



# **GOVERNMENT DEGREE COLLEGE FOR MEN**

**Srikakulam - 532001, Andhra Pradesh, India**

**Ph : 08942 222383, Email : [srikakulam.jkc@gmail.com](mailto:srikakulam.jkc@gmail.com), Website : [www.gcmsklm.ac.in](http://www.gcmsklm.ac.in)**



## **CERTIFICATE COURSES**

**INTERNAL QUALITY ASSURANCE CELL**

## **PREFACE**

The Government Degree College for Men, Srikakulam, has consistently demonstrated an unwavering commitment to quality enhancement and academic excellence. Over the years, the institution has emerged as a centre of holistic education, focusing on skill development, value addition, and the all-round development of its students. The college's innovative initiatives, including a wide array of certificate courses spanning STEM, humanities, health, and skill-based disciplines, are designed to meet the ever-evolving needs of students, fostering employability, social responsibility, and intellectual growth. Through the dedicated efforts of its faculty and administration, the college has established itself as a beacon of higher education, offering impactful programs and fostering an ecosystem that values quality sustenance and improvement.

This document encapsulates the breadth and depth of efforts undertaken by the institution to bridge the gap between academia and industry while promoting cultural heritage, interdisciplinary learning, and global competence. It reflects the college's steadfast mission to nurture well-rounded individuals equipped to navigate the challenges of a dynamic world.

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## **ABSTRACT**

<b>S.No</b>	<b>Academic Year</b>	<b>No. of Certificate courses offered</b>	<b>No. of Students Benefitted</b>
1	2018-19	04	169
2	2019-20	03	130
3	2020-21	07	307
4	2021-22	09	450
5	2022-23	16	656

## LIST OF CERTIFICATE COURSES / VALUE ADDED PROGRAMS OFFERED DURING LAST FIVE YEARS

Name of the Certificate Course / Value added programs offered.	Department	Duration of course	Number of students Benefitted	Skills Enhanced
<b>2018-2019</b>				
Certificate Course on Telugu Mandalikalu	Telugu	30 Hrs	50	Proficiency in Language Vocabulary and grammar. Expression & Dialect Understanding And also Promotion of Indian Knowledge System.
Statistical Mechanics	Physics	30 Hrs	50	Understand the concepts of Problem Solving, Thermodynamic Concepts, Quantum Mechanics, Phase transitions & Research Methodology
Drinking Water Analysis	Chemistry	30 Hrs	20	Understanding Water Quality Testing, PH measurement, Chemical Analysis & Water Treatment Techniques.
Business Communication Skills	Commerce	30 Hrs	49	Understanding the Effective Communication, Interpersonal & presentation Skills and also Team Collaboration, Time Management & Problem-Solving Techniques.
<b>2019-2020</b>				
Sericulture	Zoology	30hrs	50	Understanding Sericulture by knowing Silk Production technique, Mulberry Cultivation, Pest and Disease management & Environmental Awareness.
Graphs: Solving Equations with Graphical Method	Mathematics	30hrs	30	Graphical Intrepretation, Mathematical Visualisation, Problem Solving & Critical Thinking
Basic Computer Applications	Commerce	30hrs	50	Basic Computer Literacy, MS Office Proficiency, Documentation & Email and Internet Usage.

2020-2021				
Shrimp Farming & Its Health Management	Bio Technology	30hrs	18	Acquiring Knowledge on Sustainable AquaCulture and Shrimp farming Practices.
Chemical Lab Techniques	Chemistry	30hrs	23	Acquiring knowledge on Lab Instrumentation, Chemical handling, Techinques of Titration, Separation & Preparation of Soltions.
Graphical Equations Analysis	Mathematics	30hrs	26	Acquiring knowledge in graphical representations, Statistical Analysis, Applications of Graphical representation
Vemana Sahityam- Jeevitha Charithra	Telugu	30hrs	100	Poetic Analysis of Vemana, Ethical Reasoning in Vemana Poetry and his biography. Promotion of Indian Knowledge System.
Servicing of Refrigerator and Washing Machine	Physics	30hrs	30	Understanding Basic Principle and components, circuits in Refrigerator and washing Machine. Ability to handling equipment, identintifying problems and troubleshooting. Learning to handling refrigerants and regular maintanace and replacing parts etc...
Goods and Services Tax (GST)	Economics	30hrs	20	Understanding GST concept its structure (CGST & SGST). Registration, Laws & regulations, Tax Calculation, GST returns filing, Audits & Assesments etc..
Certificate Course on Life Skills	JKC	30hrs	90	Gains knowledge on Self Awareness, Effective Communication, Goal Setting, Time Management, Decission Making , Leadership.
2021-2022				
Principles & Applications of PCR & Real Time PCR in Diagnostics	Bio Technology	30hrs	30	Understanding Basic concepts of PCR (Types of PCR & rDNA technology). Moecular Technique like nueclic acid extraction and conventional and real time PCR. Good Laboratory practices.

