

CERTIFICATE COURSES:

Certificate courses in various departments are designed to cater the needs of advanced learners as complementary to the theoretical concepts well as to cater the needs of slow learners so that they can earn their livelihood with or without the formal degree. Many departments of the college are offering certificate courses in the areas related to their own field of study.

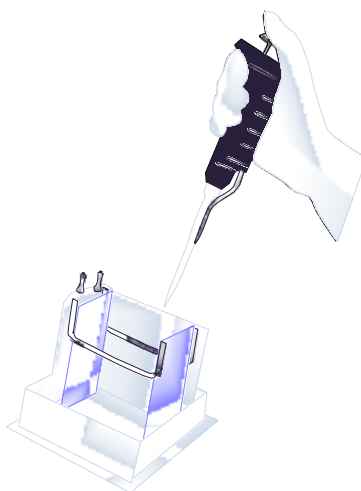
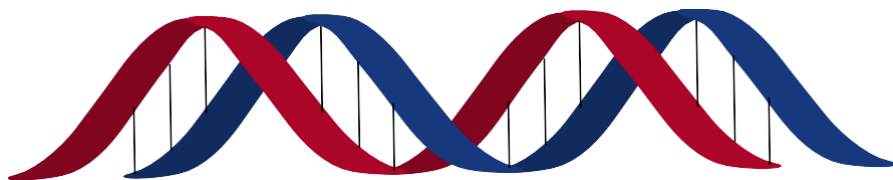
DEPARTMENT OF CHEMISTRY:



CERTIFICATE COURSE

In

“Concepts and Analytical techniques in Pharmaceutical chemistry and Organic Synthesis”



DEPARTMENT OF CHEMISTRY

TARA GOVERNMENT COLLEGE, SANGAREDDY (A)

2021-22

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CERTIFICATE COURSE

In

“Concepts and Analytical techniques in Pharmaceutical chemistry and Organic Synthesis”

Department of Chemistry, Tara Government College, Sangareddy (A) has conducted **60** hours Certificate course in **Concepts and Analytical techniques in Pharmaceutical chemistry and Organic Synthesis** for B.Sc. Final Year students for the skill development and Industry readiness. The Certificate course consist both Theoretical and Practical curricular segments with contemporary advances of Pharmaceutical Chemistry and Organic Synthesis which are the most essential attributes for acquiring the Jobs in the Pharma Sector which has colossal clutch on Industrial Stratum of the Sangareddy and nearby areas. Total **60** students of B.Sc. Chemistry-III year were trained and certified in this Certificate course in TWO (2) Batches. In **Batch-I**, 36 and in **Batch-II** 24 Students were trained.

Course Coordinator: Dr. Abhijit Kantankar, Head, Department of Chemistry

Faculty involved in the Course:

Name of the faculty	Topics Covered
Dr. Abhijit Kantankar	Theory: Chromatography, Spectroscopy & Medicinal Chemistry. Laboratory Course: Chromatography, Interpretation of Spectral Data, Software packages (ChemDraw and ChemSketch), HPLC-Virtual Demonstration & Organic Synthesis.
K.Sreedhar	Theory: Spectroscopy. Laboratory Course: Interpretation of Spectral Data.

Sweta Sagar	Theory: Medicinal Chemistry
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CONTEXT OF THE COURSE:

India dominates the worldwide generic market. With little involvement in drug development, it is primarily monopolised by API manufacturers, intermediate suppliers, and CRAMS/CRO, etc. The majority of positions in the pharmaceutical business are in CRO/CRAMS, QA, and production. All of the individuals needed in these departments must be well-versed in analytical or instrumental chemistry or organic chemistry. They do better as a result. Pharma jobs can be found in plenty in Hyderabad. Why? The city has already established itself as India's pharmaceutical capital. In 2008–2009, it exported biopharmaceuticals worth US\$3.1 billion. It is often referred to as "Genome Valley of India" and India's pharmaceutical capital due to the large number of pharmaceutical firms there. In the end, it promotes India and its economy. According to Medindia data, Hyderabad and its surrounding areas are home to more than 360 major and small pharmaceutical enterprises.

Foundation of Pharma Industry

The formation of Indian Drugs and Pharmaceuticals Limited (IDPL) in 1961 propelled the development of this metropolis to a new height. Later in 1990, the industry expanded with the establishment of:

- 1. National Institute of Pharmaceutical Education and Research**
- 2. Indian Institute of Chemical Technology**
- 3. National Institute of Nutrition**
- 4. The Centre for Cellular and Molecular Biology**

Additionally, the growth of its biotechnology and pharmaceutical industries was aided by other local institutions. Additional factors driving the expansion of the pharmaceutical business here include Genome Valley, Nano Technology Park, Fab City, and Public Sector Biotechnology Establishments. Better infrastructure was provided for this industry via cooperative existence. These elements drew numerous global corporations to establish R&D facilities, storage facilities, and manufacturing facilities. Hyderabad's retail sector has been at its height since 2007. The city is divided into various business areas. Four sectors make up Hyderabad's commercial market structure, including:

- 1. The Central Business Districts (CBD)**
- 2. The Sub-Central Business Centers**
- 3. The Neighborhood Business Centers**
- 4. Local Business Centers**

Hyderabad, Sangareddy and Surrounding Pharma Companies:

The following are a few of the city's largest pharmaceutical companies that are helping to make it a special area for job seekers who view the pharmaceutical industry as a lucrative industry:

Dr Reddy's Laboratories Ltd	Aurobindo Pharma Ltd	Hetero Drugs
Matrix Laboratories Limited	Divis Laboratories Ltd	Celestial Biolabs Limited
Granules India Ltd	Natco Pharma Limited	Pochiraju Industries Ltd
Novartis	SMS Pharmaceuticals Ltd	Suven Life Sciences Limited
A.S.V Laboratories (India) Pvt. Ltd	Acto-Pharmaceuticals laboratories	AET Laboratories Pvt. Ltd.
Ahmed & Company	Akay Pharma Pvt. Ltd	Ceecure Pharma Pvt. Ltd
Cheminor Drugs Ltd.	Cheminova remedies Pvt. Ltd.	Chemtronik Enterprises
Gladcare	Gladwin Pharmaceuticals	Gland Pharma Ltd

General Beneficiaries

Hyderabad's pharmaceutical business is growing for regional reasons, but we cannot discount the importance of India's general pharma sector growth. The Indian pharmaceutical business is anticipated to undergo significant changes and advances that will boost employment opportunities throughout the country's pharmaceutical industry, not just in Hyderabad. You can get a better idea of the potential for present and future growth from the following beneficiaries:

- It is anticipated that by 2016, 255 billion dollars' worth of patent pharmaceuticals will lose their exclusivity, greatly increasing the demand for generic products. It provides businesses with fantastic opportunity to grow.
- Due to the alleged surge in lifestyle diseases, Indian medicine sales figures may significantly increase.
- \$200 billion will be spent on medical infrastructure over the next ten years.
- The market for over-the-counter drugs in India will grow to USD 6.6 billion by 2016.
- OTC drugs will be widely and easily accessible as a result of chemists' increased presence in India's rural areas.
- Pharma companies have raised their budgets in order to reach out to rural markets. They are creating a more effective infrastructure.

India's growing population is contributing to an increase in patients. A 20% increase will be noticeable.

- The acceptance of medications is rising as a result of improved education.
- Taking into account product patents, some MNCs are prepared to introduce patented medications in India.

- By 2020, the pharmaceutical business will generate 45 billion dollars in revenue.

The value of the pharmaceuticals market in India makes up roughly 2.4% of the total market.

- By volume, the pharmaceuticals sector in India makes up around 10% of the global pharma sector.
- The nation is anticipated to be among the top three pharmaceutical markets by 2022.
- India is the world's top exporter of generic drugs, accounting for 20% of all exports.
- India has a highly skilled labour force and supportive management.
- India is the sixth-largest market in the world by market size.
- India is on the road to prosperity. It will enable us to purchase generic medications off the shelf.
- Why The approval process for new settlements and facilities is no longer lengthy. Government is becoming more adaptable.
- If we compare it to the total production in Europe, it only requires half as much.

Major Pharma Industries in Sangareddy area:

Aurigene Discovery Technologies Limited

Address: Bollaram Road, Miyapur, Hyderabad -500 049.

Contact number: + 91 40 4465 7777

Type: Biotech Company

Dr. Reddy's Laboratories Limited

Address: API Hyderabad Plant 1, Plot No. 137 & 138 IDA Bollaram (V), Jinnaram(M), Sangareddy (Dist) 502325, Telangana.

Contact number: +91.8458.283 200

Type: Api plant

Dr. Reddy's Laboratories Limited

Address: API Hyderabad Plant 2, Chemical Technical operations, Unit – II, Plot No. 1, 75A, 75B, 110, 111 & 112, Sri Venkateswara Co-operative Industrial Estate, Bollaram(V),

Jinnaram ((M)), Sangareddy (Dist)- 502 325, Telangana

Type: Api plant

Dr. Reddy's Laboratories Limited

Address: API Hyderabad 3, Plot No. 116, 116A & 126C & SY No. 157 IDA Bollaram (V), Jinnaram (M) Sangareddy (Dist) – 502 325, Telangana.

Contact number: +91.8458.283 700

Type: Api plant

Dr. Reddy's Laboratories Limited

Address: Formulations Hyderabad Plant 1, Plot No. 146,

IDA Bollaram(V), Jinnaram (M), Sangareddy (Dist) -502 320, Telangana.

Contact number: +91.8458.279 669

Type: Formulation plant

Gennex Laboratories Limited

Address :Survey No.133, IDA Bollaram(V), Jinnaram (M), Sangareddy (Dist)– 502 325, TG

Type: Api Plant

Hi-tech Pharmaceuticals

Address: 34-B,I.D.A Bollaram, Jinnaram(M), Sangareddy District,Telangana-502325.

Type: Contract Manufacturing Organisation (CMO)

Medreich Limited

Address: Manufacturing Unit V, #45 A & B,Anrich Industrial Estate,

Bollaram(V), Jinnaram(M), Sangareddy (Dist), Telangana 503325

Contact number: 08458 279289

Type: Contract Manufacturing Organisation

MSN Laboratories Pvt Ltd.

Address: Plot No- 42, Anrich Industrial Estate, Bollaram (V), Jinnaram (M), Sangareddy (Dist)- 520 325,.

Contact number: +91-8458279936/937

Fax No- 91-8458-279938

Type: Formulation plant

MSN Laboratories Pvt Ltd.

Address: Plot No- 42, Anrich Industrial Estate, Bollaram (V), Jinnaram (M), Sangareddy (Dist)- 520 325, Telangana.

Contact number: +91-8458279936/937,

Fax No- 91-8458-279938

Type: Formulation plant

Mylan Laboratories Limited

Address: Plot No. 34-A, ANRICH Industrial Estate, Bollaram(V), Jinnaram (M), Sangareddy(Dist)-502325, TG.

Contact number: + 91 – 40 –3049200 / 8458 – 279301

Type: “R & D & RA – (API & Finisher Dosage Formulation)

Type: Api plant & formulation

Prabhava Organics Pvt Ltd

Address: plot no.103/b, s.v. Co-operative industrial estate, bollaram(V), Jinnaram(M), sangareddy (Dist), TG.

Type: plant

Rampex Labs Pvt Ltd

Address: Plot No. 151, S.V. Co-Operative Indl, Estate Village Road, IDA Bollaram, Jinnaram(M), Sangareddy (Dist), Telangana-502 325.

