

### **MODULE-V (IMMUNOLOGY)**

- 1) Types of immunity,,immune responses
- 2) Hypersensitivity
- 3) Cytological examination of diseased tissue, Biopsy and autopsy

## **CLINICAL PATHOLOGY PRACTICAL SYLLABUS**

1. Estimation of haemoglobin (Sahlis haematin method)
2. Urine analysis - sugar (Benedicts reagent method)
3. Urine analysis-(10 parameters using automatic urine analyser  
Strip method)
4. Erythrocyte Sedimentation Rate (ESR)
5. Platelet count
6. Microscopic examination of parasites
  - 1) Entamoeba histolytica
  - 2) Plasmodium
  - 3) Entamoeba histolytica
  - 4) Taenia solium
  - 5) Schistosoma haematobium
  - 6) Wucheraria bancrofti



**SR & BGNR GOVT. ARTS & SCIENCE COLLEGE (A)**

(Reaccredited at B++ by NAAC) (An ISO 9001 : 2015 Institution)

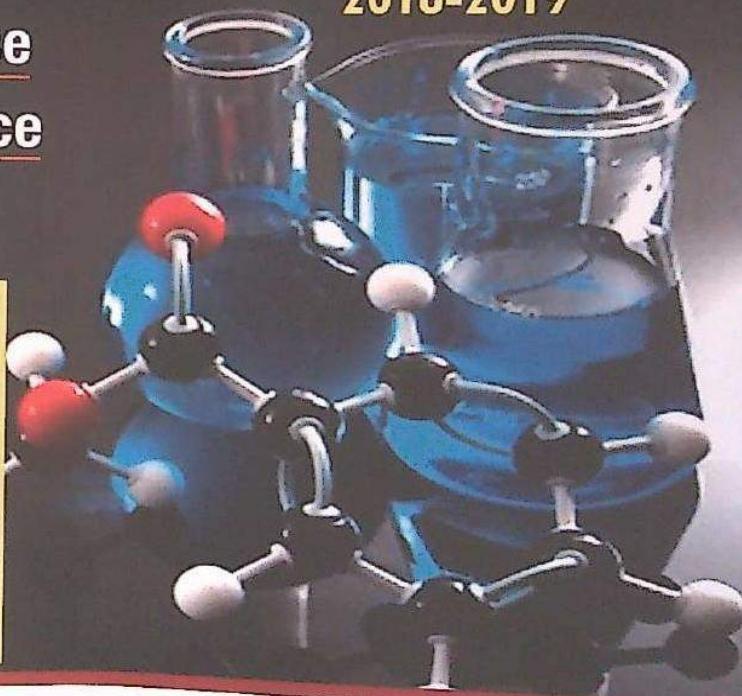
KHAMMAM, TELANGANA STATE.

# *Department of Chemistry*

**2018-2019**

- ▶ **Skill Enhancement Course**
- ▶ **With Hands-on Experience**
- ▶ **By Experienced Faculty**

**Certificate Course  
in  
Instrumental  
Methods of Chemical  
Analysis (18 IMCA)**



**SR&BGNR. Government Arts & Science College (Autonomous), Khammam**

**Certificate Course / Value Added Course( 2018-19)**

**Depart of Chemistry**

**“INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS”**

**(18 IMCA)**

**Course Design (Syllabus)**

**Experiment and Analysis (Total instruction hours – 30)**

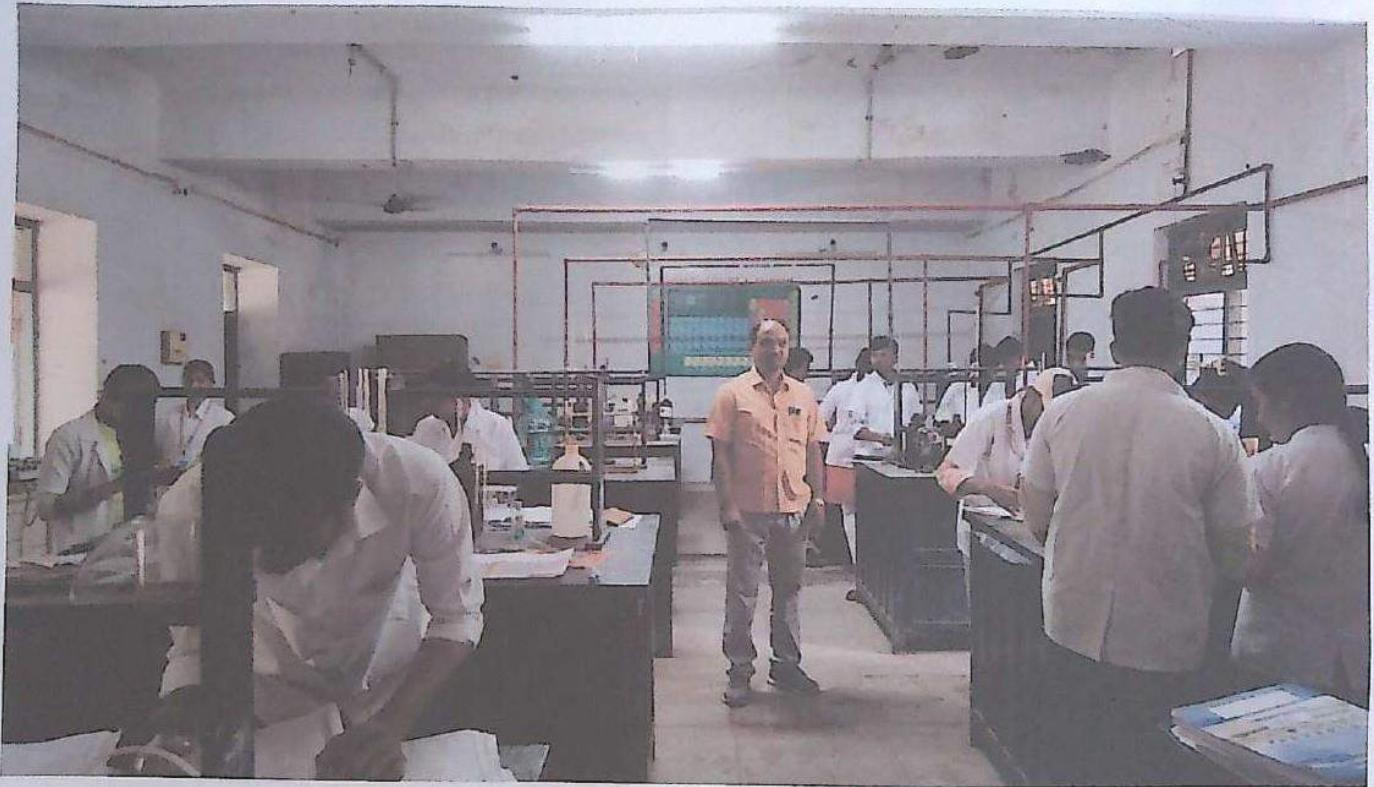
**Paper-I:** Experimental Techniques in Organic Synthesis (30-hours)

**A) Some important techniques in practical organic chemistry:** Planning and setting an organic reaction, equivalents, moles / millimoles calculation, Work-up of reaction mixture, drying of solvents and steam distillation, recrystallization, melting point/boiling point measurements.

**B) Preparation and Purification of Selected Organic Compounds**

- 1). Acetanilide 2). Coumarin3). Aspirin 4). Paracetamol 5). Nerolin 6). Barbutyric acid





## Photographs







# SR & BGNR GOVT. ARTS & SCIENCE COLLEGE (A)

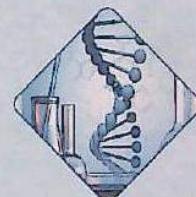
(Reaccredited at B++ by NAAC)



KHAMMAM, TELANGANA STATE.



## DEPARTMENT OF CHEMISTRY



Certified that Mr. / Ms. \_\_\_\_\_

S/o. / D/o. \_\_\_\_\_ of \_\_\_\_\_, Regd. No. \_\_\_\_\_ attended

**INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS (18IMCA03)** Certificate course/Value added course

conducted by department of Chemistry from \_\_\_\_\_ to \_\_\_\_\_ and successfully achieved \_\_\_\_\_

grade with Admission No. \_\_\_\_\_

Course Co-ordinator

Head of the Dept.

IQAC Co-ordinator

Principal



# SR & BGNR GOVT. ARTS & SCIENCE COLLEGE (A)

(Reaccredited at B++ by NAAC)



KHAMMAM, TELANGANA STATE.

## DEPARTMENT OF CHEMISTRY



Certified that Mr. / Ms. \_\_\_\_\_

S/o. / D/o. \_\_\_\_\_ of \_\_\_\_\_, Regd. No. \_\_\_\_\_ attended

**INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS (18IMCA01)** Certificate course/Value added course

conducted by department of Chemistry from \_\_\_\_\_ to \_\_\_\_\_ and successfully achieved \_\_\_\_\_

grade with Admission No. \_\_\_\_\_

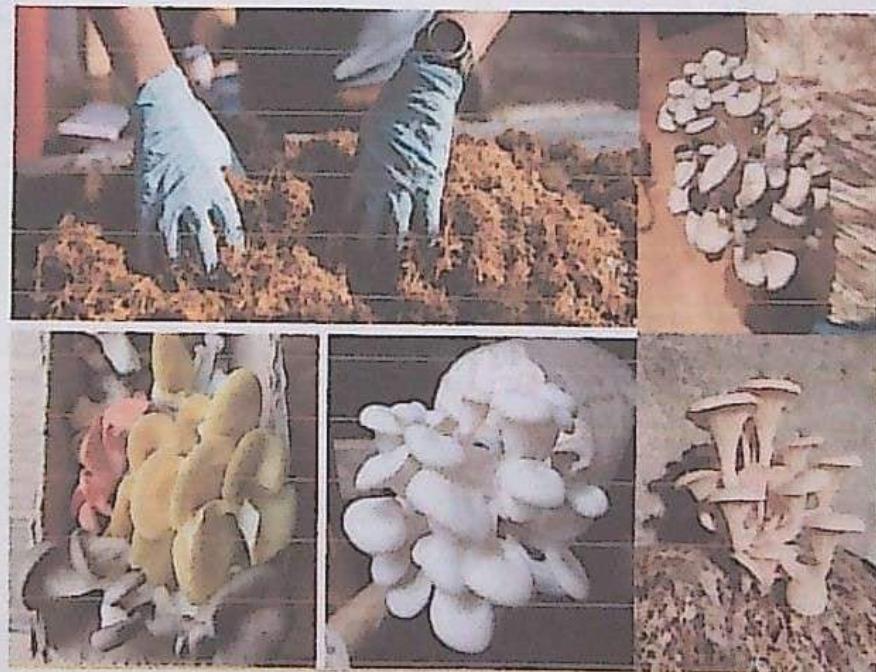
Course Co-ordinator

Head of the Dept.