Health & Hygiene	Zoology	30hrs	30	To Know the Hygienic Practices in day to day life. To understand the Contagious diseases and causative agents and preventive measures. Apply the Knowledge during pandemic conditions quarantine guidelines and social responsibilities
Mushroom Cultivation	Botany	30hrs	30	Acquiring Knowledge on Classification on fungi mainly focusing on mushroom. Gains knowledge on Practical Mushroom cultivation and Harvesting techniques, and also sustainable Mushroom cultivation practices and their ecological benefits, and techniques of harvesting and storing them properly to maintain freshness and quality of mushrooms.
Certificate Course on Hindi Visharad	Hindi	30hrs	23	Students will gain proficiency in Hindi Language, Cultural Awareness, Promotion of Indian Knowledge System. Career Opportunities with growing of hindi in Government, Media, Teaching and Corporate Sectors.
Pharmaceutical Analytical Chemistry	Chemistry	30hrs	46	Understanding various Analytical techniques used in pharmaceutical industries for production, drug analysis and quality control. Practical application on theoretical concepts. Career Guidance in Pharma industries, Research labs and Quality control departments.
Solutions of the Linear & Non-Linear Equations with Graphical Methods	Mathematics	30hrs	60	Acquiring knowledge in graphical representations, Statistical Analysis, Applications of Graphical representation
Journalism	Telugu	30hrs	50	Acquires foundational knowledge in Journalism, and Ethics and principles of journalism and its effective Role in Society. Gathering and Collecting information researchs. Content

				Creating Skills Etc..
Servicing of Air Conditioner and Microwave Oven	Physics	30hrs	30	Understanding the Heat Transfer Concepts and Refrigeration cycles (VCR, VAR & HVAC) Working Principle of AC and Microwave oven. Basic parts and circuits of AC & Microwave Oven. Ability to identify most common issue occur in AC & Oven and troubleshoot effectively. Skill Repairing faulty components in appliances. Understanding impact of refrigerants on environment and practicing Eco-Friendly Techniques.
Certificate Course in Personality Development	JKC	30hrs	151	Improving Self Confidence, Communication Skills and Body Language, Self Presentation professionally in interviews, Leadership qualities, Time and Stress management techniques.
<b>2022-2023</b>				
Uttarandhara Varasatwa Sampada-Samskruthi	Telugu	30hrs	30	Understanding and traditions of Uttharandhra and Festivals and ritual practices in uttharandra. Understanding Historical significance of Uttharandra and its contribution to Telugu Culture. Study of Monuments, Inscriptions and Historical Texts of Uttharandra. Promotion of Rich Cultural Heritage of Uttharandra and promotion of Indian Knowledge System.
Tax Consultancy	Economics	30hrs	30	Understanding Taxation framework (Direct & Indirect Tax). Awareness on latest Tax laws. Tax filing Skills, Career opportunities in tax consultancy, Accounts and Finance.
Competitive English	English	30hrs	52	Proficiency in English language, enhanced Vocabulary, verbal and writing abilities.
Introduction To Indian Geography	Geography	30hrs	19	Comprehensive knowledge of the physical,