Contact number: +91 8458 279681 / 279682

Type: Api plant

Sai life sciences Ltd

Address: Unit-III, Survey No. 296/7/3 & 4, IDA Bollaram(V), Jinnaram (M), Sangareddy (Dist)-502325, TG

Type: Contract Research Organisation

SMS pharmaceuticals Limited

Address: Sy. No. 296/7/4, S.V. Co.op Ind. Estate I.D.A., Bollaram(V), Sangareddy (Dist) – 502 325, Telangana.

Contact number : + 91 – 040 – 64547975

Type: Plant

Sri Krishna Pharmaceuticals limited

Address: Unit IV, Survey no 296/7/10/, IDA, Bollaram(V), Jinnaram (M) 502 324, Sangareddy (Dist)-502319, Telangana.

Contact number: +91-8458 279296/8458320333.

Type: Api plant

Yeluri Pharmaceuticals Pvt Ltd

Address: SY NO: 296/7/6, IDA Bollaram, Jinnaram(M), Sangareddy (Dist), Telangana – 502325.

Type: CMO(Contract Manufacturing Organisation)

STRUCTURE OF THE CERTIFICATE COURSE

AIM OF THE COURSE

To impart the Concepts and Analytical techniques of Pharmaceutical chemistry and Organic Synthesis to students so that they can effectively absorbed in Pharmaceutical industries after completion of their graduation.

OBJECTIVES

1. To brush up the technical skills of students in organic synthesis and analytical chemistry to make them industry ready graduates in pharmaceutical companies.
2. To understand the real time challenges involved in organic synthesis.
- 3 To enable students to understand and interpret technicalities of organic synthesis using advance instrumentations.
4. Provide the basic knowledge of Medicinal chemistry.
5. Hands on experience on Chemical softwares.
6. To study the concepts of Medicinal Chemistry.

SYLLABUS

B. Sc. (Chemistry) III Year

Credits 05

Sub : Chemistry

Course	Certificate course
Module (Unit)	“Concepts and Analytical techniques in Pharmaceutical chemistry and Organic Synthesis”
Semester in which the course is to be taught	Semester V/VI
No. of credits	05 (Theory-02, Practical-02 &Project-01)
No. of Contact hours	15 hrs/ week (Maximum)

THEORY (30H)-02 CREDITS

Unit-I: Chromatography

10h

Chromatography: Classification of chromatographic methods, principles of differential migration, adsorption phenomenon, nature of adsorbents, solvent systems.

Thin layer Chromatography (TLC): Advantages, preparation of plates, development of the chromatogram, Detection of the spots using UV cabinet, factors effecting R_f values and applications.

Column Chromatography- Principle, Types of stationary phases, Column packing – Wet packing technique, Dry packing technique. Selection criteria of mobile phase solvents for eluting polar, non-polar compounds and its applications.

High performance liquid chromatography: Theory and instrumentation, stationary phases and mobile phases. Methods of analysis of purity of compounds.

Unit -II: Spectroscopy-I:

10h

a) **^1H NMR spectroscopy:** Magnetic properties of nuclei, Principles of NMR, equivalent and non equivalent protons, Chemical shifts, factors affecting the chemical shifts, electro negativity and anisotropy, shielding and deshielding effects, Signal integration, Spin-spin coupling: vicinal, germinal and long range, Coupling constants and factors affecting coupling constants. Applications of ^1H NMR spectroscopy: Reaction mechanisms (cyclic bromonium ion, electrophilic and nucleophilic substitutions, carbocations and carbanions), E, Z isomers, conformation of cyclohexane and decalins, keto-enol tautomerism, hydrogen bonding, proton exchange processes (alcohols, amines and carboxylic acids), C-N rotation.

b) **Mass spectrometry:** Origin of mass spectrum, principles of EI mass spectrometer. Types of fragments: odd electron and even electron containing neutral and charged species (even electron rule), Nitrogen rule, isotopic peaks, determination of molecular formula, metastable ion peaks. High resolution mass spectrometry. Salient features of fragmentation pattern of organic compounds including β -cleavage, McLafferty rearrangement, retro Diels – Alder fragmentation and ortho effect. Principle of EI, CI, Fast Atom Bombardment (FAB), Secondary Ion Mass Spectrometry (SIMS), Electrospray (ESI) ionization and Matrix Assisted Laser Desorption Ionization (MALDI) methods. Introduction to principle and applications of Gas Chromatography-Mass Spectrometry (GC-MS) and Liquid chromatography-Mass Spectrometry (LC-MS) techniques.

Unit -III: Medicinal Chemistry:

10h

Basic terminology of medicinal chemistry, Types of disease, Drug nomenclature, classification of drugs, enzymes and bio-receptors, molecular messengers, synthesis of analgesic, antipyretic, antibacterial, antimalarial, anticancer, antidiabetic and antiviral drugs. Concepts of API and Bulk drug synthesis.

References:

1. Analytical Chemistry by David Krupadanam, Universities Press (India) Limited
2. D.A. Skoog, F.J. Holler, T.A. Nieman, Principles of Instrumental Analysis, Engage earningIndia Ed.
3. D. A. Skoog, D.M. West, F.J. Holler, Fundamentals of Analytical Chemistry 6thEd.,Saunders College Publishing, Fort worth (1992).
4. Willard, H.H., Merritt, L.L., Dean, J. &Settoe, F.A. Instrumental Methods of Analysis. 7thEd. Wadsworth Publishing Co. Ltd., Belmont, California, USA, 1988.
5. Harris, D. C. Quantitative Chemical Analysis, W. H. Freeman.2007.
6. Dean, J. A. Analytical Chemistry Notebook, McGraw Hill.
7. Day, R. A. & Underwood, A. L. Quantitative Analysis, Prentice Hall of India.
8. Freifelder, D. Physical Biochemistry 2nd Ed., W.H. Freeman and Co., N.Y. USA, 1982.
9. Cooper, T.G. The Tools of Biochemistry, John Wiley and Sons, N.Y. USA. 16,1977.
10. Vogel, A. I. Vogel's Qualitative Inorganic Analysis 7th Ed., Prentice Hall.
11. Vogel, A. I. Vogel's Quantitative Chemical Analysis 6th Ed., Prentice Hall.
12. Robinson, J.W. Undergraduate Instrumental Analysis 5th Ed., Marcel Dekker, Inc, NewYork (1995).
13. Analytical Chemistry 7thedition by Gary D. Christian (2004).
14. B. K. Sharma, Industrial Chemistry (including Chemical Engineering). Edn.(1997).
15. M.N Sastry, Separation Methods, Paperback (2004), Himalaya Publications.
16. Usharani Analytical Chemistry Paperback (2000) Narosa Publications.
17. Fundamentals of Molecular Spectroscopy, Banwell and McCash.
18. Introduction to Molecular Spectroscopy, G.M. Barrow.
19. Absorption Spectroscopy of Organic Compounds, J.R. Dyer.
20. Biochemistry: Hames and Hooper.
21. Introduction to Spectroscopy, Pavia Lampman Kriz.
22. Pharmaceutical analysis, Watson
23. NMR in Chemistry- A multinuclear introduction, William Kemp.
24. Organic Spectroscopy, William Kemp.
25. Spectroscopy of organic compounds, P.S. Kalsi.
26. Structural methods n Inorganic chemistry, E.A.V Ebsworth.
27. Organic Spectroscopy, LDS Yadav
28. Organic Spectroscopy, Y.R. Sharma
29. Molecular Spectroscopy – Arhuldas
30. Medicinal chemistry-Ashutosh Kar

LABORATORY COURSE (30H)-02 CREDITS

1. Chromatography

Thin layer chromatography: Determination of purity of a given sample, monitoring the progress of chemical reactions and column chromatographic separations, identification of unknown organic compounds by comparing the R_f values of known standards, and preparative TLC for separation of mixtures.

Separation / Purification by column chromatography: Separation of a isomeric mixtures using column chromatography with simultaneous monitoring of separation of compounds using TLC.

2. Interpretation of spectral data

Identification of unknown organic compounds by interpretation of IR, ^1H NMR, ^{13}C NMR and mass spectra.

- 3. ChemDraw and ChemSketch:** Molecular structure drawing with 3D geometry, drawing of chemical reactions with mechanism, Chemical analysis.
- 4. HPLC:** Demonstration of analysis of purity of organic compound by using HPLC (Virtual)
- 5. Organic synthesis:** Basic synthetic reactions: Oxidation, Reduction, cyclization and condensation reactions. Total synthesis of chromone, coumarin and quinoline based natural products. Isolation of Natural products.

References:

1. Practical organic chemistry by Mann & Saunders
2. Text book of practical organic chemistry by Vogel
3. Chromatography: Principles and Instrumentation (Chemical Analysis
4. Practical chemistry by V.K Ahluwalia, Sunitha Dhingra, Adarsh Gulati.
5. Text book of practical organic chemistry by Vogel
6. The systematic identification of organic compounds by Shriner et.al
7. Analytical chemistry by G N David Krupadanam et.al
8. Advanced practical medicinal chemistry by Ashutoshkar
9. Pharmaceutical drug analysis by Ashutoshkar
10. Quantitative analysis of drugs in pharmaceutical formulations by P D Sethi
11. Practical pharmaceutical chemistry part-1 and part-2 by A H Beckett and J B Stenlake
12. Organic Spectroscopy by JagMohan.

Tara Government College, Sangareddy
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SCHEME OF EXAMINATION

Theory Examinations (External)	:	30 Marks
Theory Examinations (Internal)	:	20 Marks
Project	:	20 Marks
Practical Examinations	:	30 Marks

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Blue Print of Question paper

External Exam

7 ½ X 4 = 30

Answer any four of the following questions

- 1.**
- 2.**
- 3.**
- 4.**
- 5.**
- 6.**

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Blue Print of Question paper
Internal Assessment

1 X 20 = 20M

Choose the correct Answer (MCQ)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.
- 20.

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Scheme of Practical Examination

1. Major Experiment	15 Marks
2. Minor Experiment	
A.	05 Marks
B.	05 Marks
3. Record	03 Marks
4. Viva-voce	02 Marks
TOTAL	30 Marks

TARA GOVERNMENT COLLEGE (AUTONOMOUS), SANGAREDDY-502001,
DEPARTMENT OF CHEMISTRY
“Concepts and Analytical techniques in Pharmaceutical chemistry and Organic Synthesis”

INTERNAL ASSESSMENT

Max Marks: 20

Name :

Roll Number:

Group:

CHOOSE THE CORRECT ANSWER FROM GIVEN OPTIONS. 20x1=20 M

- 1. Which of the following drug used in treatment of Bacterial diseases?**
 - a. Sulphanilamide
 - b. Paracetamol
 - c. Aspirin
 - d. All of the above
- 2. Which of the following drug has free amino functional group?**
 - a. PABA
 - b. Paracetamol
 - c. Aspirin
 - d. Chloroquin
- 3. Which of the following drug has quinoline skeleton?**
 - a. Chloroquin
 - b. Aspirin
 - c. Omeprazol
 - d. Isoniazid
- 4. Which of the following drug used in cancer treatment?.**
 - a. Cisplatin
 - b. Penicillin
 - c. Aspirin
 - d. None of the above
- 5. The chemical name of Aspirin**
 - a. Acetyl salicylic acid
 - b. Para amino phenol
 - c. Para actamido phenol
 - d. Diamino phenol
- 6. Drug used in_____.**
 - e. Diagnosis of the diseases b. Cure of the diseases
 - c. Prevention of the diseases d. All of the above
- 7. Which of the following disease is air borne_____?**
 - e. Malaria b. Typhoid c. Dysentery d. Influenza
- 8. Which of the following is chemical name of Aspirin**
 - e. Para amino phenol b. Para amino bnzoic acid
 - c. Dinitro phenol d. Acetyl salicylic acid