IQAC Co-ordinator

Principal

**SRBGNR Govt Arts & Science College (A) Khammam**  
**Department of Microbiology**  
is organizing an  
**Certificate course**  
On  
**MUSHROOM CULTIVATION**  
From 04.02.2019 to 21.02.2019



**Principal**

**Dr.M.V Ramana**

**CONVENOR**  
**J. ANITHA KUMARI**  
**HOD , Dept of MICROBIOLOGY**

**SR&BGNR Govt Arts & Science College (A) Khammam**  
**Dept of Microbiology**  
**Certificate Course on Mushroom Cultivation**  
**04.02.2019 TO 21.02.2019**

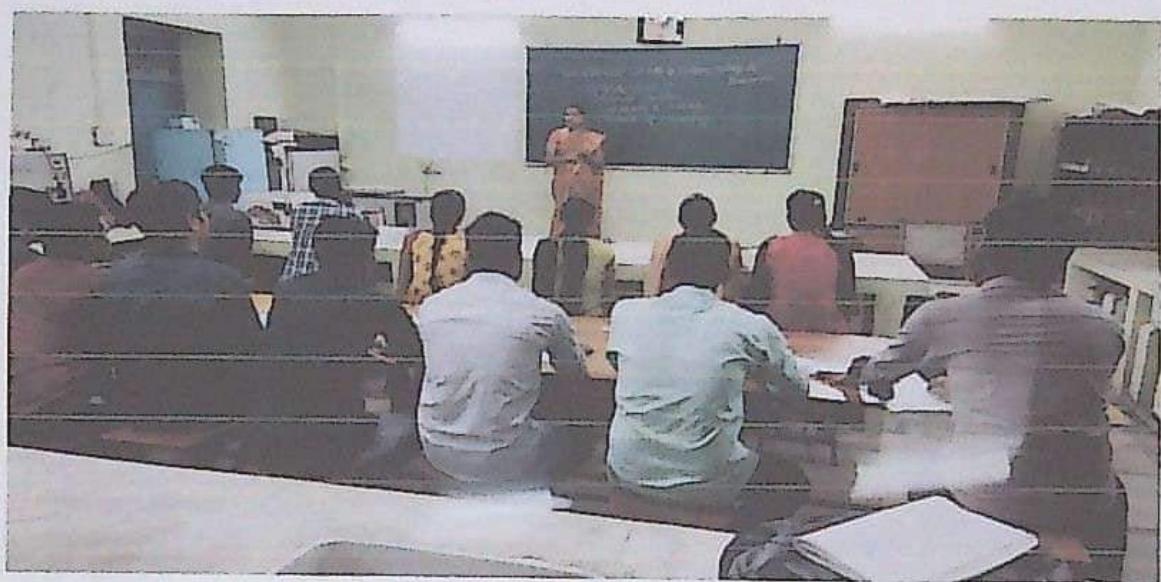
### **Course Objectives**

- To make the learners self reliant to identify several kind of mushrooms.
- To provide detailed hands on training on mushroom cultivation, packaging and marketing.
- To develop a business plan on mushroom cultivation.
- To help the learners to practice a means of self employment and income generation.

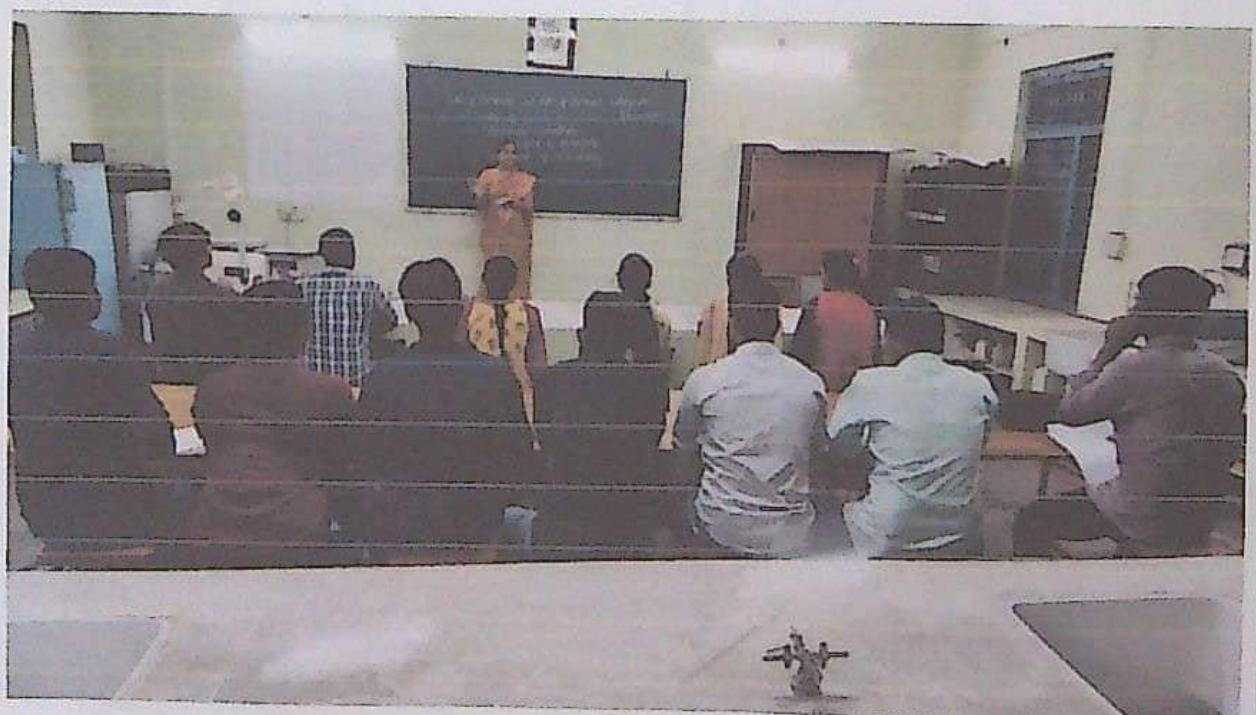
### **Learning Outcomes**

- Understanding mushrooms, types (edible & poisonous) and mushroom production
- Learning cultivation of different edible mushrooms
- Acquaintance with climatic requirements of mushroom cultivation
- Building knowledge on diseases and pests of mushroom and their management.
- Knowing harvesting and post harvesting processes of mushroom
- Learning value added products preparation from mushroom
- having the prospects of commercial mushroom production

## Mushroom Cultivation:Introduction



### Types of Mushrooms





SR & BGNR GOVERNMENT ARTS AND SCIENCE COLLEGE  
KHAMMAM, TELANGANA STATE: 507002  
DEPARTMENT OF MICROBIOLOGY



CERTIFICATE COURSE ON

MUSHROOM CULTIVATION



CERTIFICATE

This is to certify that, ..... with bearing Reg. No..... has participated and successfully completed certificate course on "Mushroom Cultivation" conducted by Department of Microbiology SR & BGNR Government Arts and Science College, khammam (A) from 04.02.2019 to 21.02.2019

Coordinator

UGC coordinator

Principal

S R & B G N R GOVERNMENT ARTS & SCIENCE  
COLEGE (A), KHAMMAM



DEPARTMENT OF BOTANY  
VALUE ADDED COURSESE  
ON  
MUSHROOM CULTIVATION TECHNOLOGY  
(2018- 2019)



NUMBER SEATS	COURSE DURATION	DATES
40 Seats for each batch	30 Hours (20 hrs Theory + 10 hrs Practical)	1 <sup>st</sup> September to

PRINCIPAL  
S R & B G N R Govt Arts &  
Science College (MACC-B++)  
Autonomous-KHAMMAM  
1<sup>st</sup> September to

SR & B G N R GOVERNMENT ARTS & SCIENCE COLLEGE (A), KHAMMAM  
DEPARTMENT OF BOTANY  
VALUE ADDED COURSE ON MUSHROOM CULTIVATION TECHNOLOGY  
Scheme of Examination and Syllabus

### Introduction

Mushrooms are being used as food and medicine from ancient times. Mushroom contains all essential amino acids, vitamin B complex, iron, calcium, potassium, phosphorous, folic acid and other biochemical compounds. It is also a good source of dietary fibre. It is regarded as highly edible even for people suffering from cholesterol problems, heart diseases, diabetes and cancer. Mushroom cultivation has now become a source for income generation since there is a large demand for healthy and quality food products. Many value added products are also obtained from mushrooms. The cultivation procedure is characterised by small initial investment and year round production. It is an eco-friendly agricultural practice. Considering the commercial viability and self-employment potential of mushroom cultivation and marketing, the Department is offering the same as an add on certificate course to the under graduate students of the College.

### Aims of the Course

- To enable the students to identify the edible and poisonous mushrooms.
- To provide hands-on training for the preparation of bed for mushroom cultivation and its harvesting, pests and diseases control and post harvesting management.
- To provide the students awareness about the marketing trends of Mushrooms.
- To give the students exposure to the experiences of experts in the field and to functioning mushroom farms.
- To help the students to learn a means of self-employment and income generation.

Duration of Course: The course shall extend over a period of three months (40hrs).

Admission Procedure: Candidates for admission to the course should be students of the New College, Chennai. Interested students shall apply for admission at the time of notification in the prescribed form.

Examinations S. No. Paper Marks 1. Paper I – Theory-30, 2. Paper II – Practical-10  
3. Internal Assessment -10. Total - 50. Certificates will be issued to the candidates on successful completion of the course

SR & B G N R GOVERNMENT ARTS & SCIENCE COLLEGE (A), KHAMMAM  
DEPARTMENT OF BOTANY  
VALUE ADDED COURSE ON

MUSHROOM CULTIVATION TECHNOLOGY

DURATION: 30 Hrs

Paper: BOT: 301

Max. Marks: 30

SYLLABUS

**Course objectives**

- To facilitate self-employment.
- To know the nutrient value of mushroom.
- To study the morphology and types of Mushrooms.
- To know the spawn production technique.
- To aware the identification of edible and poisonous Mushrooms.
- To learn the prospects and scope of mushroom cultivation in small scale industry.
- To understand the Diseases. Post harvesting techniques of Mushrooms

**UNIT – I** (15 Hrs)

1. Introduction & History: medicinal value of edible Mushrooms: Poisonous Mushrooms: Types of edible mushrooms available in India- Volvariella volvacea, Pleurotus citrinopileatus, Agaricus bisporus
2. Cultivation Technology, Infrastructure: Substrates (locally available) Polythene bags, Vessels, Inoculation hook, Inoculation loop, Low coat stove, Steves, Culture rack, Mushroom unit, (Thatched House) Water sprayer, Tray, Small Polythene bag.
3. Pure Culture: Medium, Sterilization, Preparation of spawn, Multiplication, Mushroom bed preparation, Paddy straw, Sugarcane trash, Maize straw, Banana leaves.
4. Factors affecting the Mushroom bed preparation: low cost technology, Composting technology in Mushroom production

**UNIT – II** (15Hrs)

5. Storage: short term (Refrigeration- up to 24 hours) Long term storage (canning, pickles, papads) drying, storage in salt solutions.
6. Nutritional value of mushrooms: Proteins, amino acids, mineral elements, carbohydrates crude fibre content vitamins.
7. Food preparation: types of food prepared from mushroom .Research centers-national level and regional level, cost benefit ratio .marketing in India and abroad. Export value.

## **Suggested Readings**

1. Dubey R.C 2005 A Text book of Biotechnology S.Chand &co New Delhi
2. Kumaresan V .2005 Biotechnology. Saras publications New Delhi
3. John Jothi Prakash E 2004 outlines of plant Biotechnology. Emkay publications Delhi
4. Sathe T.V 2004 Vermi culture and Organic Farming Daya publications New Delhi

## **COURSE OUTCOME**

1. Students study the morphology and types of Mushrooms.
2. They are aware of the identification of edible and poisonous Mushrooms.
3. Studied the technique of Mushroom cultivation
4. Students will be able produce spawn on their own.
5. Learned the prospects and scope of mushroom cultivation in small scale industry.
6. Understood the Diseases. Post harvesting techniques of Mushrooms



## SR & BGNR GOVERNMENT ARTS & SCIENCE COLLEGE(A)

Khammam :: Telangana-507002

Value Added Course on

### Mushroom Cultivation Technology

This is to certify that Mr/ Ms .....Class .....of  
SR & BGNR GOVERNMENT Arts & Science College(A), Khammam has successfully completed the Value  
Added Course organized by the Department of .....BOTANY...from .....to .....