				political and economic geography of india. Understanding major Geographical features, including rivers, mountains, Climate zones and Biodiversity.
Cross Cutting Issues In Disease Diagnosis	Bio Technology	30hrs	40	Understanding Various Diseases and their underlying biological mechanisms. Understands Various modern diagnostic techniques (PCR, ELISA & Sequencing) used in BioTechnology. Applying the knowledge to Real-world scenarios in disease diagnosis and management.
Medicinal Plants & Their Importance	Botany	30hrs	30	Understanding Various Medicinal plants, their properties and applications. Awareness on the importance of conserving medicinal plant species and their habitats.
Chemical Lab Techniques	Chemistry	30hrs	25	Acquiring knowledge on Lab Instrumentation, Chemical handling, Techniques of Titration, Separation & Preparation of Solutions.
Mathematical Foundations for Computer Science	Computer Science	30hrs	25	Understanding Mathematical concepts and their applications in Computer sciences, Algorithm development & Quantitative Analysis.
Functional Sanskrit	Sanskrit	30hrs	31	Understanding Sanskrit language, grammar and vocabulary. Promotion of Indian heritage and culture through the study of classical texts and traditions, and promoting Indian Knowledge System.
Entrepreneurship Opportunities In Vermiculture	Zoology	30hrs	35	To know the Benefits of Vermicompost and Marketing skills of vermicompost. To understand cultivation of vermicompost beds and compost separation. Apply the Knowledge in real life to establish a new vermicompost industry and maintain profit and loss accounts.
Hindi Praveena	Hindi	30hrs	24	Students will gain proficiency in Hindi

				Language, Cultural Awareness, Promotion of Indian Knowledge System. Career Opportunities with growing of hindi in Government, Media, Teaching and Corporate Sectors.
MS Office &Tally	Commerce	30hrs	50	Proficiency in MS Office ( Word, Excel, Powerpoint, outlook), Proficiency in Tally: Accounting, Inventory Management, Financial Reporting.
Solutions of the Linear Equations with Graphical Methods	Mathematics	30hrs	52	Acquiring knowledge in graphical representations, Statistical Analysis, Applications of Graphical representation
Cross Cutting Issues in Nuclear Energy	Physics	30hrs	30	Understanding Nuclear Energy, its importance and its potential role in Sustainable Development. Fundamental Principles of Nuclear Physics (Fission & Fusion), nuclear Reactors. Waste Management, Environmental hazards.
Buddhist Sites in Andhra Pradesh	History	30hrs	32	Acquires knowledge on Historical Awareness, Traditions and teachings of Buddhism, Various Buddhist sites present in Andhrapradesh and their Architectures. Promotion Cultural heritage and Indian Knowledge System.
Emotional Intelligence & Self Regulation	JKC	30hrs	151	Understands Emotional awareness, Self Regulation, Decision Making, Stress Management, Team Coordination, Leadership.

## Enhancing Quality of Certificate Courses

### 1. Broad Spectrum of Courses Covered

Certificate courses at Government Degree College for Men, Srikakulam, are designed with a comprehensive approach to cater to the diverse academic, cultural, and professional needs of students. These courses emphasize enhancing knowledge, building skills, and fostering holistic development among learners. By offering a wide spectrum of programs across STEM, humanities, skill development, and environment-related themes, the institution aims to bridge the gap between academic learning and industry requirements.

With a steadfast commitment to quality, these certificate courses are structured to achieve multiple objectives:

### 2. Skill Enhancement:

Programs like Basic Computer Applications and Goods and Services Tax (GST) provide hands-on training, equipping students with practical skills essential for professional success.

### 3. Cultural and Heritage Preservation:

Courses such as Telugu Mandalikalu and Uttarandhra Varasatwa Sampada-Samskruthi focus on promoting the Indian Knowledge System and regional heritage.

### 4. Industry Alignment:

Advanced courses like Pharmaceutical Analytical Chemistry and Principles & Applications of PCR in Diagnostics align with cutting-edge industry practices, preparing students for emerging career opportunities.

### 5. Sustainability Awareness:

Environment-centric courses such as Mushroom Cultivation and Shrimp Farming & Its Health Management encourage eco-friendly practices and sustainable living.

### 6. Holistic Development:

Life skills and personality development programs aim at improving confidence, communication, and leadership qualities, empowering students to excel in both personal and professional spheres.