9. Acyclovir is a _____ drug.

- a. Antibacterial b. Antiprotozoan c. Anticancer d. Antiviral
- 10. Which following drug is an anti-inflammatory**
 a. Clotrimazole b. Penicillin c. Dapsone d. Ibuprofen
- 11. The process of extraction of adsorbed components from the adsorbent with the help of solvent is called as _____.**
 f. Elution
 g. Promulgation
 h. Simulation
 i. None of the above
- 12. Zeolites are usually used in _____ chromatography.**
 f. Ion Exchange chromatography
 g. HPLC
 h. GSC
 i. TLC
- 13. What is the mobile phase in GLC?.**
 e. Liquid b. Gas c. Solid d. Water
- 14. The most widely used detectors in Gas Chromatography?.**
 e. Thermal conductivity detector
 f. Flame ionization detector
 g. Electron capture detector
 h. All of the above
- 15. The operating pressure in HPLC is _____.**
 f. 3000psi b. 300psi c. 30psi d. 100psi
- 16. In HPLC sample injection system is equipped with _____.**
 a. Micro syringe
 b. Micro pipette
 c. Microscope
 d. Micrometer
- 17. Determination of sodium and potassium from their salt mixture is done by _____.**
 j. HPLC
 k. Ion Exchange chromatography
 l. Paper chromatography
 m. GLC
- 18. Which of the following factor affects the efficiency of Column chromatography?.**
 a. Quality of solvents
 b. Temperature
 c. Particle size of the column packing
 d. All of the above
- 19. Which of the following chromatographic technique is the most accurate?.**
 a. HPLC b. TLC c. PC d. CC
- 20. Column chromatography is always incorporated with _____.**
 a. TLC b. HPLC c. GSC d. PC

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***“Concepts and Analytical techniques in Pharmaceutical chemistry
and Organic Synthesis”***

External Exam

ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS $7\frac{1}{2} \times 4 = 30$

1. Explain the different Column packing Techniques of Column Chromatography.
2. Write the applications of HPLC in pharmaceutical chemistry.
3. How should you identify the reactions mechanism of Nucleophilic and Electrophilic Substitution reactions using $^1\text{H-NMR}$ Spectroscopy?.
4. Explain the Nitrogen Rule and Isotopic peaks in Mass Spectrometry.
5. Explain the Classification of Drugs.
6. Write the Synthesis and therapeutic activity of Paracetamol and sulphanilamide.

Photo Gallery:









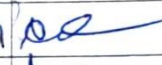

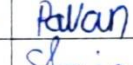

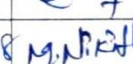
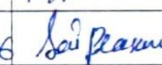
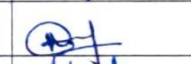




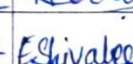
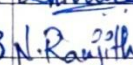
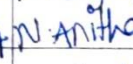
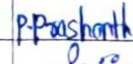
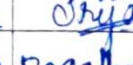

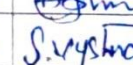
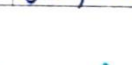




Certificate Course in "Concepts and Analytical techniques in Pharmaceutical chemistry and Organic Synthesis"

**DEPARTMENT OF CHEMISTRY
TARA GOVT. COLLEGE, SANGAREDDY(A)**

STUDENT ENROLLMENT

Batch - I

S.No.	Name	Group	Year	Roll Number	Signature
01	Nickadappa	BIBC	III rd year	6058-19-572-001	
02	G. Shubhkanth	BIBC	III rd year	6058-19-572-005	
03	B. Pavankumar	BIBC	III rd year	6058-19-572-003	
04	Saiteja	BIBC	III rd year	6058-19-572-010	
05	Anilkumar . K	BIBC	III rd year	6058-19-572-007	
06	M. Nikitha	BIBC	III rd year	6058-19-572-008	
07	Saivrasanna	BIBC	III rd year	6058-19-572-006	
08	U. Navaneetha	BIBC	III rd year	6058-19-572-014	
09	Meenakshi	BIBC	III rd year	6058-19-572-012	
10	S. Lakman	BIBC	III rd year	6058-19-572-013	
11)	Vamshi k. J	BIBC	III rd year	6058-19-572-015	
12)	Amrin	MZC	III rd year	6058-19-457-001	
13)	Sangeetha.	MZC	III rd year	6058-19-457-002	
• 14)	E. Shivalakshmi	MZC	III rd year	6058-19-457-007	
• 15)	N. Ranjitha	MZC	III rd year	6058-19-457-013	
• 16)	N. Anitha	MZC	III rd year	6058-19-457-014	
17)	P. Prashanth Kumar	MZC	III rd year	6058-19-457-018	
• 18)	P. Srija	MZC	III rd year	6058-19-457-021	
19)	P. Madhavi	MZC	III rd year	6058-19-457-022	
• 20)	R. Abhisheka Sumalatha	MZC	III rd year	6058-19-457-023	
21)	S. Vyshnavi	MZC	III rd year	6058-19-457-025	



Certificate Course in "Concepts and Analytical techniques in Pharmaceutical chemistry and Organic Synthesis"

**DEPARTMENT OF CHEMISTRY
TARA GOVT. COLLEGE, SANGAREDDY(A)**

STUDENT ENROLLMENT

Batch-I

S.No.	Name	Group	Year	Roll Number	Signature
22)	M. Ruchitha	MZC	III rd year	6058-19-457-012	<i>Ruchitha</i>
• 23)	U. Kanya Sri	MZC	III rd year	6058-19-457-028	<i>Kanyasri</i>
24)	U. Anjuna	MZC	III rd year	6058-19-457-029	<i>Anjuna</i>
• 25)	V. Keethana	MZC	III rd year	6058-19-457-030	<i>Keethana</i>
• 26)	K. Mounika	BZC	III rd year	6058-19-445-064	<i>K. Mounika</i>
27)	K. Namdev	BZC	III rd year	6058-19-445-066	<i>K. Namdev</i>
28)	K. Prasanth Kumar	BZC	III rd year	6058-19-445-068	<i>Prasanth Kumar</i>
29)	B. Radhika	BZC	III rd year	6058-19-445-019	<i>B. Radhika</i>
30)	B. Sukanya	BZC	III rd year	6058-19-445-013	<i>B. Sukanya</i>
31)	H. Vasantha	BZC	III rd year	6058-19-445-047	<i>H. Vasantha</i>
• 32)	U. Sai Bhargavi	BZC	III rd year	6058-19-445-097	<i>U. Sai Bhargavi</i>
33)	E. Srikanth	BZC	III rd year	6058-19-445-037	<i>E. Srikanth</i>
34)	M. Jagoor	BZC	III rd year	6058-19-445-077	<i>M. Jagoor</i>
35)	M. Maheshwari	BZC	III rd year	6058-19-445-073	<i>M. Maheshwari</i>
36)	B. Pooja Rani	BZC	III rd year	6058-19-445-021	<i>B. Pooja Rani</i>

Prof

Certificate Course in "Concepts and Analytical techniques in Pharmaceutical chemistry and Organic Synthesis"

**DEPARTMENT OF CHEMISTRY
TARA GOVT. COLLEGE, SANGAREDDY(A)**

STUDENT ENROLLMENT

Batch-II

S.No.	Name	Group	Year	Roll Number	Signature
1	K. Narsimulu	BSC (BZC) E/M	III	6058-19-445-059	K. Narsimulu
2	H. Vishnu	BSC (BZC) E/M	III	6058-19-445-048	H. Vishnu
3	K. Vishnu	BSC (BZC) E/M	III	6058-19-445-065	K. Vishnu
4	E. SriLatha	BSC (MPC) E/M	III	6058-19-441-021	E. SriLatha
5	M. Shiva kumar	BSC (MPC) E/M	III	6058-19-441-055	M. Shiva kumar
6	B. Jagadeeshwar	BSC (MPC) E/M	III	6058-19-441-016	B. Jagadeeshwar
7	A. Nagaraju	BSC (MPC) E/M	III	6058-19-441-004	A. Nagaraju
8	M. Naveen	BSC (MPC) E/M	III	6058-19-441-056	M. Naveen
9	G. Sravani	BSC (MPC) E/M	III	6058-19-441-027	G. Sravani
10	M. Rohith	BSC (MPC) E/M	III rd	6058-19-441-049	M. Rohith
11	P. Pawan	BSC (MPC) E/M	III rd	6058-19-441-069	P. Pawan
12	G. Annapurna	BSC (MPC) E/M	III rd	6058-19-441-022	G. Annapurna
13	K. Subhash	BSC (MPC) E/M	III rd	6058-19-441-088	K. Subhash
14	K. Saiteja Reddy	BSC (MPC) E/M	III rd	6058-19-441-042	K. Saiteja Reddy
15	L. Shadath	BSC (MPC) E/M	III rd	6058-19-441-045	L. Shadath
16	J. Harshitha	BSC (MPC) E/M	III rd	6058-19-441-032	J. Harshitha
17	P. Srikanth	BSC (MPC) E/M	III rd	6058-19-441-062	P. Srikanth
18	A. Harok	BSC (BZC) E/M	III rd	6058-19-445-002	A. Harok
19	E. Karthik	BSC (MPC) E/M	III rd	6058-19-441-020	E. Karthik
20	P. Padma	BSC (BZC) E/M	III rd	6058-19-445-087	P. Padma
21	K. Goraknath	BSC (MPC) E/M	III rd	6058-19-441-043	K. Goraknath

[Signature]



Tara Government College Sangareddy

(Autonomous)

An ISO 9001: 2015 certified college

Department of Botany

CERTIFICATE COURSE IN SOIL TESTING

2021-2022

INDEX

S.No.	CONTENT
1.	About the Certificate Course
2.	Context of the Certificate Course
3.	Aims & Objectives
4.	Syllabus
5.	Scheme of Examination
6.	Question Paper
7.	Photo Gallery
8.	Certificate Copy
9.	Student Enrollment & Attendance

About the Certificate Course:

The department of Botany has conducted the certificate course in Soil Testing with one Credit- 15 hours, for the B.Sc Life Sciences-Ilyr &IIlyr students. The course consists of both theory and practicals. Nearly 60 students have been trained in this course with two batches with the help of Soil Testing Lab, Sangareddy.

Course Coordinator: Dr.S.Vijaya;

Co-Coordinator: Dr.N.Siddulu & Dr.O.Padmaja;

Members: M.Gnaneshwar & M.Raju


Context of the Course:

The certificate course has started in soil Testing to motivate the students to study and analyse the soils present in the fields of the surrounding villages and to help the farmers to know the type of the soil and the nutrient content present in the soil. This course enables the skill development of the students for the future self-employment and also the social responsibility towards the socio-economic development of the society.

Aim of the Course:

To determine the type of the soil and also to analyse the nutrient content present in the soil.


Head
Department of Botany
Tara Government College
Sangareddy-502 001, Telangana.


PRINCIPAL
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(AUTONOMOUS)
SANGAREDDY-502 001

Objectives of the Course:

1. To know the type of the soil collected from the fields.
2. To know the nutrient level of the elements present in the soil.
3. To take the measures to improve the quality of the soil.

Syllabus of the Course:

S.No.	Contents
1.	Introduction of Soil Health Management: Importance & Objectives
2.	Importance of soil Testing
3.	Soil Sampling Method and Procedures
4.	Soil Parameters
5.	Determination of Soil Colour & Texture by Feel Method
6.	Determination of Soil Reaction
7.	Determination of electrical Conductivity
8.	Determination of Organic Carbon
9.	Determination of Available Nitrogen
10.	Determination of Available Phosphorous
11.	Determination of Available Potassium
12.	Determination of Available Boron
13.	Determination of Available Sulphur
14.	Determination of Available Micro Nutrients

References:

Scheme of Examination:

Theory Question Paper: 25 Marks for 1 hour

Essay question : 1X5 =5Marks

Short question: 10X2=20Marks

Record: 5Marks

Blue-Print of the Question Paper

Essay Question:

1. Write about the soil sampling and also about the steps in soil testing?

Short Question & Answer:

2. Define Labelling?
3. At what time you have to collect the soil samples?
4. Write a short note on soil texture?
5. What is the pH of acidic and basic soils?
6. State the principle of estimation of Gypsum required for alkali soil?