Principal

Co-ordinator

2018-19

## SR&amp;BGNR. Govt. Arts &amp; Science College (Autonomous), Khammam

Department of Botany

## Certificate Course in Mashroom Cultivation Technology

Attendance of the participants

January to February 2019  
March

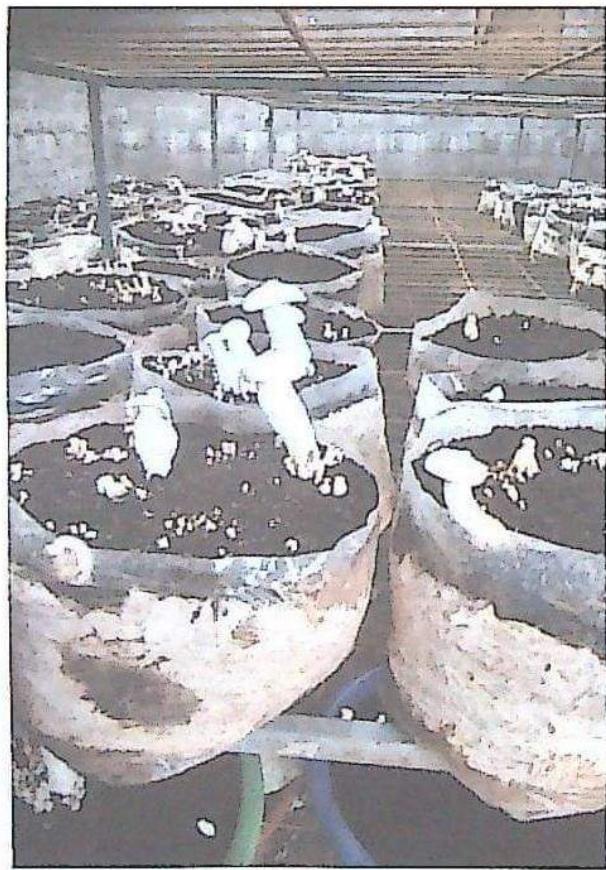
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1	K. Vinod Kumar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26	25	26	27	28	
2	P. Prasanth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
3	A. Sai Pritya	1	2	3	4	5	6	7	8	9	10	11	12	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
4	S. Kumara Swamy	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	17	18	19	20	21	22	23	24	25	26	27	
5	V. Venkatesw	1	2	3	4	5	6	7	8	9	10	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
6	N. Vijaya Babu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
7	D. Prasanth Raj	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
8	P. Monika	1	2	3	4	5	6	7	8	9	10	11	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
9	D. Ramu	1	2	3	4	5	6	7	8	9	10	11	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
10	H. Pavan Krishna	1	2	3	4	5	5	6	7	8	9	10	11	12	13	14	15	16	17	17	18	19	20	21	22	23	24	25	26	27	
11	B. Sivali	1	2	3	4	5	6	7	8	9	10	11	12	13	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
12	K. Pajjikā	1	2	3	4	5	6	7	8	9	9	10	11	12	13	14	15	15	16	17	18	19	20	21	22	23	24	25	26	27	
13	G. Saideela	1	2	3	4	5	6	7	8	9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
14	G. Ganesh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
15	B. Nagamani	1	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
16	J. Tarun	1	2	3	4	5	6	7	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
17	Ch. Sai Kumar	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
18	K. Upendra	1	2	3	4	5	6	6	7	8	9	10	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
19	P. Tharceena Begam	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
20	K. Herali	1	2	3	4	5	6	7	8	9	9	9	10	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
21	P. Nagamana Rao	1	2	3	4	5	6	7	8	9	10	11	12	13	14	14	16	17	18	19	20	21	22	23	24	25	26	27	28		
22	Y. Naveen	1	2	2	3	4	5	6	7	8	9	10	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
23	Sk. Nagulvenna	1	2	3	4	5	6	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
24	B. Akterseena Rao	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
25	Ch. Nigendrababu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		

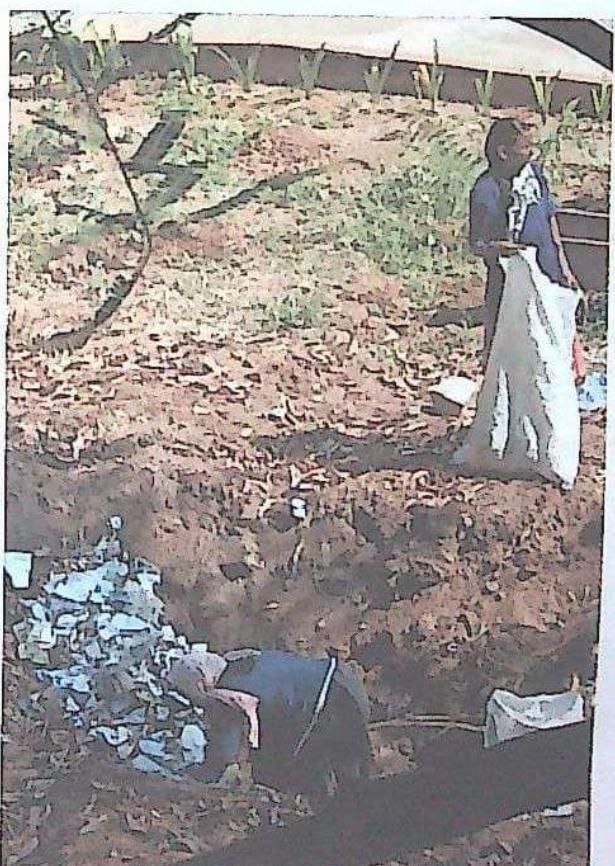
SR&BGNR. Govt. Arts & Science College (Autonomous), Khammam

Department of Botany

**Department of Botany**  
**Certificate Course in Mushroom Cultivation Technology**

#### **Attendance of the participants**







**SR & BGNR GOVT. ARTS & SCIENCE COLLEGE**

AUTONOMOUS

KHAMMAM



## **CERTIFICATE COURSE**

On

**“ WEB DESIGNING”**

On

**01.09.2018 TO 31.10.2018**

Organized By

**DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS**

Under

**STUDENT DEVELOPMENT PROGRAM(SDP)**

**RESOURCE PERSONS**

**K. NageswarRao, M.C.A., M.Tech., Ph.D.**

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS  
SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(A), KHAMMAM

**M. SrinivasaRao, M.C.A, M.Phil.**

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS  
SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(A), KHAMMAM

**Ch. Jamuna Rani, M.C.A, P.G.D.C.A**

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS  
SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(A), KHAMMAM

### **VENUE**

**ROOM NO: 205, COMPUTER LAB 2**



S. No.	Nature of the Activity	Title of the Activity	Resource Persons	Duration	No. of Participants
I	Certificate Course	Web Designing	Dr. K. Nageswar Rao Ch. Jamunarani M. Srinivas Rao	30 hrs ( 01.09.2018 to 031.10.2018)	33

## COURSE NAME :WEB DESIGNING

### OBJECTIVES :

- ✓ Learn everything you need to know about web design in this course: This Web Design course will teach you HTML, HTML 5, and Cascading Style sheets (CSS).
- ✓ It is aimed at complete beginners to the subject, and assumes you have no knowledge of creating web pages.
- ✓ Learn web programming aptitudes concentrated on visual feel and more hearty and productive interface plan
- ✓ Develop and process web shapes.
- ✓ Design and make portable web applications.

### COURSE OVERVIEW :

- ✓ The Advanced Web Design course is designed to prepare students for professional web design work. The class will be a mix of theoretical/soft skills and practical front-end techniques.
- ✓ We will cover usability, accessibility, design professionalism, git/github.com, JavaScript, jQuery, designing and developing from static comps, and designing for a content management system.
- ✓ By the end of this course, students should have a solid understanding of the web design industry and modern web design techniques.

CLASS NAME : BCOM(CA) IIIYr.

SYLLABUS : WEB DESIGNING

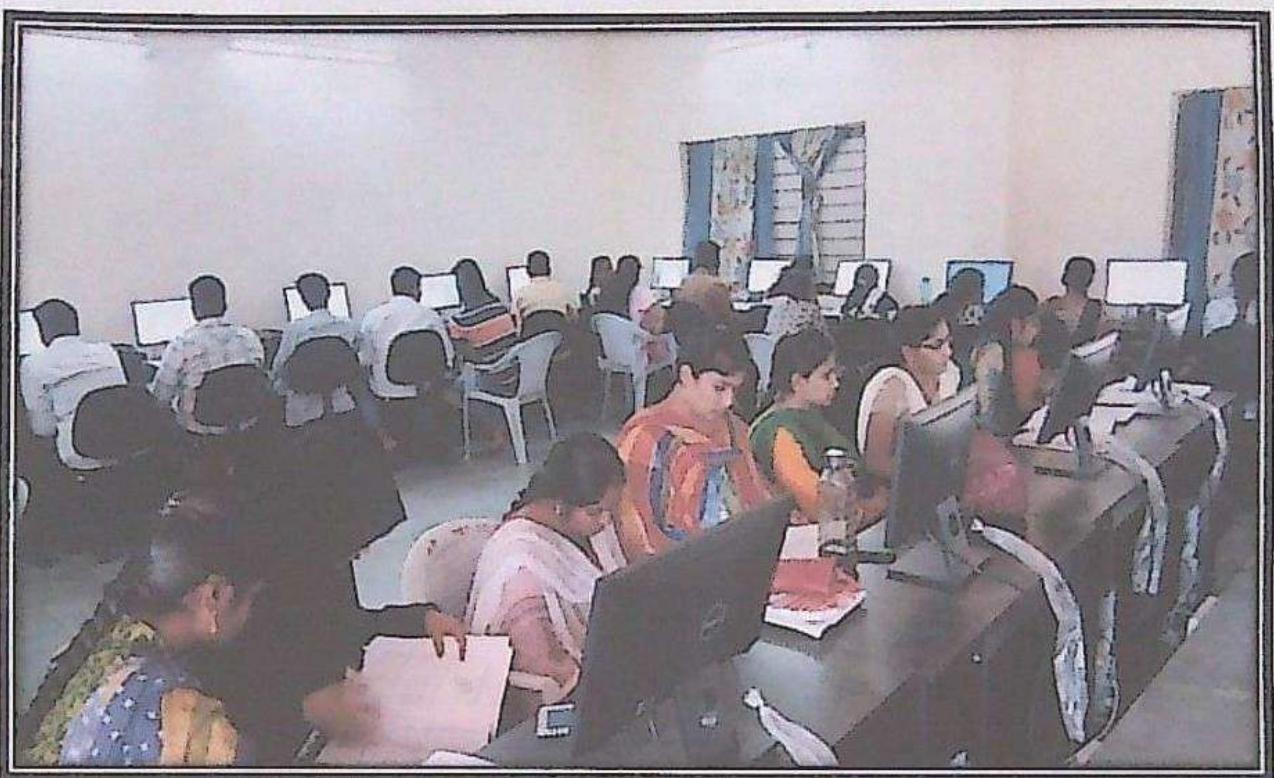
**Unit-1 HTML Basics:** HTML Introduction, HTML Elements, Attributes, HTML Headings, Paragraphs, HTML Formatting, Fonts, Styles, HTML Links, Images, Tables, HTML Lists, Forms, Frames, HTML Colors, Colornames, Colorvalues, HTML Quick List

**Unit-2 XML Programming – I: Introduction, The Need for XML, Structured Data and Formatting, Advantages of XML, SGML, XML, and HTML, World Wide Web Consortium**

(W3C) Specifications and Grammars, XML Applications and Tools, Creating and Viewing XML Documents, Transforming XML Documents, XML Document Syntax, Validating XML Documents with DTDs, XML Namespaces

**Unit-3 XML Programming – II: Introduction, Transforming XML Documents with XSLT and XPath, Formatting XML Documents with XSL-FO, Purpose of XSL Formatting Objects (XSL-FO) , XSL-FO Documents and XSL-FO Processors, XSL-FO Namespace, Page Format Specifiers, Page Content Specifiers.**





**STUDENTS ATTENDANCE LIST:**

SRA&GNR Govt. Arts & Science College(AUTONOMOUS),KHAMMAM

Department of Computer Science/Applications ( B.com(CA) III year)

Certificate Course on Web Designing

**STUDENT ATTENDANCE LIST:**

SNO	ENO	NAME OF THE STUDENT	CERTIFICATE COURSE WEB DESIGNING											
			October											
1	2617 1601	M Madhu	P	P	A	P	F	P	F	P	P	P	P	P
2	2617 1602	M Venkatesh	A	E	A	P	F	P	F	P	P	P	P	P
3	2617 1603	Y Sampath	P	P	E	A	P	A	T	P	F	P	P	P
4	2617 1604	P Ravali	P	P	P	P	G	R	P	P	O	P	P	P
5	2617 1605	J Athok	A	H	A	P	F	A	T	P	A	P	P	P
6	2617 1606	K Sunitha	A	H	A	P	F	A	T	P	A	P	P	P
7	2617 1607	M Karmi narayana	B	F	P	P	P	A	A	P	P	P	P	P
8	2617 1608	K Maheshwari	F	D	P	P	P	P	P	P	P	P	P	P
9	2617 1609	P Balakrishna	F	A	A	T	P	A	P	P	P	P	P	P
10	2617 1610	M Aruna	F	G	D	P	P	P	P	P	P	P	P	P
11	2617 1611	S Srikrishna	F	A	F	P	A	F	S	C	P	P	P	P
12	2617 1612	N Nithsha	F	A	P	A	P	P	S	C	P	P	P	P
13	2617 1613	G Ramadevi	P	P	P	A	P	P	S	C	P	P	P	P
14	2617 1614	M Udayastree	P	A	S	P	A	P	I	A	A	P	P	P
15	2617 1615	J Hanikrishna	I	P	S	A	P	P	I	A	A	P	P	P
16	2617 1616	K Hari Krishna	I	P	A	P	P	P	P	P	P	P	P	P
17	2617 1617	K Anjali	F	A	B	P	F	P	A	P	P	P	P	P
18	2617 1618	M Anyanka	A	S	P	H	A	P	I	T	Q	P	P	P