Head
Department of Botany
Tara Government College (A)
Sangareddy-502 001, Telangana.

PRINCIPAL
TARA GOVT COLL.
(AUTONOMOUS)
SANGAREDDY-502 001

7. Write a short note on a wet digestion method?
8. What are the major nutrient deficiencies in soil and what are the symptoms seen on plants?
9. What is the percentage of Nitrogen in the atmosphere? How does the fixation take place?
10. Define the Soil?
11. Draw a diagram of soil profile?

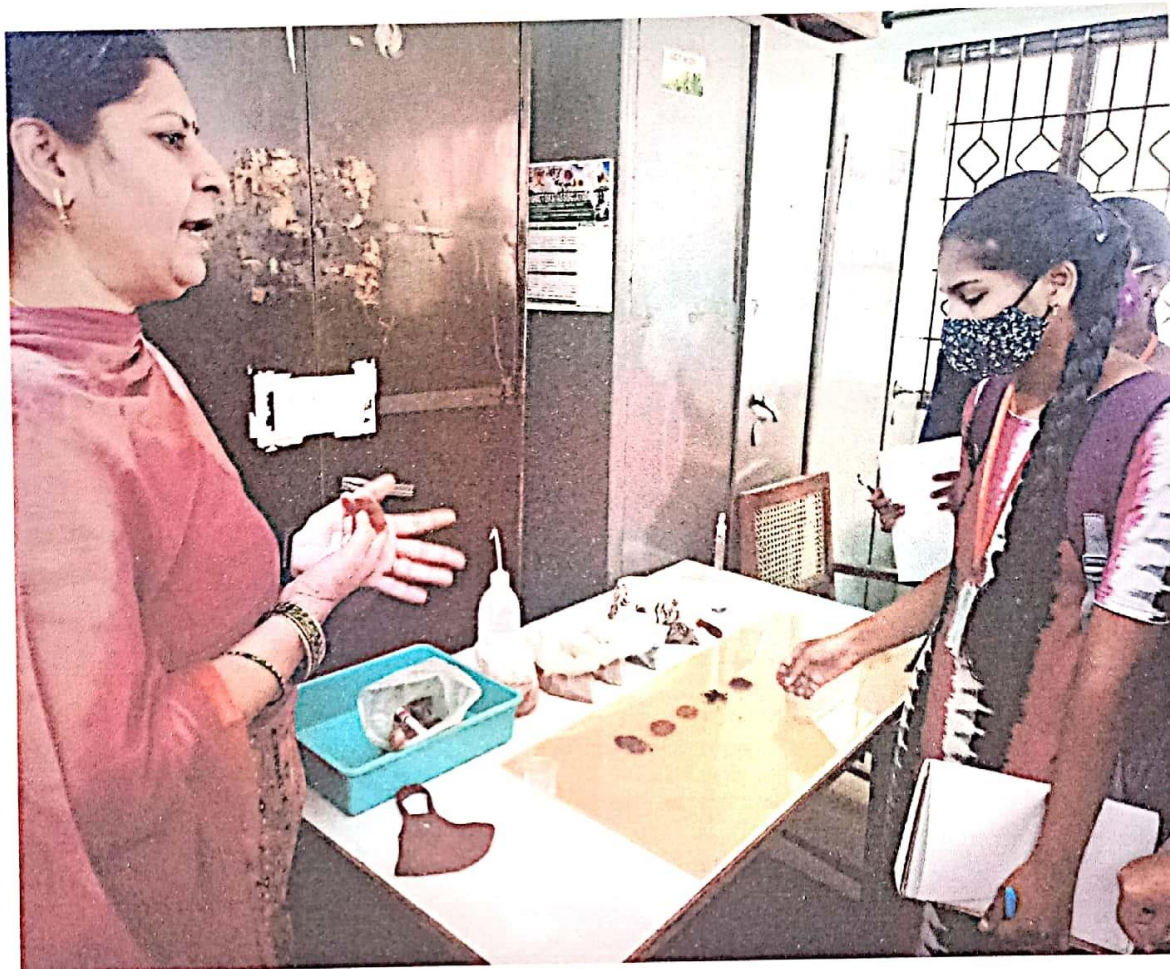
Sample of the Certificate



Head
Department of Botany
Tara Government College (A)
Sangareddy-502 001, Telangana.

PRINCIPAL
TARA GOVT
(AUTONOMOUS)
SANGAREDDY-502 001

Photo Gallery



Training given to the students by the staff of the Soil Testing Lab, Sangareddy

[Signature]
Head
Department of Botany
Tara Government College (A)
Sangareddy-502 001, Telangana.

[Signature]
PRINCIPAL
TARA GOVT COLI.
(AUTONOMOUS)
SANGAREDDY-502 001



Explaining the students about the process of Analysis



Soil Testing Lab, Sangareddy

[Signature]
Head
 Department of Botany
 Tara Government College (A)
 Sangareddy-502 001, Telangana.

[Signature]
PRINCIPAL
 TARA GOVT COLLEGE
 (AUTONOMOUS)
 SANGAREDDY-502 001



Principal Madam Addressing the Students



Certificates Given to the Students


Head
 Department of Botany
 Tara Government. College (A)
 Sangareddy-502 001, Telangana.


PRINCIPAL
 TARA GOVT COLLEGE
 (AUTONOMOUS)
 SANGAREDDY-502 001

Sl. No. of R.	Roll Number	Group	Sl. No. of R.	Roll Number	Group
1	101	101	1	101	101
2	102	102	2	102	102
3	103	103	3	103	103
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Head
Department of Botany
Tara Government College (A)
Sangareddy-502 001, Telangana.

PRINCIPAL
TARA GOVT COLLEGE
(AUTONOMOUS)
SANGAREDDY-502 001

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PRINCIPAL.
TAKA GOVT C. ...
(AUTONOMOUS,
SANGAREDDY-502 001



TARA GOVERNMENT COLLEGE (A), SANGAREDDY

(Accredited by NAAC 'B' Grade & An ISO 9001:2015 Certified College, Affiliated to Osmania University)

Department of Commerce



CERTIFICATE COURSES

Organized by the Department of Commerce

- 1. Online Certificate Course in Basic Accounting**
- 2. Certificate Course in E-filing of Income Tax Returns**

N. Shyam Prasad
N. Shyam Prasad
Coordinator

Department of Commerce
TARA GOVERNMENT COLLEGE
SANGAREDDY

V. Santhoshi
V. Santhoshi
Convener

Department of Commerce
TARA GOVERNMENT COLLEGE
SANGAREDDY

Smt. M. Praveena
Smt. M. Praveena
PRINCIPAL

TARA GOVT COLLEGE
(AUTONOMOUS)
SANGAREDDY-502 001

Tara Government College Sangareddy

Department of Commerce

Certificate Course in E-Filing of Income Tax Returns

23.08.2022 to 09.09.2022

Department of Commerce, Tara Government College conducted a Certificate Course in E-Filing of Income Tax Returns from 23.08.2022 to 9.09.2022

Objectives:

- To increase the employment opportunities to the participants in the course.
- To enhance the skill set of the participants in the course work

Resource persons- 1. N. Shyam Prasad, Lecturer in Commerce

2. N. Narahari, Lecturer in Commerce

3. B.Srinivas, Lecturer in Commerce

The inaugural ceremony of the Certificate Course in E-Filing of Income Tax Returns was held on 23.08.2022 at 12.00 noon in the Seminar Hall of our College. Sri N. Shyam Prasad, Lecturer in Commerce welcomed the guests on to the dais. V.Santhishi, Asst. Professor & Head Department of Commerce introduced the course objectives to the audience. Then Chief Guest of the Program & Principal Smt. M. Praveena explained the employment opportunities in E-Filing of Income Tax Returns and Vice Principal Dr. Venkatesham sir spoke about the importance of regularity in attending the classes and enhancement of the skill set of the students. Total No. of students registered for the E-Filing course: 61 members from B. Com & BBA sections.



Sri N. Narahari and B. Srinivas, resource persons of the course talked about the course work.



ప్రతిభ చాటితేనే అవకాశాలు

సంగారెడ్డి టౌన్: ప్రస్తుత పోటీ ప్రపంచంలో చదువుతో పాటు అన్ని అంశాల్లోనూ ప్రతిభచాటితేనే అవకాశాలు ఉంటాయని స్థానిక తారా ప్రభుత్వ డిగ్రీ కళాశాల ప్రిన్సిపల్ ప్రవీణ అన్నారు. మంగళవారం స్థానిక కళాశాలలో కామర్స్ విభాగం ఆధ్వర్యంలో ఈ-ఫైలింగ్ పై సర్టిఫికేట్ కోర్సును ఆమె ప్రారంభించి మాట్లాడారు. కంప్యూటర్ పరిజ్ఞానం పెంపొందించాలన్న లక్ష్యంతో బీకాం, బీబీఏ విద్యార్థులకు ఈ కోర్సులో శిక్షణ ఇస్తున్నట్లు తెలిపారు. రోజుకు రెండు గంటల చొప్పున 15 రోజుల పాటు కొనసాగనుం దని పేర్కొన్నారు. కార్యక్రమంలో వైస్ ప్రిన్సిపల్ వెంకటేశం, కామర్స్ విభాగ అధిపతి సంతోష్ తదితరులు పాల్గొన్నారు.