Dept. of Computer  
SRA&GNR Govt. C.  
Autonomous  
Khammam

1	2617 1601	M Madhu	F	P	R	O	V	E	S	T	H	P	E	P
2	2617 1602	M Venkatesh	F	I	E	T	P	F	S	E	H	P	E	P
3	2617 1603	Y Sampath	F	O	N	D	P	E	S	T	H	P	E	P
4	2617 1604	P Ravali	F	P	E	A	P	A	T	P	A	P	P	P
5	2617 1605	J Athok	A	H	A	P	F	A	T	P	A	P	P	P

Dept. of Computer  
SRA&GNR Govt. C.  
Autonomous  
Khammam

CERTIFICATE:



SR&BGNR GOVT. ARTS & SCIENCE COLLEGE, (AUTONOMOUS)

KHAMMAM

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

**CERTIFICATE**

This is to certify that Mr / Ms \_\_\_\_\_ has successfully completed "**WEB DESIGNING**" course conducted by the department of computer Science & Applications during 01<sup>st</sup> September 2018 to 31<sup>st</sup> October 2018.

*N.Srinivas Rao*

N.SRINIVAS RAO

*Co-ordinator*

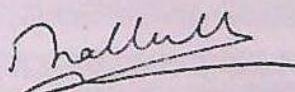
*M.V.Ramana*

Dr. M. V. RAMANA

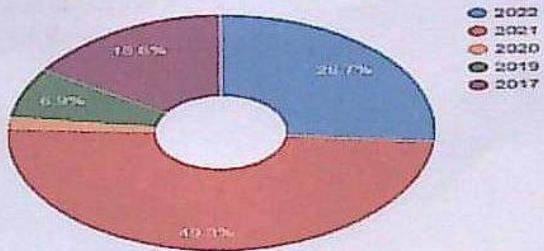
*Principal*

## 2018-2019

Telangana	Khammam	SR & BGNR Government Arts and Science College (A), Khammam	Advance C	B.A Batch 1	Outside	ANURADHA	01 Jul 2018	18	<a href="https://spoken-tutorial.org/statistics/training/133963/participants/">https://spoken-tutorial.org/statistics/training/133963/participants/</a>
Telangana	Khammam	SR & BGNR Government Arts and Science College (A), Khammam	LibreOffice Suite Writer	B.A Batch 1	Outside	ANURADHA	01 Jul 2018	20	<a href="https://spoken-tutorial.org/statistics/training/133964/participants/">https://spoken-tutorial.org/statistics/training/133964/participants/</a>
Telangana	Khammam	SR & BGNR Government Arts and Science College (A), Khammam	Advance C	B.COM. (C ) (Computers)	Outside	ANURADHA	01 Jul 2018	11	<a href="https://spoken-tutorial.org/statistics/training/133965/participants/">https://spoken-tutorial.org/statistics/training/133965/participants/</a>



**PRINCIPAL**  
**SR & B.G.N.R Govt. Arts &**  
**Science College (NAAC-B++)**  
**Autonomous-KHAMMAM**



## List of Online Courses with participant count for the Academic Year 2018-19

Telangana	Khammam	SR & BGNR Government Arts and Science College (A) Khammam	Advance C	B A Batch 1	Outside	ANURADHA	01 Jul 2019	10	<a href="#">View Participants</a>
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### Workshop / Training Participants

Institution Name	SR & BGNR Government Arts and Science College (A) Khammam, Telangana
Fees	Advance C
Date	July 1, 2019
Participants Count	10
Organiser	ANURADHA PRATHIGADAJA

#	First Name	Last Name
1	ENAKAR	B
2	SIVATHI	R
3	KALPANA	T
4	MUTHYALA	V
5	KALYAN	EDUNURI
6	VALADRI	D
7	UPENDAR	N
8	VINAYKUMAR	D
9	RAJESWARU	N
10	MANGTHA	B
11	JHANISHA	P
12	PAVAN	M
13	MURALIKRISHNA	B
14	NAVEEN	B
15	SAKUMAR	G
16	KAVERI	G
17	HATHIRAM	B
18	MANGLAL	

**PRINCIPAL**  
 SR & BGNR Govt. Arts &  
 Science College (NAAC-B++)  
 Autonomous-KHAMMAM

Telangana	Khammam	SR & BGNR Government Arts and Science College (A) Khammam	LibreOffice Suite Writer	B A Batch 1	Outside	ANURADHA	01 Jul 2019	20	<a href="#">View Participants</a>
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### Workshop / Training Participants

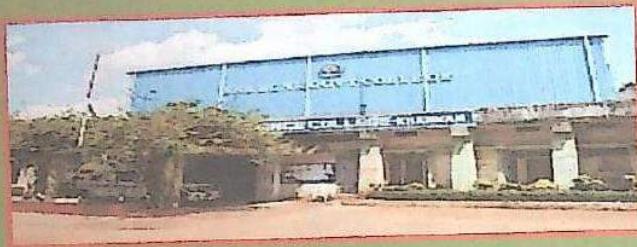
Institution Name: SR & BGNR Government Arts and Science College (A), Khammam, Telangana  
 Foss: LibreOffice Suite Writer  
 Date: July 1, 2019  
 Participants Count: 20  
 Organiser: ANURADHA PRATHIGADADA

#	First Name	Last Name
1	SARAJ	G
2	BHASKAR	B
3	SUDHIBH	R
4	KALPANA	T
5	MUTHYALA	V
6	RAJA	B
7	KALYAN	D
8	VALADRI	EDUNURI
9	UPENDAR	D
10	VINAKUMAR	N
11	RAJESWARI	D
12	MANGTHA	N
13	JWANGISHAI	B
14	PRUNI	P
15	MURALIKRISHNA	M
16	NAVEEN	B
17	SANKUMAR	B
18	KAVERI	G
19	HATHIRAM	G
20	MANGLAL	B

PRINCIPAL  
 SR & BGNR Govt Arts &  
 Science College (NAAC-B++)  
 Autonomous-KHAMMAM

## About the College

S.R & B.G.N.R Government Arts and Science College was established in 1956 to cater the Educational needs of the Rural and Backward areas in and around Khammam town. Ever since then, the college is catering to the needs of the downtrodden, weaker and marginalized sections of the society.



## OBJECTIVES:

The objective of the course is to train individuals in the computerized Accounting using Tally and pursue the career in this sector. With the fast moving technological world and in IT era all sort of tasks are being automated which were performed manually earlier irrespective of domain e.g. Health care, Documentation ,shopping, employee management, shopping almost everything. To meet the pace of the growing world, the Accounting system have also been computerized and automated as one single entry managers both accounting and inventory needs. Tally is the most popular accounting packages used across our country and needs a lot of trained manpower to meet the requirements.



## CERTIFICATE COURSE on **ACCOUNTING IN TALLY**

On  
02-08-2018 To 29-08-2018

Department of Commerce & Business Management  
**S.R & B.G.N.R GOVERNMENT ARTS & SCIENCE COLLEGE**  
AUTONOMOUS  
KHAMMAM

## Organizing Committee

Dr. S. Narayana Swamy  
S. Ramesh  
D. Venkataramana.  
B. Setram

## VENUE

Room No-237

**SR & BGNR GOVERNMENT ARTS & SCIENCE COLLEGE(A)-KHAMMAM**  
**DEPARTMENT OF COMMERCE**  
**CERTIFICATE COURSE-2018-19-(1)**  
**ACCOUNTING IN TALLY**

**Preamble:**

With the fast-moving technological world and in IT era, all sorts of tasks are being automated which were performed manually earlier irrespective of domain e.g. healthcare, documentation, shopping, employee management, shopping almost everything. To meet the pace of the growing world, the accounting system have also been computerized and automated as one single entry manages both accounting and inventory needs. Tally is the most popular accounting packages used across our country and needs a lot of trained manpower to meet the requirements.

**Objective:**

The objective of the course is to train individuals in the Computerized Accounting using Tally and pursue the career in this sector.

**Expected Job Roles:**

- Assistant - Accounts

**Duration:**

60 Hours - (Theory: 35 hrs + Practical: 25 hrs)

**Course Outline:**

Sl. No	Module Title	Duration (Hours)		
		Theory	Lab	Total
1	Tally (divided in 18 units)	35	25	60
	<b>Total Duration</b>	<b>35</b>	<b>25</b>	<b>60</b>
	<b>Total Credits</b>	<b>2</b>	<b>3</b>	<b>5</b>

**Detailed Syllabus and Learning Outcome:**

S. No	Module Title (Tally) / Units	Topics	Duration (Hours)		Learning Outcome
			Theory	Lab	
1	Unit-1	Basic concepts of Accounting	2	0	After successful completion of the module, the students shall be able to: <ul style="list-style-type: none"> <li>Basic Knowledge of</li> </ul>

SR&BGNR GOVERNMENT ARTS & SCIENCE COLLEGE(A)- KHAMMAM

DEPARTMENT OF COMMERCE

**CERTIFICATE COURSE-ACCOUNTING IN TALLY**

**CERTIFICATE COURSE-ACCOUNTING IN YACCI  
STUDENTS ATTENDANCE-ACADEMIC YEAR 2018-19-(1)-(B.Com. (CA) & Gen-E/M)**

Sl. No.	Hallticket No.	Name of the Student	ATTENDANCE																																				
			Aug-18												Sep-18																								
2	4	6	7	8	9	10	11	12	14	15	17	18	19	20	21	23	30	31	1	4	5	6	7	10	11	12	14	15	17	18	19	20	22	24	25	26	27	28	29
25	2617-1630	Sk.Uzman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
26	2617-1931	I.Mahesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
27	2617-1932	Ch.Venu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
28	2617-1933	Y.Divya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
29	2617-1934	B.Indira	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
30	2617-1935	L.Mohan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
31	2617-1936	M.Nagesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
32	2617-1938	S.Vidhyadhar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
33	2617-1939	J.Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
34	2617-1701	B.Sivaji Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
35	2617-1702	B.Kalyan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
36	2617-1703	K.Sruthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
37	2617-1704	A.Kalyani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
38	2617-1705	E.Shiva	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
39	2617-1706	B.Harikrishna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
40	2617-1707	N.Ravindradevy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
41	2617-1708	M.Krishnaveni	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
42	2617-1710	P.Srikanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
43	2617-1711	P.Biksha Naik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
44	2617-1712	S.Sandhu Pasha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
45	2617-1713	P.Divya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
46	2617-1715	Ch.Sriram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
47	2617-1716	Ch.Sunitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
48	2617-1717	K.Upendrarao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
49	2617-1718	N.Dayakar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
50	2617-1721	N.Prakash	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					

**SR&BGNR GOVT ARTS & SCIENCE COLLEGE (A),  
KHAMMAM**

**IQAC**

**CERTIFICATE COURSE on ETHICS and  
HUMAN VALUES**

**01.11.2018 – 30.11.2018**

**10 am – 11.30am**

**Resource person: Smt P. Anitha**





## **SR&BGNR GOVT.ARTS & SCIENCE COLLEGE(A), KHAMMAM**

*(An Autonomous College under the jurisdiction of Kakatiya University, Warangal)*

**NAAC Re-Accredited at B++ & ISO : 9001-2015 Certified Institution**

### **CERTIFICATE COURSE IN ETHICS AND HUMAN VALUES**

This is to certify that, ..... bearing  
Reg. No. ..... has participated in ETHICS AND HUMAN  
VALUES at SR & BGNR Government Arts and Science College(A), Khammam  
from 01.11.2018 to 30.11.2018.

Principal

**SR&BGNR GOVT ARTS & SCIENCE COLLEGE (A),  
KHAMMAM**



**IQAC**

**CERTIFICATE COURSE IN YOGA &  
MEDITATION**

**21.06.2018 to 12.07.2018**

**6am – 8 am**

**Instructor: Sri T. Jeevan Kumar**

21.06.2018 to 12.07.2018

6am – 8 am

**Module****COURSE OVERVIEW:**

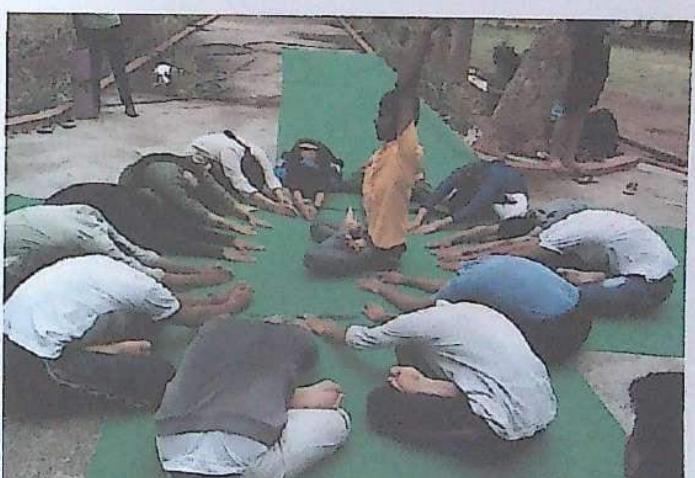
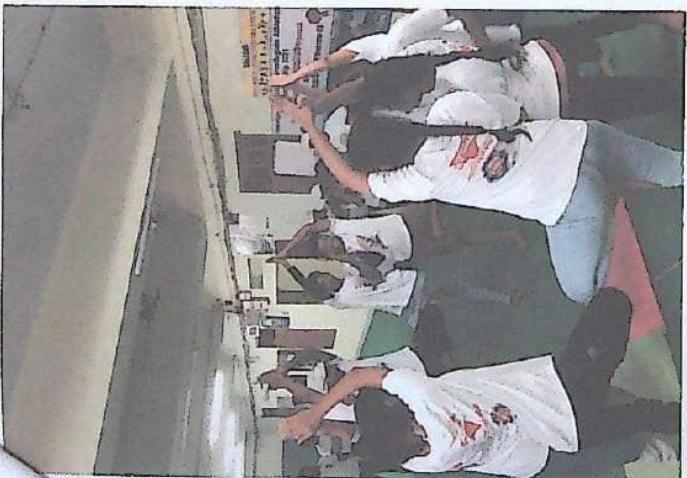
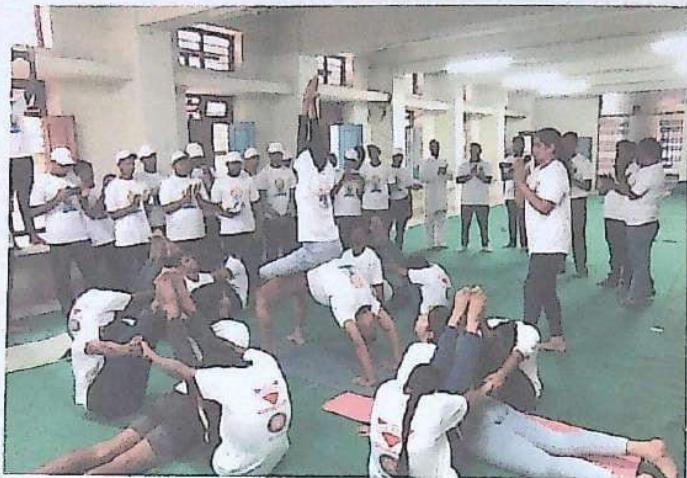
In view of today's global problems, the course of yoga is compulsory, as mental and physical stress is increasing everywhere, students will benefit from this course. Just as the word yoga means to connect, the students will also have loyalty and engagement towards their duty towards society and our society will move towards a positive thinking.

**OBJECTIVES OF THE COURSE:**

- To enable the student to have good health.
- To practice mental hygiene.
- To possess emotional stability.
- To integrate moral values.
- To attain higher level of consciousness.

<b>Day</b>	<b>Topic</b>
1	Introduction to Yoga and Yogic Practices (Sukshama Vyayama, Surya Namaskar and Asanas)
2	Introduction to Yoga Texts
3	Rules and regulations to be followed by yoga practitioners
4	Brief introduction to human body
5	Role of yoga for health promotion
6	Holistic approach of yoga towards the health and diseases
7	Introduction to yoga diet and its relevance and importance in yoga Sadhana
8	Dinacharya and Ritucharya with respect of yogic lifestyle
Everyday	1. Practice of Sukshmavyayama 2. Practice of Surya Namaskar 3. Practice of Asanas 4. Practice of Halasana 5. Practice of Pawanmuktasana 6. Practice of Bhujangasana 7. Practice of Shalabhasana 8. Practice of Gomukhasana 9. Practice of Vakrasana 10. Practice of Ustrasana 11. Practice of Mandukasana 12. Practice of Sasankasana 13. Practice of Janusirasana 14. Practice of Virkshasana 15. Practice of Padhastasana 16. Practice of Nadi Shudhi 17. Practice of Dhyana Mudra 18. Meditation 19. Project on Patanjali Yoga Sutras 20. Yoga effect on Human Body 21. Steps of Sithaili Pranayama 22. Steps of Ujjayai Pranayam 23. Steps of Paschimottansana

	24. Conducting Yoga project on common diseases Yoga sessions on suryanamaskar
10	Tips for nature heal
11	Test





## SR&BGNR GOVT.ARTS & SCIENCE COLLEGE(A), KHAMMAM

(An Autonomous College under the jurisdiction of Kakatiya University, Warangal)  
NAAC Re-Accredited at B++ & ISO : 9001-2015 Certified Institution

### CERTIFICATE COURSE IN YOGA AND MEDITATION

This is to certify that, ..... bearing  
Reg. No. ..... has participated in Certificate course in  
“YOGA AND MEDITATION” at SR & BGNR Government Arts and Science  
College(A), Khammam from 21.06.2018 to 12.07.2018.

Principal

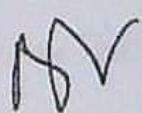
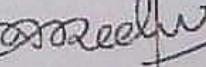
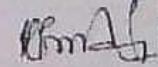
Department of Mathematics

SR&BGNR Arts and Science College (Autonomous), Khammam

Name of the Course: Basic Mathematical skills & Quantitative Aptitude

Workload Distribution

Ac. Year 2018-19

Unit No.	Topic	No. of Periods Allotted	Name of the lecturer allotted	Whether completed or not	Signature
I	Number System	7 Hours	B. Venkateswar Rao	Completed	
	H.C.F. and L.C.M.				
	Square Roots and Cube Roots				
	Average				
II	Percentage	8 hours	V. Sambasiva Rao	Completed	
	Profit and Loss				
	Ratio and Proportion				
	Partnership				
III	Time and Work	7 Hours	P. Anuradha	Completed	
	Time and Distance				
	Boats and Streams				
	Problems on Trains				
IV	Problems on Ages	8 Hours	K. Jayaramayi Rao	Completed	
	Simple Interest				
	Compound Interest				
	Calendar				
	Clocks				
	Total	30 Hours			

Text book: Quantitative aptitude , Dr. R. S. Aggarwal, S. Chand and Company Ltd.

Dept. of Mathematics - SR&BGNR Govt. College (Autonomous), Khammam

Certificate Course in Basic Mathematical skills & Quantitative Aptitude

List of students registered

Ac. Year: 2018-19

S. No.	Name of the Student	Group & Year	H.T. NO.	Signature
1.	B. Goparaju	I MPC	MCC 001	B. Goparaju
2.	B. Naveen	I MPC	MCC 002	B. Naveen
3.	G. Navyasri	I MPC	MCC 003	G. Navyasri
4.	V. Madhav Rao	I MPC	MCC 004	V. Madhav Rao
5.	K. Naveen	I MPC	MCC 005	K. Naveen
6.	B. Ganesh	I MPC	MCC 006	B. Ganesh
7.	P. Mounika	I MPC	MCC 007	P. Mounika
8.	K. Naresh	I MPC	MCC 008	K. Naresh
9.	G. Sai Kumar	I MPC	MCC 009	G. Sai Kumar
10.	D. Prasad	I MPC	MCC 010	D. Prasad
11.	D. Kavya	I MPC	MCC 011	D. Kavya
12.	K. Ganesh	I MPCs	MCC 012	K. Ganesh
13.	M. Rajeswari	I MPCs	MCC 013	M. Rajeswari
14.	V. Uday Kiran	I MPCs	MCC 014	V. Uday Kiran
15.	Y. Divya Sree	I MPCs	MCC 015	Y. Divya Sree
16.	P. Sai Kumar	I MPCs	MCC 016	P. Sai Kumar
17.	M. Kaarthik	I MPCs	MCC 017	M. Kaarthik
18.	P. Nagamani	I MPCs	MCC 018	P. Nagamani
19.	Y. Sushma	I MPCs	MCC 019	Y. Sushma
20.	N. Suchithra	I MPCs	MCC 020	N. Suchithra

S. No.	Name of the Student	Group & Year	H.T. NO.	Signature
21.	V. Suvarna	IM P CS	MCC 021	V. Suvarna
22.	T. Renuka	IM P CS	MCC 022	T. Renuka
23.	J. Srikanth	IM P CS	MCC 023	J. Srikanth
24.	M. Ramakrishna	IM P CS	MCC 024	M. Ramakrishna
25.	K. Gopinath	IM P CS	MCC 025	K. Gopinath
26.	J. Mahesh Bhupathi	IM E CS	MCC 026	J. Mahesh Bhupathi
27.	B. Sravani	IM C CS	MCC 027	B. Sravani
28.	D. Veerababu	IM C CS	MCC 028	D. Veerababu
29.	A. Rakesh	IM C CS	MCC 029	A. Rakesh
30.	S. Kalyani	IM C CS	MCC 030	S. Kalyani
31.	V. Parvati	IM C CS	MCC 031	V. Parvati
32.	P. Rama	IM C CS	MCC 032	P. Rama
33.	N. Mounika	IM C CS	MCC 033	N. Mounika
34.	P. Sravan Kumar	IM C CS	MCC 034	P. Sravan Kumar
35.	V. Pavan	IM C CS	MCC 035	V. Pavan
36.	G. Sai	IM S CS	MCC 036	G. Sai
37.	M. Sajikumar	IM S CS	MCC 037	M. Sajikumar
38.	B. Ram	IM S CS	MCC 038	B. Ram
39.	A. Ganesh	IM S CS	MCC 039	A. Ganesh
40.	M. Yamini	IM S CS	MCC 040	M. Yamini
41.	P. Bindupriya	IM S CS	MCC 041	P. Bindupriya
42.	M. Ujwala	IM S CS	MCC 042	M. Ujwala

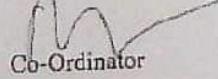
S. No.	Name of the Student	Group & Year	H.T. NO.	Signature
43.	M. Sravan Prasad	IM Ecs	MCC 043	M. Sravan Prasad
44.	M. Charan Sai	IM Ecs	MCC 044	M. Charan Sai
45.	G. Dinesh	IM Ecs	MCC 045	G. Dinesh
46.	E. Shivanj	IM Ecs	MCC 046	E. Shivanj
47.	Ch. Priyanka	IM Ecs	MCC 047	Ch. Priyanka
48.	G. Manoj Kumar	IM Ecs	MCC 048	G. Manoj Kumar
49.	T. Rithwiksai	IM Ecs	MCC 049	T. Rithwiksai
50.	T. Venkatesh	IM Ecs	MCC 050	T. Venkatesh
51.	S. Pavan	IM Ecs	MCC 051	S. Pavan
52.	V. Siddhu	IM Ecs	MCC 052	V. Siddhu
53.	Ch. Jagadeesh	IM Ecs	MCC 053	Ch. Jagadeesh
54.	G. Devendranath	IM Ecs	MCC 054	G. Devendranath
55.				
56.				
57.				
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60.				