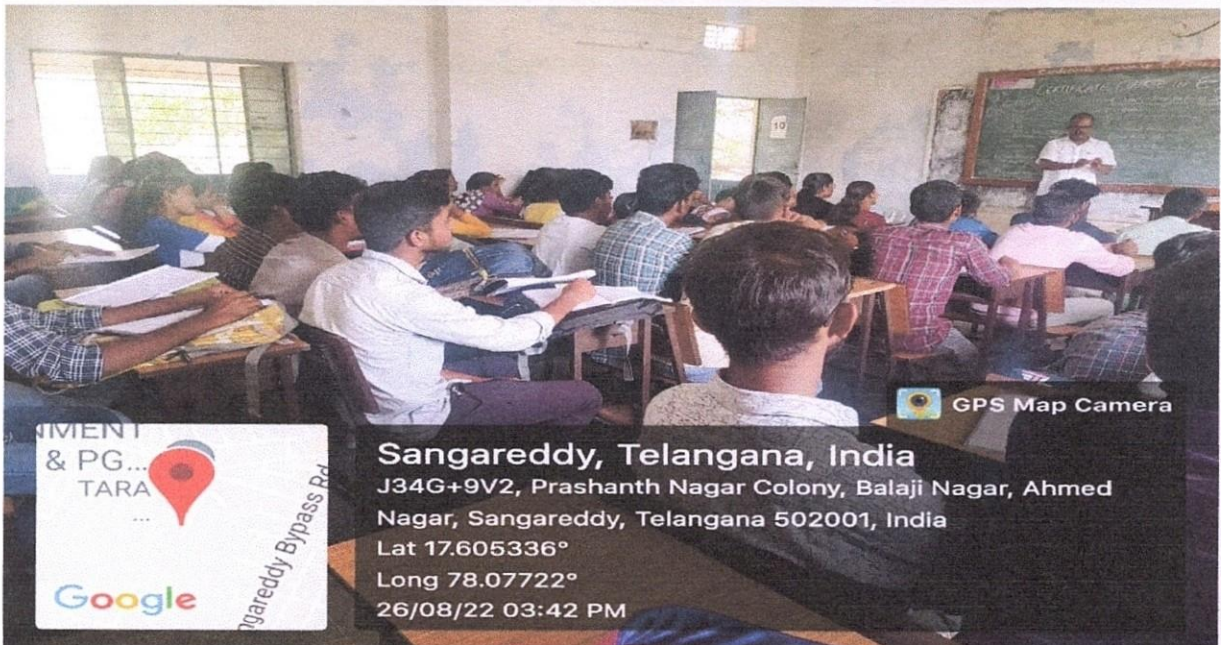
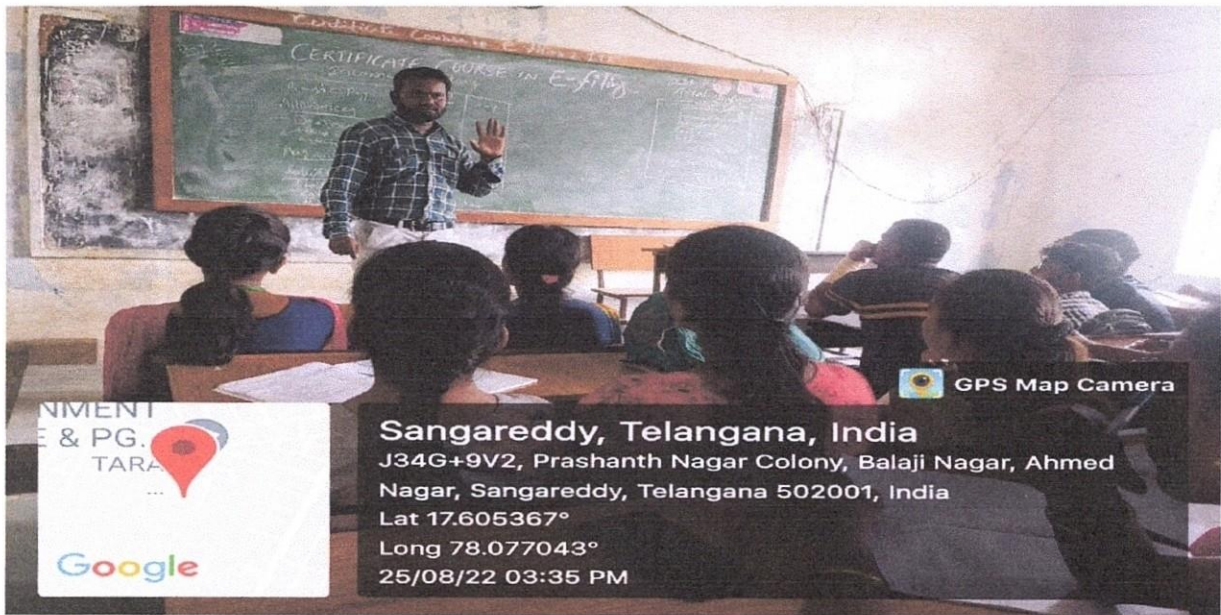
మాట్లాడుతున్న ప్రిన్సిపల్ ప్రవీణ

'తారా'లో ఈ ఫైలింగ్ పై సర్టిఫికేట్ కోర్సు



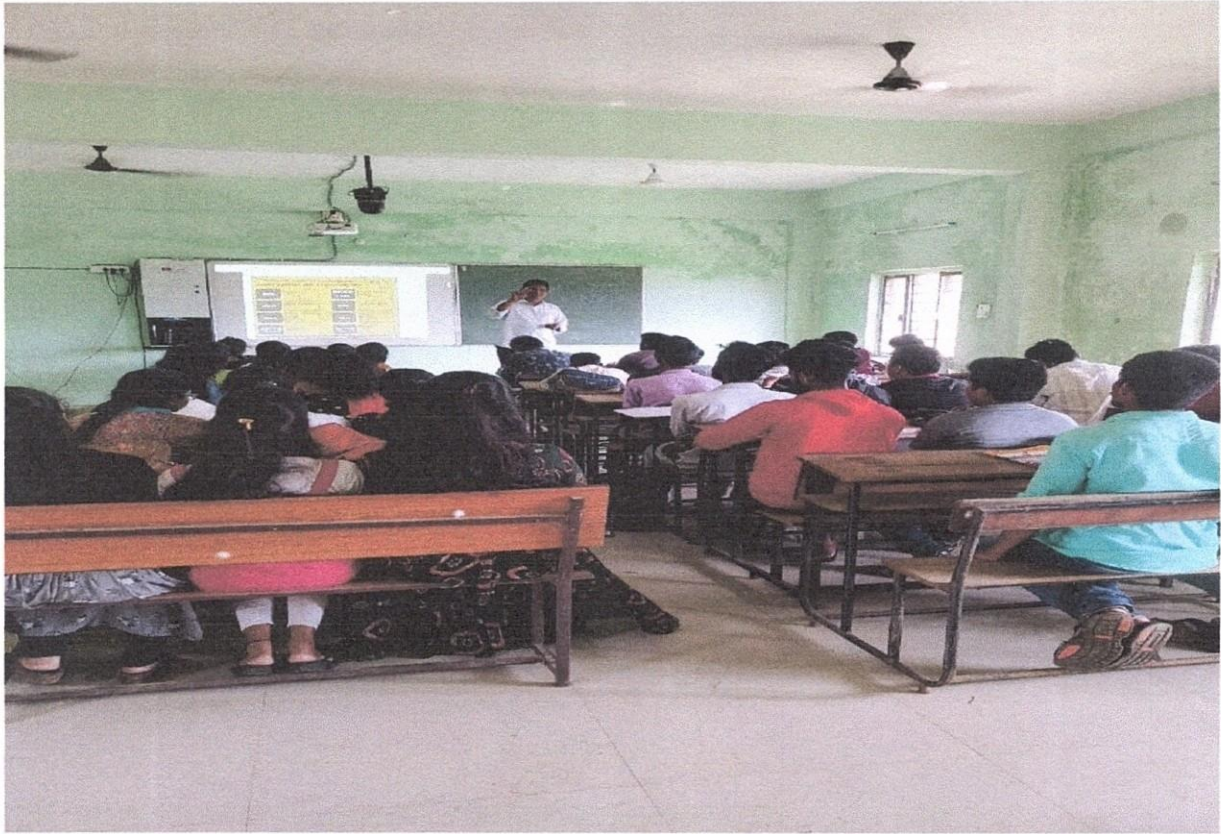
మాట్లాడుతున్న ప్రిన్సిపాల్ ప్రవీణ

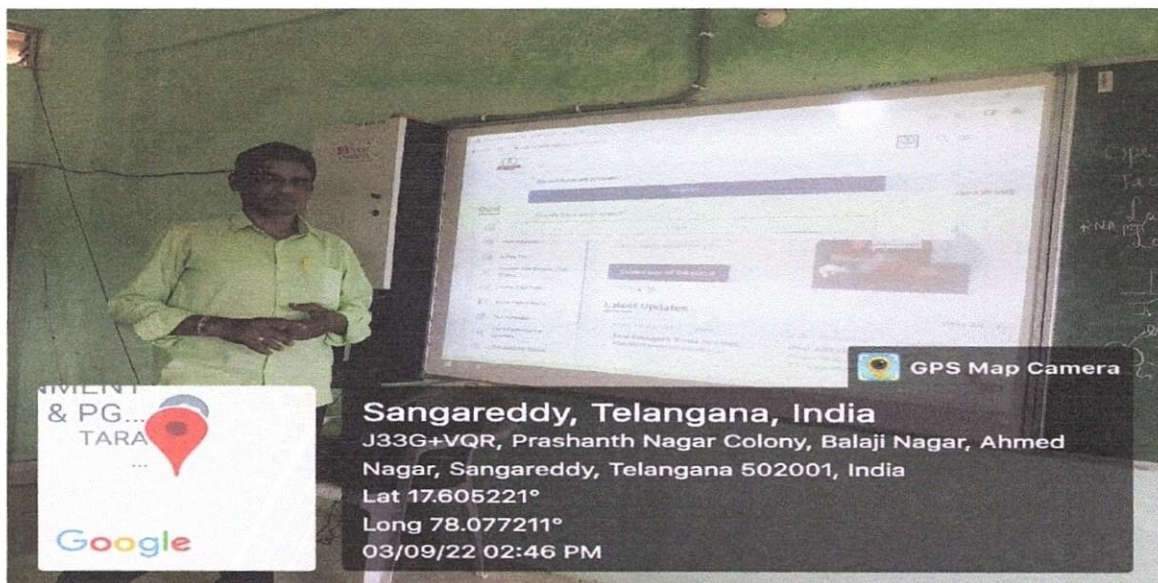
కొండాపూర్(సంగారెడ్డి): సంగారెడ్డిలోని తారా ప్రభుత్వ డిగ్రీ కళాశాలలో ఈ ఫైలింగ్ పై సర్టిఫికేట్ కోర్సును నిర్వహిస్తున్నట్లు ప్రిన్సిపాల్ ప్రవీణ తెలిపారు. మంగళవారం కోర్సు ప్రారంభోత్సవం సందర్భంగా ఆమె మాట్లాడారు. ప్రస్తుత ఎలక్ట్రానిక్ యుగంలో కంప్యూటర్ పరిజ్ఞానం ప్రతి ఒక్కరికి అవసరమన్నారు. దీనిని దృష్టిలో ఉంచుకొని బీకాం, బీబీఏ విద్యార్థులకు వృత్తి నైపుణ్య పెంపులో భాగంగా 30 గంటల ఈ ఫైలింగ్ కోర్సును



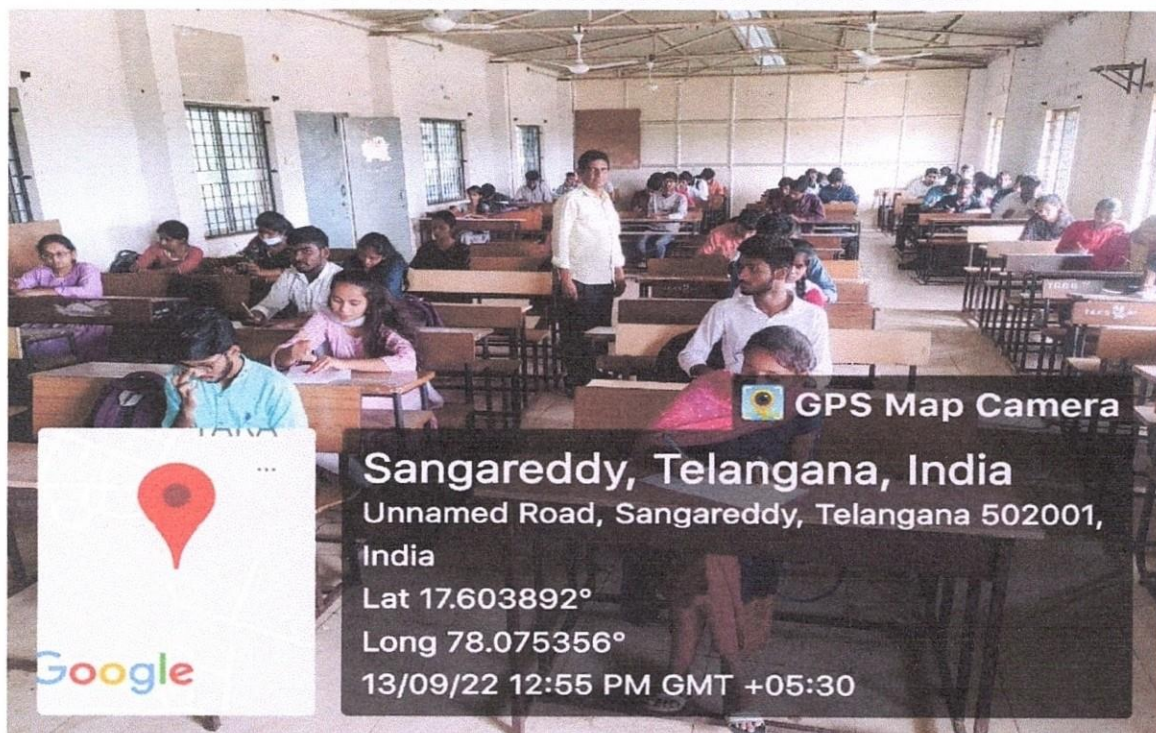
NW
 Department of Commerce
 TARA GOVERNMENT COLLEGE
 SANGAREDDY

Department of Commerce
 TARA GOVERNMENT COLLEGE
 SANGAREDDY





**Total No. of Students written the Assessment Test is 61. The
 Photo of Exam conducted on 13.09.2022**



N. M.
 Department of Examinations
 TARA GOVERNMENT COLLEGE
 SANGAREDDY

[Signature]
 Department of Examinations
 TARA GOVERNMENT COLLEGE
 SANGAREDDY

Permission Letter from the Principal

To
The Principal
Tara Government College(A)
SANGAREDDY

Respected Madam,

Sub: Proposal to conduct Two Week- Certificate course in E-Filing of Income Tax Returns-
Department of Commerce- Req.-Reg.