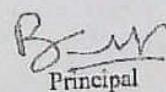
SR & BGNR GOVERNMENT ARTS & SCIENCE COLLEGE(A)  
Khammam:: Telangana-507002



**Value Added Course on  
Basic Mathematical skills and Quantitative aptitude**

This is to certify that Mr/Ms K. Naresh of MPC I Year of SR & BGNR Government Arts & Science College(A), Khammam has enrolled for the Value Added Course organized by The Department of Mathematics from 16.08.2018 to 27.09.2018 with Regd. No. MCC008 and successfully completed the course with 77% score.

  
Co-ordinator

  
Principal



**SR & BGNR GOVT. ARTS & SCIENCE COLLEGE (A)**

(Reaccredited at B++ by NAAC) (An ISO 9001 : 2015 Institution)

KHAMMAM, TELANGANA STATE.

## **DEPARTMENT OF PHYSICS**

- **Skill Enhancement Course**
- **With Hands - on Experience**
- **By Experienced Faculty**

*Certificate Course in*

### **Home Electrician**



**SR&BGNR GOVT. ARTS & SCIENCE COLLEGE (A)**

**KHAMMAM**

Department of Physics

Syllabus for Certificate course

on

**Home Electrician**

**THEORY SYLLABUS**

**UNIT I**

Basics of Electrical Engineering: Electric current - conductors - insulators Semiconductors-Electric potential-Resistance-Ohm's Law - Resistances in series and parallel. Work, power and energy. Simple problems on power and energy.

Problems on energy consumption and monthly billing. [4 Hours]

**UNIT II**

Safety Precautions - First Aid Precaution to be taken of various stages (while handling tools, during wiring etc) - electric fire-precautions against shocks-first aid artificial respiration. Case Studies. [4 Hours]

**UNIT III**

Wiring instruments: uses, sizes and handling precautions of various wiring tools. Wiring accessories: Switches, Sockets & Tops, Lamp holders, Ceiling roses, Round blocks, Main switches - distribution boards, Fuses and MCBs, Cables- and specifications. [6 Hours]

**UNIT IV**

Wiring Systems: Energy Distribution Systems - Distribution Board System, Wiring Circuits: Simple Lamp circuits - staircase wiring, Tube Light Circuit. Soldering of Components, ICs, wires, cables and their joints in gadgets. Earthing - Necessity, Methods of Earthing. [6 Hours]

## PRACTICALS SYLLABUS

[12 Hours]

1. Measurement of power of an Appliance / Circuit
2. Determining the Fusing Current of a fuse
3. Practice of wiring on
  - i) one lamp controlled by one switch
  - ii) Two lamps controlled by one switch
  - iii) Stair case wiring
  - iv) Tube light wiring

### **4. Domestic Appliances:**

Tube light,  
Ceiling Fan,  
Electric Iron Box,  
Electric Stove,  
Immersion Heater,  
Geyser,  
Table lamp,  
Mixer,  
Grinder.

**SR&BGNR GOVT. ARTS & SCIENCE COLLEGE (A)**

**KHAMMAM**

**Department of Physics**

**Syllabus for Certificate course**

**on**

**Home Electrician**

**THEORY SYLLABUS**

**UNIT I**

Basics of Electrical Engineering: Electric current - conductors - insulators Semiconductors-Electric potential-Resistance-Ohm's Law - Resistances in series and parallel. Work, power and energy. Simple problems on power and energy.

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Grinder.

**SR & BGNR GOVERNMENT ARTS AND SCIENCE COLLEGE (A), KHAMMAM**

## DEPARTMENT OF PHYSICS

**ATTENDANCE REGISTER FOR CERTIFICATE COURSE HOME ELECTRICIAN**

CLASS : BSc. MPCs & MPE FINAL YEAR

SESSION : NOVEMBER 2018

Sl. No.	Regd. No.	Name of the student	09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	10	10	10	10	10	10	10	
			01	04	05	06	07	08	09	10	11	12	17	18	19	20	22	24	25	26	27	28	01	03	04	06	08	22
17	26172236	K NAVINEENPRASAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	26172238	E BHADRAMMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	26172402	L RAMYA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	26172403	R SUDHEER	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	26172404	CH KIRAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	26172406	A SURENDAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	26172409	D CHIRANJEEVI	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	26172410	S VIVEK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	26172411	HARI RAMA KRISHNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	26172412	B PADMAVATHI	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	26172415	CH KIRAN KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	26172416	CH NARENDAR	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	26172417	T SAI KIRAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
30	26172418	V MANOJ KUMAR	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
31	26172419	B UDAY KIRAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
32	26172422	A MADHU	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
33	26172423	S DURGA PRASAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
34	26172424	V PRAVEEN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
35	26172425	S VENU	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P

*T. Prabhakar Rao*  
[T. PRABHAKAR RAO]  
Lecturer in Physics

#### About the College

S.R & B.G.N.R Government Arts and Science College was established in 1956 to cater the Educational needs of the Rural and Backward areas in and around Khammam town. Ever since then, the college is catering to the needs of the downtrodden, weaker and marginalized sections of the society.



#### OBJECTIVES:

Having strong communication skills aids in all aspects of life – from professional life to personal life and everything that falls in between. Good communication skills are essential to allow others and yourself to understand information more accurately and quickly. The course is designed to improve the four skills of language i.e. Listening Skills, Speaking Skills, Reading Skills and Writing Skills.



CERTIFICATE COURSE

on

## BASIC ENGLISH COMMUNICATION SKILLS

On

05-09-2018 TO 27-10-2018

Organized By

Department of English

SR & BGNR GOVERNMENT ARTS & SCIENCE COLLEGE  
AUTONOMOUS  
KHAMMAM

#### Organizing Committee

SRI K.S.S.RATNA PRASAD

SRI N.V.B.SARMA

Dr. G.VARALAXMI

S.ANJANI

#### VENUE

Room No-122

## BASIC ENGLISH - COMMUNICATION SKILLS

SYLLABUS (31 hours) 2018-19

DAY	TOPIC
1.	INTRODUCTION
2.	LISTENING SKILLS
3.	PURPOSE OF LISTENING
4.	LISTENING TO CONVERSATION (FORMAL AND INFORMAL)
5.	ACTIVE LISTENING- AN EFFECTIVE LISTENING SKILL
6.	BENEFITS OF EFFECTIVE LISTENING
7.	BARRIERS TO LISTENING
8.	LISTENING TO ANNOUNCEMENTS
9.	PRACTICE TEST
10.	ASKING FOR AND GIVING INFORMATION
11.	OFFERING AND RESPONDING TO OFFERS
12.	REQUESTING AND RESPONDING TO REQUESTS
13.	CONGRATULATING PEOPLE ON THEIR SUCCESS
14.	EXPRESSING CONDOLENCES
15.	ASKING QUESTIONS AND RESPONDING POLITELY
16.	APOLOGIZING AND FORGIVING
17.	PRACTICE TEST
18.	GIVING INSTRUCTIONS
19.	EXPRESSING SYMPATHY
20.	SEEKING AND GIVING PERMISSION
21.	EXPRESSING OPINIONS(LIKES AND DISLIKES)
22.	AGREEING AND DISAGREEING
23.	DEMANDING EXPLANATIONS
24.	ASKING FOR AND GIVING ADVICE AND SUGGESTIONS
25.	PRACTICE TEST
26.	WRITING SKILLS
27.	THE SENTENCE
28.	THE PHRASE
29.	THE CLAUSE
30.	TYPES OF SENTENCES
31.	NEGATIVES AND QUESTIONS

*Subashini*  
HEAD

Department of English  
SP & SGNR Govt. Arts & Science College (A)  
Khammam Telangana.

**SR & BGNR GOVERNMENT ARTS & SCIENCE COLLEGE (A) : KHAMMAM**

**DEPARTMENT OF ENGLISH**

**CERTIFICATE COURSE IN BASIC ENGLISH COMMUNICATION SKILLS 2018-19**  
**STUDENTS REGISTERED**

**BATCH I - ARTS & COMMERCE**

SNO	HALLTICKET NO	NAME OF THE STUDENT	YEAR & GROUP
1	26191009	DEVALLA NAVEEN	I BA HEP TM
2	26191010	DOMALA GOPI	I BA HEP TM
3	26191011	DUGGIRALA PRIYANKA	I BA HEP TM
4	26191012	GANTA BHASKAR	I BA HEP TM
5	26191013	GOGGELA SAIKIRAN	I BA HEP TM
6	26191014	HATKAR KESHAV	I BA HEP TM
7	26191015	KANNOJU BHARATH KUMAR	I BA HEP TM
8	26191016	MUDIGA SAIKUMAR	I BA HEP TM
9	26191017	PALAKETI SURESH	I BA HEP TM
10	26191018	PAPAGANTI ASHOK	I BA HEP TM
11	26191019	SAVITI VENKATESH	I BA HEP TM
12	26191020	SHAIK AKBAR	I BA HEP TM
13	26191021	TADIKAMALLA NAGA LAKSHMI	I BA HEP TM
14	26191111	KANNEBOINA NAVEEN KUMAR	I BA HPP TM
15	26191112	KATTA NAGARJUNA	I BA HPP TM
16	26191113	KOMMU RAKESH	I BA HPP TM
17	26191114	LAKAVATH BHAVSINGH	I BA HPP TM
18	26191115	LOYA LINGA RAJU	I BA HPP TM
19	26191116	MADDELA PAVAN	I BA HPP TM
20	26191117	MADUPU SATEESH	I BA HPP TM
21	26191118	MAMIDI KOTESWARA RAO	I BA HPP TM
22	26191119	MANNEM YUVARAJU	I BA HPP TM
23	26191120	NANNEBOINA RAMESH	I BA HPP TM
24	26191121	PALLAPATI GOPI	I BA HPP TM
25	26191122	PUNEM SANDEETHA	I BA HPP TM
26	26191123	PUSAM CHANDU	I BA HPP TM
27	26191124	V UMEESH	I BA HPP TM
28	26191125	YARRANAGULA PRIYANKA	I BA HPP TM
29	26191447	LAVUDYA VEERANNA	I BA THP
30	26191448	MIDIDODLA SATHISH	I BA THP
31	26191450	NANNEBOINA UPENDAR RAO	I BA THP
32	26191451	NETHAVATH VENKATESH	I BA THP
33	26191452	PEDDARAPU SAI RAM	I BA THP
34	26191453	PENDRA RAMESH	I BA THP
35	26191454	POTTA KARUNAKAR	I BA THP
36	26191455	TEJAVAT RANI	I BA THP

37	26191457	VANKUDOTH RAMCHANDAR NAIK	I BA THP
38	26191458	YENUGU MAHESH	I BA THP
39	26181512	GOGGELA KIRAN	II BA EPRI
40	26181513	JANGAM PAVAN KALYAN	II BA EPRI
41	26181514	JARPALA HACHU NAYAK	II BA EPRI
42	26181515	JOGA CHITTIBABU	II BA EPRI
43	26181516	JOGA SURESH BABU	II BA EPRI
44	26181517	KAMPALLI SUNIL KUMAR	II BA EPRI
45	26181518	KANKANALA SRINADH	II BA EPRI
46	26181519	LUNAVATH HARI KISHAN	II BA EPRI
47	26181005	AZMEERA MAHENDAR	II BA HEP TM
48	26181006	AZMEERA NAVNEEN	II BA HEP TM
49	26181009	BANDLA SRIRAJ	II BA HEP TM
50	26181010	BANOTH BHANU	II BA HEP TM
51	26181011	BANOTH KAVITHA	II BA HEP TM
52	26181012	BANOTH NAVNEEN	II BA HEP TM
53	26181015	BASANI SIVA	II BA HEP TM
54	26181016	BATTA HAREESH	II BA HEP TM
55	26181306	DASARI UPENDAR RAO	II BA HPP TM
56	26181308	DHARAVATH GANESH	II BA HPP TM
57	26181309	DHARAVATH NAVNEEN	II BA HPP TM
58	26181310	DHARAVATH RAKESH	II BA HPP TM
59	26181311	DHARAVATH SUMAN	II BA HPP TM
60	26181312	DUGGI LAKSHMI PRASANNA	II BA HPP TM
61	26181313	EKKIRALA SURENDRA	II BA HPP TM

*S. Venkateswara Rao*

HEAD

Department of English  
SR & BGNR Govt. Arts & Science College (A)  
Khammam Telangana.

**SR & BGNR GOVERNMENT ARTS & SCIENCE COLLEGE (A) : KHAMMAM**  
**DEPARTMENT OF ENGLISH**  
**CERTIFICATE COURSE IN BASIC ENGLISH COMMUNICATION SKILLS 2018-19**  
**STUDENTS REGISTERED**  
**BATCH II- SCIENCES**

SNO	HALLTICKET N	NAME OF THE STUDENT	YEAR & GROUP
1	26194513	BHUKYA MANOHAR	I BSC MECS
2	26194514	BHUKYA SADARLAL	I BSC MECS
3	26194515	BURRI HARISH	I BSC MECS
4	26194516	CHANDA JAGADISH	I BSC MECS
5	26194517	CHEDE SAMPATH	I BSC MECS
6	26194518	CHEERA PRIYANKA	I BSC MECS
7	26194519	CHIRRA NAVEEN	I BSC MECS
8	26193212	CHARLAPALLI SRIKANTH	I BSC BZC TM
9	26193213	CHINTHALA ANUSHA	I BSC BZC TM
10	26193214	DONTHARABOINA SAIBABA	I BSC BZC TM
11	26193215	GANTLA AKHILA	I BSC BZC TM
12	26193216	GOGU CHAKRAVARTHI	I BSC BZC TM
13	26193217	GUGULOTHU MURALI	I BSC BZC TM
14	26193218	GUGULOTH YAMUNA	I BSC BZC TM
15	26193219	JAVVADI MANI PRIYA	I BSC BZC TM
16	26193220	KARAMPUDI KALYANI	I BSC BZC TM
17	26193221	KARUMANCHI RAJESH	I BSC BZC TM
18	26193222	KOMMU MAHESH	I BSC BZC TM
19	26193223	KONDRU LAXMI	I BSC BZC TM
20	26193224	KORAM VINAY	I BSC BZC TM
21	26193225	KOTA MAHESH	I BSC BZC TM
22	26193226	KURSAM NAGARAJU	I BSC BZC TM
23	26193227	MADHASU NAGAMANI	I BSC BZC TM
24	26193228	MALAPA MAHESH	I BSC BZC TM
25	26193229	MAMINDLA SREEMAN	I BSC BZC TM
26	26193230	MARMAM ABRAHAM	I BSC BZC TM
27	26193231	MATTA MOUNIKA	I BSC BZC TM
28	26193232	MEDI NAVEEN	I BSC BZC TM
29	26193233	MOKALLA MANASA	I BSC BZC TM
30	26193234	MOODU PRIYA	I BSC BZC TM
31	26193235	NALLAGATLA SAI	I BSC BZC TM
32	26193236	NANABALA YASHWANTH	I BSC BZC TM
33	26193237	NUKALA SHARANYA	I BSC BZC TM
34	26182641	PODILA VINAY CHANDU	II BSC BZC TM
35	26182642	REBBANAPALLI BHAVANI	II BSC BZC TM
36	26182644	SEELAM VENKATESH	II BSC BZC TM

37	26182645	SHAIK HIMAMVALI	II BSC BZC TM
38	26182710	CHINNAKESI GOPI	II BSC IMB
39	26182711	CHINTHA GOPI RAJU	II BSC IMB
40	26182712	DONAKONDA MANOHAR	II BSC IMB
41	26182713	GUDISE VAMSI BHARGAVA KISHORE	II BSC IMB
42	26182714	GUGULOTH ASHOK	II BSC IMB
43	26182715	JATOTH SANTOSH KUMAR	II BSC IMB
44	26182716	JINU KUNTLA PRASANTH	II BSC IMB
45	26182717	KOTHAPALLI PRAVEEN	II BSC IMB
46	26182718	MAHAMMAD REENA ANJUM	II BSC IMB
47	26182310	CHAPALA NAVEEN	II BSC MCCS
48	26182311	CHEGONDI VEERABABU	II BSC MCCS
49	26182312	CHILAKA PRANEETH	II BSC MCCS
50	26182313	DANNE YESUBABU	II BSC MCCS
51	26182314	AATHUKURI DILIP KUMAR	II BSC MCCS
52	26182315	EEDA SAI KUMAR	II BSC MCCS
53	26182316	GADDALA VAMSI	II BSC MCCS
54	26182317	GAJJELA MALLISWARI	II BSC MCCS
55	26182318	GORREPATI NARESH	II BSC MCCS
56	26182319	JUNJUNURI AJAY	II BSC MCCS
57	26182039	NALAMADA SANTHOSH	II BSC MPC
58	26182040	NIKHIL KOTA	II BSC MPC
59	26182041	PANTHANGI HARISH	II BSC MPC
60	26182042	PEDDAPANGU JASHUVA	II BSC MPC
61	26182043	PINDI MAHITHA	II BSC MPC
62	26182044	PURAMU UDAYSRIR	II BSC MPC
63	26182045	PUTTI HARSHAL	II BSC MPC

*Mr. Venkateswaran*  
 HEAD  
 Department of English  
 SR & BCNRI Govt. Arts & Science College (A)  
 Khammam Telangana.



**SR & BGNR GOVERNMENT ARTS & SCIENCE COLLEGE (A)**  
**KHAMMAM**

TELANGANA STATE: INDIA  
ACCREDITED WITH "B++" GRADE BY NAAC  
AN ISO 9001-2015 CERTIFIED INSTITUTION



## **CERTIFICATE**

This is to certify that Mr./Ms.

of \_\_\_\_\_ (Year & Course) of this college has successfully completed the certificate course in "Basic English - Communication Skills" organised by the Department of English from 05-09-2018 to 27/10/2018.

HEAD OF THE DEPARTMENT

PRINCIPAL

**SR & BGNR Government Arts & Science College (A): Khammam**  
**Department of English**

The Department of English organised a certificate course in "Basic English - Communication Skills" from 05-09-2018.

Total 124 of all groups registered for the course.

The course commenced from 05-09-2018.

In the inaugural session conducted on 05-10-2018 Dr. B. Venkateswar Reddy addressed the students.

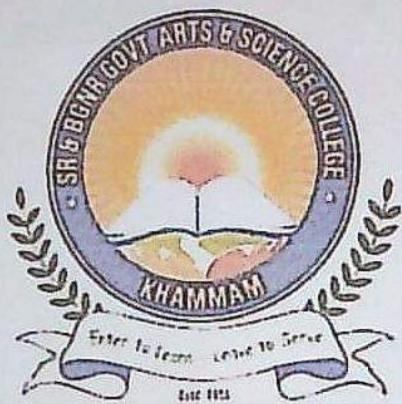


Certificate distribution was done on 27-10-2018 on the last day of instruction.



*Dr. B. Venkateswar Reddy*  
Department of English  
SR & BGNR Govt. Arts & Science College  
Khammam, Telangana.

SR&BGNR GOVERNMENT DEGREE ARTS AND SCIENCE  
COLLEGE, KHAMMAM



**A CERTIFICATE COURSE ON GARMENT  
MAKING**

DURATION: 60 HOURS

14<sup>th</sup> MARCH – 18<sup>th</sup> APRIL 2019

BY

WOMEN EMPOWERMENT CELL



## విధాన్సులకు తైలంగ్ నెల్లిఫికేషన్

మయ్యిలమచారసగర్: మహిళా సాంస్కారిక విభాగం ఆధ్యాత్మిక క్లిపరిల్గ్ కీర్తి పొదిన విధాన్సులకు మధ్యారం సర్టిఫికేషన్ లాండింగ్చారు. సమస్యాయకర్త అనిత ఆధ్యాత్మిక నెల్లిఫికేషన్ పోట్లు 25మందికి శివాగిచ్చారు. విద్యార్థిసుయి చదువులో పొట్లు భైపరిల్గ్ కీర్తి పొదిన లాండింగ్ లాండింగ్ చేయమని రాజ్యాద్ధమానికి ముఖ్యాలచిటగా చోఱదైన ఎన్సాల్ లండ్ వీటిమ్సెక్స్ డిగ్రీ, కణకాప ప్రైవేట్ డాక్టర్ ఎష్ట్ రముడ గాన్నారు. మహిళా అద్యాయము చందిల, పరులక్కీ మేముచూప, దీచు, రల్సుఫ్టస్టోర్ లపితరుయి పొల్సాన్నారు.





SR&BGNR Govt Arts & Science College(A), Khammam  
2018-2019.

Date : 14.3.2019

Activity: Certificate course - Government Making.

Resource Person : Smt. D. Lakshmi.

No of students enrolled : 25.

Durations : 14.3.2019 to 18.4.2019.

S.No	Name of the Student	Class	Signature of the Student
01	K Shirisha	II B.com	K. Shirisha.
02	P. Bhuvaneswari	II B.com	P. Bhuvaneswari
03	B. Asha	II B.com	B. Asha.
04	G. Ramadevi	II B.com	G. Ramadevi
05	S. Vidhya Dhuli	III B.com	S. Vidhya Dhuli.
06	P. Raval	III B.com	P. Raval
07	P. Divya	III B.com	P. Divya
08	R. Sandhya	III B.com	R. Sandhya
09	M. Latha	II B.com	M. Latha
10	T. Kalpana	II BA	T. Kalpana.
11	R. Swathi	II BA	R. Swathi.
12	R. Nirmala	III BA	R. Nirmala
13	A. Sowjanya	III BA	A. Sowjanya
14	V. Navyasree	I BA	V. Navyasree
15	I. Nitrosha	I B.com	I. Nitrosha
16	G. Gayathri	I B.com	G. Gayathri
17	E. Shirisha	I B.com	E. Shirisha...
18	K. Rajitha	I B.com	K. Rajitha.
19	S. Lakshmi	I BA	S. Lakshmi
20	D. Priyanka	I BA	D. Priyanka





**SR&BGNR Govt. ARTS & SCIENCE COLLEGE(A), KHAMMAM.**  
**DEPARTMENT OF ECONOMICS**  
**CERTIFICATE COURSE-2018-19**  
**CONSUMERISM**

**Objective :**

The objective of the course is to learn Consumerism, Marketing Skills and how to behave in the Self Employment Skills.

**Duration :**

30 Hours(Theory : 30 hrs)

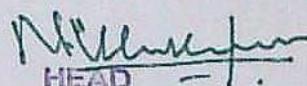
**Course Outline :**

Sl.No.	Module Title	Duration (Hours)	
		Theory	Total
1	Consumerism	30	30
	Total Duration	30	30
	Total Credits	4	4

**Detailed Syllabus and Learning Outcome :**

**Syllabus**

S.No.	Week	Topics
1	Week 1	Introduction to Consumer Behaviour Segmentation and Brand Positioning
2	Week 2:	Consumer Decision Making, Perception
3	Week 3	Learning,
4	Week 4	Consumer Behaviour in Practice

  
**HEAD**

Department of Economics  
 SR&BGNR Govt. Arts & Science College (A)  
 Khammam - 501001  
 Andhra Pradesh, India  
 Telangana.

**SR&BGNR Govt. ARTS & SCIENCE COLLEGE(A), KHAMMAM.**  
**DEPARTMENT OF ECONOMICS**  
**CERTIFICATE COURSE-2018-19**  
**MARKET SKILLS**

**Objective :**

The objective of the course is to learn Consumerism, Marketing Skills and how to behave in the Self Employment Skills.

**Duration :**

30 Hours(Theory : 30 hrs)

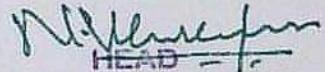
**Course Outline :**

Sl.No.	Module Title	Duration (Hours)	
		Theory	Total
1	Market Skills	30	30
	Total Duration	30	30
	Total Credits	4	4

**Detailed Syllabus and Learning Outcome :**

**Syllabus**

S.No.	Week	Topics
1	Week 1	Nature and scope of Management
2	Week 2	Selling Function
3	Week 3	Approaching Customer, Retail and Whole sale
4	Week 4	Motivation and Moral sales person,

  
HEAD  
Department of Economics  
SR&BGNR Govt. Arts & Science College (A)  
Khammam Telangana.