@ @ @

I, the In charge of Department of Commerce proposing to conduct Two Week Certificate course in E-Filing of Income Tax Returns from 23.08.2022 to 09.09.2022 at Commerce Computer Lab from 04.00 to 05.00 pm for the benefit of the commerce students without charging any fees.

As such I request you madam kindly grant us permission to conduct the certificate course and kindly grace the inaugural session.

Thanking you madam

Yours faithfully

V. Santhosh
HOD
Commerce

Date: 22.08.2022

Ans. Govt.

N. M
Department of Commerce
TARA GOVERNMENT COLLEGE
SANGAREDDY

Department of Commerce
TARA GOVERNMENT COLLEGE
SANGAREDDY



TARA GOVERNMENT COLLEGE (A), SANGAREDDY

(Accredited by NAAC 'B' Grade & An ISO 9001:2015 Certified College, Affiliated to Osmania University)

Department of Commerce

CERTIFICATE COURSE IN E-FILING OF INCOME TAX RETURNS

SYLLABUS OF THE COURSE

1. Basic Concepts of Income Tax	8. Rates of Income Tax
2. Over view of Income from Salary	9. Calculation of Income Tax
3. Over view of Income from House Property	10. E-Filing of Returns
4. Over view of Profits and Gains of Business/Profession	11. Concept of Belated Return
5. Over view of Capital Gains	12. Revised Return
6. Over view of Income from Other Sources	13. Defective Return
7. Deductions from GTI	14. Demonstration of E-filing

ASSESSMENT TEST PATTERN

Total Questions 20 : Total Marks 50

Objective Type Questions-10 Each Carries 2 marks

Fill in the blanks -5 Each Question Carries 2 marks

Short Questions-5 Each Question Carries 4 Marks

Total Marks: 50

Those who got minimum of 40% of the marks will get the Pass Certificate

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TARA GOVERNMENT COLLEGE
SANGAREDDY

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TARA GOVERNMENT COLLEGE
SANGAREDDY

BROCHURE OF THE ONLINE CERTIFICATE COURSE



TARA GOVERNMENT COLLEGE, SANGAREDDY

Department of Commerce

organizing

Certificate Course in E-filing of Income Tax Returns

Inaugural Session on 23.08.2022 at 12.30 pm

Chief Guest: **Smt. M. Praveena, Principal**

Name of the Course

Certificate Course in E-filing of Income Tax Returns

Course Eligibility

- Students pursuing B.Com I/II/III Year or M. Com of any College
- Small scale workers in Internet Centers/DTP/Xerox shops/Online centers
- Any one interested in Taxation/ E-filing

Course Duration

▪ 15 hrs

VENUE

SEMINAR HALL,
Tara Govt. College, Sangareddy

Resource Persons: **N. Shyam Prasad**, Lecturer in Commerce

N. Narahari, Lecturer in Commerce

B. Srinivas, Lecturer in Commerce

COURSE CONTENT

1. Basic Concepts of Income Tax	8. Rates of Income Tax
2. Over view of Income from Salary	9. Calculation of Income Tax
3. Over view of Income from House Property	10. E-Filing of Returns
4. Over view of Profits and Gains of Business/Profession	11. Concept of Belated Return
5. Over view of Capital Gains	12. Revised Return
6. Over view of Income from Other Sources	13. Defective Return
7. Deductions from GTI	14. Demonstration of E-filing

How to Apply

Interested Students Fill the following google form:

https://docs.google.com/forms/d/e/1FAIpQLSd6riB_Rwa-ANT7CH24x-XO9RwrlH9Q70Bdkuzlqnp005pnslA/viewform?usp=pp_url

Course Begins on	23.08.2022
Course Ends by	07.09.2022
Inaugural Session	23.08.2022 at 12.30Pm

For any query, please mail us at –taracommerce22@gmail.com

MODEL QUESTION PAPER OF THE ONLINE CERTIFICATE COURSE

Tara Government College (A), Sangareddy CERTIFICATE COURSE IN EFILING OF INCOME TAX RETURNS Assessment Test

Time: 30 minutes

Date: 13.09.2022

Max. Marks:

50

I. Multiple choice questions

10x2=20

1. What is the basic exemption limit of Income tax ? ()
a) 2,50,000 b) 5,00,000 c) 6,00,000 d) ALL
2. ____Sec allows standard deduction of 50,000 from Salary income()
a) Section 16 (iii) b) Section 16 (ii) c) Section 16 (i) d) ALL
3. What is the maximum deduction under sec 24 (b) ? ()
a) 2,00,000 b) 2,30,000 c) 3,50,000 d) None
4. ____return is suitable for the assessee having business income ()
a) ITR1 b) ITR 2 c) ITR 3 d) None
5. Mr. A sold his house for Rs. 500000, this income is treated as ()
a) Income from house property b) Capital Gain
c) Profits & Gains of business or profession d) None
6. Winning from lotteries Rs. 100000, this income is treated as ()
a) Income from house property b) Capital Gain
c) Income from Other Sources d) None
7. Assessee is a person, who paid/pays _____? ()
a) Tax b) Interest c) Penalty d) ALL
8. Which of the following are Direct Taxes? ()
a) Income Tax b) Professional Tax c) Gift Tax d) ALL
9. Which of the following are Indirect Taxes? ()
a) GST b) Customs duty c) Tax on petrol/gas d) ALL
10. Every year which starts by Apr 1st & ends by next mar 31 is ()
a) Assessment Year b) Previous year c) Financial year d) ALL

II. Fill in the blanks

5x2=10

11. The period of 12 months preceding the Assessment year is

12. Maximum Limit under Section 80 C is
13. Medical Insurance premium is allowed as deduction under section.....
14. Section 80 U belongs to
15. Interest on Education Loan is allowed as deduction u/s

NAME: _____ H.T. NO. _____ COURSE: _____

III. Short Answer Questions

5x4=20

16. Explain the Basic Steps in E-filing.

17. Who are eligible to file ITR 1? Explain.

18. Explain the provisions of Section 80 C of Income Tax Act, 1961.

19. Explain the deductions u/s 24(b).

20. What is Total Income?

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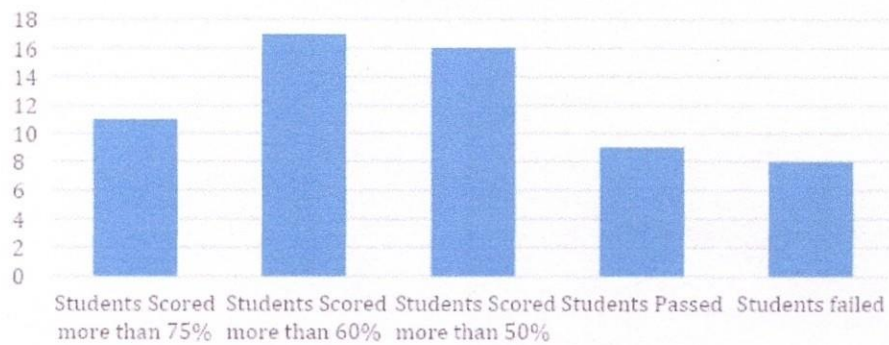
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Certificate Course in E-Filing of Income Tax Returns

RESULT ANALYSIS

Result Analysis	No. of Students
Students Scored more than 75% of marks	11
Students Scored more than 60% of marks	17
Students Scored more than 50% of marks	16
Students Passed	9
Students failed	8
Total	61

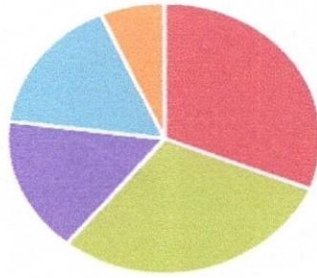
Certificate Course in E-Filing of Income Tax Returns
No. of Students



Certificate Course in E-Filing of Income Tax Returns

Feedback and Satisfaction level of the Students

Satisfaction Scale	No. of Students
Excellent	19
Good	18
Average	10
Poor	10
Very Poor	4
Total	61



■ Satisfaction Scale ■ Excellent ■ Good ■ Average ■ Poor ■ Very Poor

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SANGAREDDY

[Signature]
Department of Commerce
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SANGAREDDY

Ans. E. S. S.

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TARA GOVT COLLEGE
(AUTONOMOUS)
SANGAREDDY-502 001

TARA GOVERNMENT COLLEGE, SANGAREDDY

Department of Commerce

Certificate Course in E-filing of Income Tax Returns

SNo.	Name of the Student	HT No.	Class
1	A. BALRAJ	6058-20-405-001	B. Com CA 3 year
2	B. RAMESH	6058-20-405-003	B. Com V Sem
3	CH. PRAVEEN KUMAR	6058-20-405-069	B. Com V Sem
4	N. ESHWAR	6058-20-405-265	B. Com CA 3 year
5	MOHAMMED MOIZ	6058-20-405-233	B. Com III Sem
6	P.DEVADANAM	6058-20-405-303	B.com(C.A) 2nd year
7	T. ABHISHEKAR REDDY	6058-20-405-344	B.Com Final Year
8	P.MAHESH	6058-20-405-291	B.COM CA
9	N.SHARATH PUTTA	6058-20-405-279	B.COM CA
10	U.NAVEEN KUMAR	6058-20-405-354	B. Com(CA) 2nd
11	B. NITHIN	605821405045	B com CA 2nd year
12	G. AKHILESHWAR	6058-21-405-112	B.com ca 2nd year
13	N. KARTHIK	6058-21-405-270	Bcomca 2nd year
14	G. SHIVA KUMAR	6058-21-405-104	B com ca 2year
15	K.LAXMI KANTH YADAV	6058-20-405-020	BBA
16	CH. VENKAT REDDY	6058-20-405-075	B. Com CA 3 year
17	P.SAKETH	6058-20-405-326	B-com-computers
18	K.SAI KARAN	6058-20-405-187	BCOM LLL year
19	M. NARENDRA	6058-21-405-201	2nd year
20	N. MANISHA	6058-21-405-262	2nd year
21	K. ARCHANA	6058-20-405-178	Bcom (CA), Final
22	R. MANIKANTTA	6058-20-405-342	B. Com. Ca. 3rd year
23	M.VINAYASUDHA	6058-20-405-197	B. COM (CA) 3 rd
24	M. SAKHAR	6058-20-405-223	Degree 3rd year
25	G.RAMYA	6058-20-405-121	B.com(CA), 3rd yr
26	N.NAMITHA	6058-20-405-259	B.com ca 3rd year
27	G.SHIVALILA	605821405111	2ndyear ,B.com
28	V. MALIKA	605821405358	2ndyear,B.com
29	M. KEERTHI	6058-20-405-221	Bcom(CA) 3rd year
30	T.THISHA	6058-20-405-128	B.com(CA) 3rd year
31	M. AKHILA	6058-20-405-203	B.com(CA) 3rd
32	K. RAM SAI PAD	6058-20-405-183	B com ca
33	K. JOSHI	6058-20-405-181	3rd year b.com(ca)
34	K SAI KUMAR	6058-20-405-175	B com (CA)5sem
35	MD. SHADU	6058-20-405-238	3rd year b.Com. (Ca)
36	N. MOIZ PASHA	6058-20-405-273	B com final year
37	N.RAKESH	6058-20-405-276	B.com (CA)
38	MD. SHOEZ KHAN	6058-20-405-218	B.com(CA), 3rd year
39	SYED AKBAR	6058-20-405-333	B.Com (CA) 3rd year
40	MD.SHAKHIL PASHA	6058-20-405-246	B.Com(CA)3rd year
41	MD. SHOAIB	6058.21.405.248	B.com.c.a
42	MD.KHADHEER	6058-20-405-242	3rd year b.com ca
43	N. BHARATH	6058-20-405-281	B com
44	N. SRIHARI	6058-21-405-285	B.COM(CA)
45	M. SAI RAM	6058-21-405-220	B.com 2nd year
46	T. SRIGIRIBABU	605821405-397	2nd year
47	K. MANIKANTTA	6058-21-405-174	B.com (C.A) 2 nd
48	B. SWATHIKA	6058-21-405-047	Bcom cA
49	A. ANNAPURNA	6058_21_405_004	B.com 2year
50	CH.KISHAN	6058-21-405-002	B com (ca) 2nd yr
51	G. ANJALI	6058-21-405-120	B.Com 2nd year
52	K.PAVANKUMAR	6058-20-405-155	3rd year
53	M.PAVITHRA	6058-21_405-198	2year
54	P.SUPRITHA	605821405281	2nd year
55	G.PAVANI	6058-21-405-114	B.com(CA)
56	K. BHAVANI	6058-21-405-153	B.COM(CA)2nd year
57	SRINIVAS	6058-21-405-111	B.Com Final Year
58	T. ARCHANA	6058-21-405-351	B com (CA)comp
59	R. MAMATHA	6058- 21-405- 309	B com cA
60	K. SAI KUMAR	6058_21_405_125	Bcom(CA)2nd Year
61.	K. Prudvi kumar	6058-21-405-108	B.Com Final Year

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TARA GOVERNMENT COLLEGE
SANGAREDDY



TARA GOVERNMENT COLLEGE (A), SANGA REDDY DEPARTMENT OF COMMERCE

Online Certificate Course in Basic Accounting

From 13.03.2022



Department of Commerce, Tara Government College, Sangareddy launched an Online Certificate Course in Basic Accounting for the benefit of the students, who have been admitted into B.Com Course from the Arts and Science streams of Intermediate course. It is a bridge course totally available online with 18 ppt video lessons, having around 9 hours of audio, visual presentations of basics of accounting.

Eligibility:

- Every student who admitted into B.Com Course from the Science and Arts streams of Inter & +2 Courses
- Everyone who wants to take their Accounting Skills to the next level whether a beginner or a professional who wants to brush-up their rusty knowledge of accounting.

Objectives of the Course:

- To make the learners understand the basics and fundamental concepts of Financial Accounting
- To gain knowledge of various Financial Statements and understand how transactions affect the running business.

Outcomes of the Course:

- The Students will be able to understand the fundamentals of basic accounting and will be able to read, understand and prepare financial statements

How to Complete the Course:

- First Watch the YouTube Videos of Four Modules given below
- Write the Notes for every PPT given in the YouTube Videos
- Answer the Assessment Test through the Online Assessment link given in the next page
- If you secure 40% of the Marks in the assessment you will get a Pass Certificate
- Your Name & College other particulars should be given correctly to get the certificate without errors
- There is No Fee for this course, Entire Course work is provided **FREE OF COST** by the Department of Commerce, Tara Government College, SRD

Coordinator of the Course:	N. Shyam Prasad, Faculty of Commerce, <i>Department of Commerce, Tara Govt. College,</i> <i>Sangareddy</i>
Convenor of the Course:	V. Santhoshi, HoD, & Assistant Professor, <i>Department of Commerce, Tara Govt. College,</i> <i>Sangareddy</i>

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YOUTUBE VIDEO LESSONS

Module I Introduction

1. Definition History, Adv Lim. Of accounting
<https://youtu.be/8qcdGGOzAo8>
2. GAAPs Principles Concepts Conventions
<https://youtu.be/3WaLxgtHbCE>
3. Types Rules of Accounts
<https://youtu.be/OS36ZP70Sv8>
4. Golden rules of Accounting
<https://youtu.be/vziFUcMmZHM>
5. Easy of Learning Journal Entries
<https://youtu.be/IAp7xwJehvw>
6. Common Errors in Journalizing
<https://youtu.be/44bl2V47HAo>

Module -II Subsidiary books

7. Problems & Solutions in Journalizing-1
<https://youtu.be/q9ke2wgxgKc>
8. Problems & Solutions in Journalizing-2
https://youtu.be/r_rJotdZdIo
9. Journal-Ledger-Trail Balance at Once
<https://youtu.be/RXk-wPPAl1Y>
10. Purchase Book Sales Book Return Books
<https://youtu.be/BEK0YpMwhWk>
11. CASH BOOKS Single Double Triple Petty
<https://youtu.be/8fFzK8tFznA>

Module -III Rectification of Errors

12. Rectification of Errors
<https://youtu.be/y24-hkhkngA>
13. Rectification of Errors-2
<https://youtu.be/cCD3eYcg4yo>

Module- IV Final Accounts

14. Trading a/c :
<https://youtu.be/4gi4ffzdhmM>
15. Profit & Loss a/c
<https://youtu.be/W9gwNzFyPCc>
16. Balance Sheet :
https://youtu.be/udhT7m_9OwQ
17. Adjustments :
https://youtu.be/d_c-e4mRwe4
18. Balance Sheet :
<https://youtu.be/wNEHbgwcbuY>



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8. Problems & Solutions in Journalizing-2
https://youtu.be/r_rJotdZdIo

9. Journal-Ledger-Trail Balance at Once
<https://youtu.be/RXk-wPPAl1Y>

10. Purchase Book Sales Book Return Books
<https://youtu.be/BEK0YpMwhWk>

11. CASH BOOKS Single Double Triple Petty
<https://youtu.be/8fFzK8tFznA>

Module -III Rectification of Errors

12. Rectification of Errors
<https://youtu.be/y24-hkhkngA>

13. Rectification of Errors-2
<https://youtu.be/cCD3eYcg4yo>

Module- IV Final Accounts

14. Trading a/c :
<https://youtu.be/4gi4ffzdhmM>

15. Profit & Loss a/c
<https://youtu.be/W9gwNzFyPCc>

16. Balance Sheet :
https://youtu.be/udhT7m_9OwQ

17. Adjustments :
https://youtu.be/d_c-e4mRwe4

18. Balance Sheet :
<https://youtu.be/wNEHbgwcbuY>



TARA GOVERNMENT COLLEGE (A), SANGAREDDY
(Accredited by NAAC 'B' Grade & An ISO 9001:2015 Certified College, Affiliated to Osmania University)
Department of Commerce
ONLINE CERTIFICATE COURSE IN BASIC ACCOUNTING

SYLLABUS OF THE COURSE

1. Definition, Advantages & Limitations of Accounting	10. Subsidiary Books
2. GAAPs, Principles, Concepts & Conventions	11. Cash Books
3. Types & Rules of Accounting	12. Rectification of Errors-1
4. Golden Rules of Accounting	13. Rectification of Errors-2
5. Easy way of Learning Journal Entries	14. Trading account
6. Common Errors in Journalising	15. Profit & Loss account
7. Problems & Solutions in Journalizing-1	16. Balance Sheet
8. Problems & Solutions in Journalizing-2	17. Final Accounts-Adjustments
9. Journal Ledger & Trial Balance at Once	18. Final Accounts- Adjustments2

ASSESSMENT TEST PATTERN

Total Questions: 20 Objective Type Questions

Each Question Carries 2 marks

Total Marks: 100

Below Google Form Link Attached to the Broacher of the Course

ONLINE ASSESSMENT LINK

https://docs.google.com/forms/d/e/1FAIpQLSeaXJDjVRTz-1GovyEAcVPzNVs_qZhRUiNaquKC58UWDWEkyaw/viewform?usp=sf_link

Students after Watching the PPT VIDEO LESSONS, They can take the Assessment Test.

Those who got minimum of 40% of the marks will get the certificate instantly

N. M. S.

V. Sathish

ONLINE ASSESSMENT LINK

https://docs.google.com/forms/d/e/1FAIpQLSeaXJDjVRTz-1GovyEAcVPzNVs-qZhRUiNaquKC58UWDWEkyaw/viewform?usp=sf_link

BROCHURE OF THE ONLINE CERTIFICATE COURSE



TARA GOVERNMENT COLLEGE (A), SANGA REDDY
DEPARTMENT OF COMMERCE
Offering A Bridge Course

Online Certificate Course in Basic Accounting



Eligibility:

- Every student who have been admitted into B.Com Course from the Science and Arts streams of Inter & +2 Courses
- Everyone who wants to take their Accounting Skills to the next level whether a beginner or a professional who wants to brush-up their rusty knowledge of accounting.

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- To make the learners understand the basics and fundamental concepts of Financial Accounting
- To gain knowledge of various Financial Statements and understand how transactions affect the running business.