**SR&BGNR Govt. ARTS & SCIENCE COLLEGE(A), KHAMMAM.**  
**DEPARTMENT OF ECONOMICS**  
**CERTIFICATE COURSE-2018-19**  
**SELF EMPLOYMENT SKILLS**

**Objective :**

The objective of the course is to learn Consumerism, Marketing Skills and how to behave in the Self Employment Skills.

**Duration :**

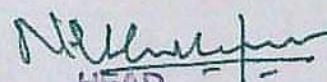
30 Hours(Theory : 30 hrs)

**Course Outline :**

SL.No.	Module Title	Duration (Hours)		Total
		Theory	Total	
1	Self Employment Skills	30		30
	Total Duration	30		30
	Total Credits	4		4

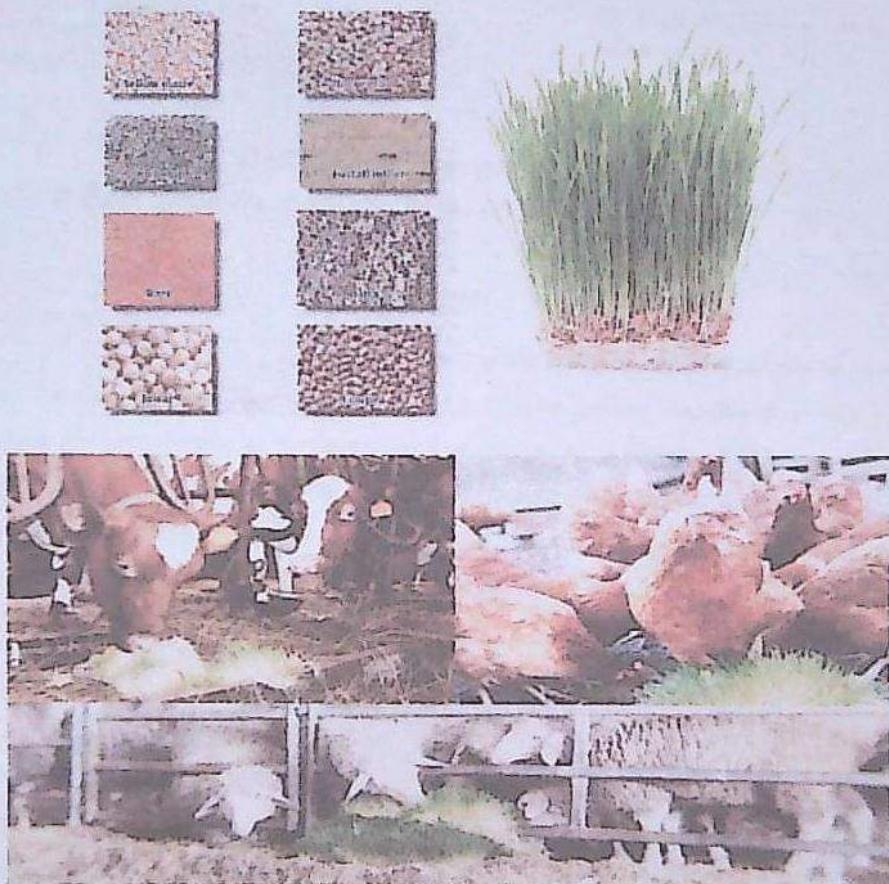
**Syllabus**

S.No.	Week	Topics
1	Week 1	Meaning and scope of Self Employment
2	Week 2:	Skills Improvement Methods
3	Week 3	Training Centers / Capital, Investment
4	Week 4	Production Product sales

  
**HEAD**  
 Department of Economics  
 SR Govt. Arts & Science College (A)  
 Khammam Telangana.

DEPARTMENT OF BIOTECHNOLOGY  
SR & BGNR GOVT. ARTS & SCIENCE COLLEGE, KHAMMAM  
CERTIFICATE COURSE

Production of Green fodder by Hydroponic Technology



Resource person  
**G. Raghu**  
Assistant professor of Biotechnology & Incharge

## **Introduction:**

Green fodder is considered as the natural diet for livestock. Its production to meet the current demand has become a challenging task among livestock farmers. Due to several reasons, green fodder production has been facing crisis and so the livestock productivity. Due to increasing intensive system of rearing livestock, the need for green fodder is enormous. As the gap between the demand and supply of the green fodder for livestock becoming unconquerable, researchers and farmers are in search for an alternative fodder or fodder production method, that would restore fodder and livestock production.

Hydroponics technology has revolutionized the green fodder production in the 21st century. Hydroponics is a method of growing green fodder without soil in an environmentally controlled houses or machines. Many of the livestock farmers are switching to hydroponic fodder production from conventional production methods, as the fodder produced by this method are highly nutritious, provide sustainable fodder production round the year and conserve water.

### **Module-1 (4 hours)**

#### **Hydroponics and Green Fodder:**

The word hydroponics has been derived from the Greek word ‘water working’. Hydro means ‘water’ and ponic means ‘working’ and it is a technology of growing plants without soil, but in water or nutrient rich solution for a short duration in an environmentally controlled houses or machine.

“Fodder” refers particularly to food given to the animals (including plants cut and carried to them), rather than that which they forage for themselves in pasture and grazing land. It includes hay, straw, silage, compressed and pelleted feeds, oils and mixed rations, and also sprouted grains and legumes.

Hydroponic green fodder means “Fodder grown using hydroponics technology”.

#### **Nutritional value of Green fodder**

1. Natural diet for animals.
2. Improves fat and protein percentage in milk.
3. Rich in beta carotene and minerals that help in the synthesis of vitamin A.
4. Vitamin A has greater impact on reproduction.

## **Importance of Hydroponic green fodder**

### **Saves water**

Consumes 98% less water than conventional method and the used water is recycled.

### **Reduced growth time**

It takes only 8 days duration to develop from seed to fodder while it took 45 days for a conventional fodder to grow. Enhanced nutritive value – as the fodder contains the seed along with the fodder, it has higher crude protein content than conventional green fodder.

### **Marginal land usage**

Up to 1000 kg green fodder can be produced from 480 square feet area daily which is equivalent to conventional fodder (Co4) produced in 25 acres of cultivable land. Use 99% less land than conventional production method.

### **Constant supply**

Fodder can be produced round the year irrespective of the failure of monsoon, land availability, natural calamities, labour shortage. It promotes sustainable agriculture and livestock production.

### **Requires minimal man power and time**

Only 2 -3 hours of work daily, doesn't involve technical work. Farmer can do the work without difficulty.

### **Completely natural and organic**

Fodder is grown completely natural without the use of any pesticides.

### **Optimal production cost**

Production cost is optimal when compared to conventional fodder production.

Cost of production is 2.50 INR / kg of hydroponic maize fodder.

Hydroponic machine (1000 kg capacity) consumes only 40 units of current per day.

### **Reduce feed cost**

As the fodder contains more crude protein compared to conventional fodder it reduces the feed cost spent on the concentrate feed to half.

### **Minimal equipment usage**

Reduce the need for equipment and fuel used to plant, grow, harvest, transport, and store feed.

### **Nutritious fodder**

Hydroponic fodder along with seed and root (sprout mat) are highly edible and are rich in protein (10 – 17%). Ideal nutrients enriched fodder for livestock.

## **Types of Hydroponic fodder**

Yellow Maize, Cowpea, Horse gram, Sun hemp, Ragi, Bajra, Foxtail millet and Jowar has been grown successfully given good response from the livestock as a fodder.



Yellow maize



Horse gram



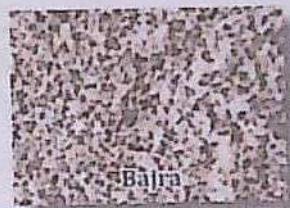
Sun hemp



Foxtail millet



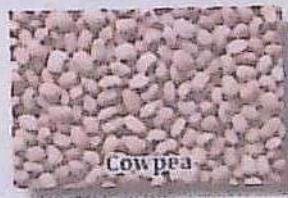
Ragi



Bajra



Jowar



Cowpea

**DEPARTMENT OF BIOTECHNOLOGY**  
**SR & BGNR GOVT. ARTS & SCIENCE COLLEGE, KHAMMAM**  
**List of Students for certificate course (attended and completed) 2018-2019**

**Batch-I B.Sc BTZC**

s.no	Reg. no	Student name	1/8	2/8	3/8	4/8	6/8	7/8	8/8
1	26193401	Adarela swapna	P	P	P	P	P	P	P
2	26193403	Arem sandeep varma	P	P	P	P	P	P	P
3	26193404	Ayesha zohra	P	P	P	P	P	P	P
4	26193405	Boda prameela	P	P	P	P	P	P	P
5	26193406	Boinapalli mahesh	P	P	A	P	P	P	A
6	26193407	Chatla vinesh	P	P	P	A	P	A	P
7	26193409	Gajula yashwanth	P	P	P	P	P	P	P
8	26193410	Gundlapelli srinivas	P	P	P	P	P	P	P
9	26193411	Gurrala suresh reddy	P	P	A	P	P	P	A
10	26193413	Jakkula shyam	P	P	A	P	P	P	A
11	26193414	Kaja pavani	P	P	P	P	P	P	P
12	26193415	Kolakani vinay kumar	P	P	A	P	P	P	A
13	26193416	Lakavath ravindar	P	P	P	A	P	A	P
14	26193417	Lakkaraju kesava varun	P	P	A	P	P	P	A
15	26193418	Madakam ashi	P	P	P	P	P	P	P
16	26193419	Madipelly abhilash	P	P	P	A	P	A	P
17	26193420	Mahmad saharnisa	P	P	A	P	P	P	A
18	26193421	Pasunuti triveni	P	P	P	P	P	P	P
19	26193422	Sirigiri sai prasad	P	P	P	P	P	P	P
20	26193423	Syed anwar pasha	P	P	A	P	P	P	A
21	26193424	Thota vishal kumar	P	P	P	P	P	P	P
22	26193425	Vorugu ashok kumar	P	P	P	P	P	P	P
23	26193426	Vulva sai mallika	P	P	P	P	P	P	P
24	26193427	Yalagala murali krishna	P	P	P	A	P	A	P

**BATCH-II B.Sc BTZC**

s.no	Reg. no	Student name	1/8	2/8	3/8	4/8	6/8	7/8	8/8
1	26193301	Anuga nagajyothi	P	P	P	P	P	P	P
2	26193302	Azmeera swathi	P	P	P	P	P	P	P
3	26193303	Banoth barath	P	P	P	P	P	P	P
4	26193304	Banoth veera babu	P	P	P	P	P	P	P
5	26193305	Boda siddhu	P	P	P	P	A	A	A
6	26193306	Daravath vamshi nayak	P	P	A	P	P	P	P
7	26193307	Guguloth kranthi kiran	P	P	P	P	P	P	P
8	26193308	Guguloth laxman	P	P	P	P	P	P	P
9	26193309	Inapanuri prem kumar	P	P	P	P	A	A	A
10	26193310	Islavath manchiram	P	P	P	P	A	A	A
11	26193411	Kama kalyan	P	P	P	P	P	P	P
12	26193312	Kannedevara sai kumar	P	P	P	P	A	A	A
13	26193313	Konkati mani chandana	P	P	A	P	P	P	P
14	26193314	Kunja nagaraju	P	P	P	P	A	A	A
15	26193315	L vishnu vardhan babu	P	P	P	P	P	P	P
16	26193316	Madala vineetha	P	P	A	P	P	P	P
17	26193317	Parsika saritha	P	P	P	P	A	A	A
18	26193318	Pothagani varsha kumari	P	P	P	P	P	P	P
19	26193319	Rapala krishna priya	P	P	P	P	P	P	P
20	26193320	Ravuri navya	P	P	P	P	A	A	A
21	26193321	Ravuri sai kiran	P	P	P	P	P	P	P
22	26193322	Sanda akhila	P	P	P	P	P	P	P
23	26193323	Tadi vijayalaxmi	P	P	P	P	P	P	P
24	26193324	Thippanaboina srujan	P	P	A	P	P	P	P

2018-2019