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- Answer the Assessment Test through the Online Assessment link given in the next page
- If you secure 40% of the Marks in the assessment you will get a Pass Certificate
- Your Name & College other particulars should be given correctly to get the certificate without errors
- There is No Fee for this course, Entire Course work is provided **FREE OF COST** by the Department of Commerce, Tara Government College, SRD

Syllabus, YouTube Video Lessons & Online

Assessment Link Of the Course Work:

Online Certificate Course in Basic Accounting



YOUTUBE VIDEO LESSONS

Module I Introduction

1. Definition History, Adv Lim. Of accounting
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2. GAAPs Principles Concepts Conventions
<https://youtu.be/3WdLxgHbCE>
3. Types Rules of Accounts
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4. Golden rules of Accounting
<https://youtu.be/vziFUcMmZHM>
5. Easy of Learning Journal Entries
<https://youtu.be/TAp7xwJehyw>
6. Common Errors in Journalizing
<https://youtu.be/44b12V47HAo>

Module -II Journal & Subsidiary books

7. Problems & Solutions in Journalizing-1
<https://youtu.be/q9ke2wgxgKc>
8. Problems & Solutions in Journalizing-2
https://youtu.be/r_rlotdZdIo
9. Journal-Ledger-Trail Balance at Once
<https://youtu.be/RXK-wPPA1IY>
10. Purchase Book Sales Book Return Books
<https://youtu.be/BEK0YpMwhWk>
11. CASH BOOKS Single Double Triple Petty
<https://youtu.be/8fFzK8tFznA>

Module -III Rectification of Errors

12. Rectification of Errors
<https://youtu.be/y24-hkhhkngA>
13. Rectification of Errors-2
<https://youtu.be/cCD3eYcg4yo>

Module- IV Final Accounts

14. Trading a/c :
<https://youtu.be/4gi4ffzdhmM>
15. Profit & Loss a/c
<https://youtu.be/W9gwNzFvPCc>
16. Balance Sheet :
https://youtu.be/udhT7m_9OwQ
17. Adjustments :
https://youtu.be/d_c-dmRwe4
18. Balance Sheet :
<https://youtu.be/wNEHbwcbyY>

ONLINE ASSESSMENT LINK

https://docs.google.com/forms/d/e/1FAIpQLSeaXJDjVRTz-1GovyEAcVPzNVs-qZhRUiNaquKC58UWDWEkyaw/viewform?usp=sf_link

For any Enquiry: Please free to Contact

Coordinator of the Course:	N. Shyam Prasad, Faculty of Commerce, Department of Commerce, Tara Govt. College Sangareddy
Convenor of the Course:	V. Santhoshi, HoD, & Assistant Professor, Department of Commerce, Tara Govt. College Sangareddy

e-mail: taracommerce22@gmail.com

MODEL CERTIFICATE OF THE ONLINE CERTIFICATE COURSE

**TARA GOVERNMENT COLLEGE (A) SANGAREDDY**
DEPARTMENT OF COMMERCE
Online Certificate Course in Basic Accounting

This is to certify that **{{full name}}** **{{other identifier}}** of **{{other identifier2}}** has successfully passed Online Certificate Course in Basic Accounting organized by the Department Commerce, Tara Government College (A), Sangareddy, Telangana State on **{{date}}** with **{{percent}}** of Marks and Certificate id is **{{certificate id}}**


N. Shyam Prasad
Co-ordinator


V. Santhoshi
Convenor

shutterstock

IMAGE ID: 704023753

MODEL QUESTION PAPER OF THE ONLINE CERTIFICATE COURSE

14:2747%

s.google.com

CERTIFICATE COURSE IN BASIC ACCC

QuestionsResponses 6Se Total points: 100

Total Questions 50**Marks 100**

1. The art of recording classifying and summarising the business transactions in a significant manner is called as _____

BIU↔✕

☐ Commerce

☐ Accounting

☐ Finance

☐ Costing

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SANGAREDDY

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SANGAREDDY

MODEL CERTIFICATE OF THE ONLINE CERTIFICATE COURSE

**TARA GOVERNMENT COLLEGE (A) SANGAREDDY**
DEPARTMENT OF COMMERCE
Online Certificate Course in Basic Accounting

This is to certify that **{{full name}}** **{{other identifier}}** of **{{other identifier2}}** has successfully passed Online Certificate Course in Basic Accounting organized by the Department Commerce, Tara Government College (A), Sangareddy, Telangana State on **{{date}}** with **{{percent}}** of Marks and Certificate id is **{{certificate id}}**


N. Shyam Prasad
Co-ordinator


V. Santhoshi
Convenor

shutterstock

IMAGE ID: 704023753

MODEL QUESTION PAPER OF THE ONLINE CERTIFICATE COURSE

14:2747%

google.com

CERTIFICATE COURSE IN BASIC ACCC

QuestionsResponses 6Se Total points: 100

Total Questions 50
Marks 100

1. The art of recording classifying and summarising the business transactions in a significant manner is called as _____

BIU↔✕

☐ Commerce

☐ Accounting

☐ Finance

☐ Costing

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Department of Commerce
TARA GOVERNMENT COLLEGE

Department of Commerce
TARA GOVERNMENT COLLEGE

TARA GOVERNMENT COLLEGE (A), SANGAREDDY

(Accredited by NAAC 'B' Grade & An ISO 9001:2015 Certified College, Affiliated to Osmania University)

Department of Commerce

ONLINE CERTIFICATE COURSE IN BASIC ACCOUNTING

List of Participants

Sl.No.	Name of the Participant	Class	College/Place
1	Yerolla Srinivas	B com III	Tara government college sangareddy
2	B Srinivas	lecturer in commerce	Tara Givt college Sangareddy
3	Santhoshi	<u>M.com</u>	Hyderabad
4	R.Rajesh Kumar	Lecturer	Tara Government Degree College Sangareddy
5	N.Akash	Lecturer	Tara degree collge
6	P.SAWANYA	Lecturer	Tara Government Degree College
7	SRI VARDHAN	BBA 2nd year	TARA GOVERNMENT DEGREE COLLEGE, SANGAREDDY
8	V.Vamshi	2Year BBA	Sangareddy tara college
9	V.Nithini	BBA	Tara degree andPG government college (A)
10	PISHAVARI DINESH	BBA	Tara government college
11	Jarsingi Kalpana	BBA 2nd yr	Tara Government Degree College , Sangareddy
12	Lakshmi Kanth Yadav	BBA 3rd	Tara degree government college
13	Manne Vijay Kanth	bba 3rd year	TARA GOVERNMENT DEGREE AND PG COLLEGE, SANGAREDDY
14	Balaji	BBA	Tara degree college
15	Gaddameedhi Naresh	BBA 3rd year	Tara degree govt (A) college sangareddy
16	K.srinivas	BBA 2nd year	Tara government degree and pg college, sangareddy
17	B.Swathika	B.com CA	Tara Government Degree College A Sangareddy
18	T.srigiribabu	B.com 2nd year	Tara degree college/Sangareddy
19	K.Manikanta	B.com. CA 2nd year	Tara government degree College (A) sangareddy
20	P.G. ANILKUMAR	Degree B.com CA	TARA GOVT DEGREE COLLEGE
21	Md sabil	2years	Prashant nagar
22	B shiva Kumar	BBA	Tara degree and pg govt college, Sangareddy
23	N.Anil Kumar	Bcom.CA 2nd Year	Tara Government Degree Collage (A) Sangareddy
24	BEERELLI SHIVA SHANKAR	B. COM (CA) FINAL YEAR	TARA GOVT DEGREE COLLEGE (A) SANGAREDDY
25	Jonnada Sangameshwar Reddy	Degree	Vashista Degree College
26	Arya	B.com(c.a)	Tara govt degree college
27	N.Bharath	B.com (C.A)	Tara govt PG & Degree College Sangareddy
28	PEDDAGOLLA ANILKUMAR	B.COM CA	TARA GOVT DEGREE COLLEGE SANGAREDDY
29	E.Pravalika	BBA	Tara Degree and PG College Sangareddy
30	M sai ram	BBA	Tara government college
31	SRI VARDHAN	BBA	Tara government college, Sangareddy
32	M SAI RAM	BBA	Tara government college
33	V Vamshi	BBA	Sangareddy
34	Santosh . K	BBA 2	Tara degree college

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TARA GOVERNMENT COLLEGE
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Department of Commerce
TARA GOVERNMENT COLLEGE
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TARA GOVT.COLLEGE – SANGAREDDY

(Autonomous)

Accredited with “B” Grade by NAAC

ISO 9001:2015 certified



**CERTIFICATE COURSE
On
Tourism**

Department of History

Tara Government College (A)

Sangareddy

CERTIFICATE COURSE

The department of History introduce Tourism Certificate Course for final year students for the academic year 2017-18. 20 students enrolled their names for this course.



AIM OF THE COURSE:

- To provide employment opportunities in the field of Tourism.

Course	Elective
Module (Units)	Tourism in Telangana
Semester in which the course is to be taught	Semester V
No. of Credits	02
No. of Contact hours	2 hours /week

OBJECTIVES:

1. To enable students to explore employment opportunities in the field of Tourism.
2. To enable students through self finance.
3. To enable students to enter into the field of Tourism industry.
4. To enable students to understand & know the prominent Tourist/historical place in Telangana

CHOICE BASED CREDIT SYSTEM DEPARTMENT OF HISTORY DETAIL SYLLABUS OF ELECTIVE

SUBJECT: HISTORY

CREDITS: 02

UNIT I: Introduction: Tourism Industry.

UNIT II: Historical prominence of Telangana.

UNIT III: Tourist/ Historical places in Telangana.

UNIT IV: Viability of Tourism in Telangana

UNIT V: Opportunities in Tourism.

References:

- *Indian Tourism: Beyond the Millennium Handcover* -2000 by M.P.Bezbaruah.
- *Telangana _ A Culinary Journey* - Supriya Sehgel.
- *Information Hand book on Telangana Tourism* – Department of Touris

SCHEME OF EXAMINATION

Exam : 40

Assignments/Seminar/Project : 10 marks

BLUR PRINT of QUESTION PAPERS

INTERNAL EXAMINATION

10 Marks

1. Assignment
2. Participate in Group Discussion-Topic will be provided.
3. Interviews
4. Giving a seminar
5. Quiz

EXTERNAL EXAMINATION

Answer the Four of the following question.

1. Write a note on Tourism Industry.
2. What are silent feature of Telangana Tourism.
3. What are the prominent historical places in Telangana.
4. What are the points involved in the employment of Tourism.
5. Elucidate self employment in Tourism industry.
6. Describe, in your own words, about Tourist places in Hyderabad.

List of Students

Sl.no	Hall ticket No.	Name of the Students
1	1601605832017	T.Soumya
2	16016058129021	Salma Begum
3	16016058129003	B.Sateesh
4	16016058129013	J.Naveen
5	16016058129543	p.Swarnalatha
6	16016058129542	P.Anitha
7	16016058129508	B.Laxmi
8	16016058129515	Ch.Ningonda
9	16016058129539	P.Manikyam

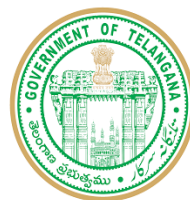
10	16016058129514	L.Keerthi
11	16016058129546	P.Vijaykumar
12	16016058258007	R>Suman Nayak
13	16016058260512	K.Shirisha
14	16016058260520	V.Suresh
15	16016058260507	D.Chandrashekar
16	16016058129527	MD Areef
17	16016058468108	V.Anusha
18	16016058128512	H.Baswaraj
19	16016058129006	Ch.Rakesh
20	16016058129511	B.Amrutha



Academic Council Meeting

TARA GOVERNMENT COLLEGE SANGAREDDY

(AUTONOMOUS)

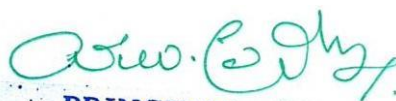


List of Certificate Courses

Following is the list of certificate courses submitted to the academic council for favour of approval.

S.No	Name of the certificate course	Department	Remarks
1	Functional English	English	
2	Employability skills	English	
3	Telugu Typing for DTP and Entrepreneurship	Telugu	
4	Functional Hindi and Translation	Hindi	
5	Eco conservation	Economics	
6	Human Rights	Political Science	
7	Tourism Development in Telangana State	History	
8	Tax Planning	Commerce	
9	Stock Marketing	Commerce	
10	Mehandi Design	Botany	
11	Bio Fertilizers- Vermi composting technology	Zoology	
12	Bio informatics	Microbiology	
13	Abstract Painting	Bio-Technology	
14	Jute bag making	Bio-Technology	
15	Vedic Maths	Mathematics	
16	Mobile Handset repair Technology	Physics	
17	Analytical Techniques in Organic synthesis	Chemistry	
18	Data Analysis	Statistics	
19	M.S Office and Internet concepts	Computer Science and Applications	
20	Computer Skills	Computer Science and Applications	
21	Computer Hardware & Networking	Computer Science and Applications	
22	Multimedia- Photoshop	Computer Science and Applications	
23	Certificate course in library science	Library and information sciences	

24	GST	Commerce	
25	Women Studies	Women Empowerment Cell (WEC)	
26	Short & Documentary Film Making	TARA Film Club	
27	Certificate course in Dappu	Dept. of Economics and NSS	


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