The institution's dynamic curriculum fosters innovation, critical thinking, and adaptability, ensuring students are well-prepared to meet the challenges of a rapidly evolving world. Through these certificate courses, Government Degree College for

Men, Srikakulam, continues to uphold its vision of delivering quality education while nurturing well-rounded individuals.

- Certificate Courses evolved from **basic to advanced, cross-cutting**, and **Multidisciplinary** areas.
- Diverse Subjects Including:
  - I. **STEM**
  - II. **HUMANITIES & CULTURE**
  - III. **SKILL-BASED**
  - IV. **HEALTH & ENVIRONMENT**
  - V. **MULTIDISCIPLINARY (CROSSCUTTING ISSUES)**
  - VI. **ADVANCED LEARNING & INDUSTRIAL ALIGNMENT**

## **STEM CERTIFICATE COURSES: Driving Technological Excellence**



The STEM certificate courses offered by Government Degree College for Men, Srikakulam, provide students with a robust foundation in science, technology, engineering, and mathematics. These courses, including Statistical Mechanics, Chemical Lab Techniques, Shrimp Farming, and Nuclear Energy, equip learners with cutting-edge technical skills and scientific knowledge. By blending theoretical understanding with practical applications, the courses are tailored to foster problem-solving abilities, critical thinking, and innovation, enabling students to stay competitive in a technology-driven world.

### **1. Chemical Lab Techniques**



## 2. Statistical Mechanics

### CERTIFICATE COURSE BROCHURE: 2018-19



**GOVERNMENT DEGREE COLLEGE (MEN)**  
ACCREDITED BY NAAC WITH B++ (CGPA 2.90)  
Srikakulam - 532001, Andhra Pradesh, India  
ph: 08942 222363 e-mail: info@gdcmakm.ac.in website: https://www.gdcmakm.ac.in

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#### Statistical Mechanics

Offered by  
**Department of Physics, Govt. Degree College for Men, Srikakulam**

**About the Course:** A certificate course in statistical mechanics for B.Sc students would typically cover fundamental concepts and techniques in statistical mechanics, which is a branch of physics and chemistry that uses probability theory to study the behaviour of large collections of particles. This course would provide B.Sc students with a solid foundation in statistical mechanics, preparing them for further study or applications in physics, chemistry, materials science, and related fields.

**Number of Credits:** Nil **Mode of Teaching:** Offline

**Course Contents:** The course covers basic probability theory, classical and quantum statistical mechanics, thermodynamics, phase transitions, and advanced topics like fluctuations. It includes applications and hands-on components, preparing students for real-world problem-solving. Assessment is through regular evaluations and possibly a project.

**References:** 1. "Statistical Mechanics: A Set of Lectures" by Richard P. Feynman.  
2. "Statistical Mechanics: A Set of Lectures" by Narayan R. Khusnood.

**Eligibility Criteria:** B.sc final year Mathematical Science students only. **Fee Structure:** NIL

**Important Dates**

- ❖ Registration start date : 03.12.2018
- ❖ Last date for registration : 11.12.2018
- ❖ Commencement of classes : 12.12.2018
- ❖ Last class work : 24.01.2019
- ❖ Date of final examination : 25.01.2019

**Paper Code: GCMPHY01**

**Admission Procedure:** Interested participants can complete the registration process through the following registration forms for the above course is available at the department of Physics. Admission process for this course is on first-come-first-serve basis and the last date for registration to the courses 11.12.2018.

**Class Duration:** Classes will be held for 30 hours starting from 12.12.2018. Every week classes will be held on Monday to Friday (except for the national holidays/festivals). Final examination will be conducted on 25.01.2019. The class timings will be 4.30–5.30 hours IST (except for the day of the final examination).

**Assessment:** Assessment will be based on completion of assignments and performance in the test conducted at the end of the course. The participant must obtain at least 50% in the test to avail the course completion certificate.

**Course Coordinator**  
Sri Kuna Srinivasa rao,  
Lecturer in Physics,  
Department of Physics



### 3. Shrimp Farming

## Broacher



**UGC-NSQF**  
Certificate Courses



Offered by

**GOVERNMENT DEGREE COLLEGE (MEN)-SRIKAKULAM**

**About the UGC NSQF Certificate Courses:** Skills and knowledge are the driving forces of economic growth and social development for any country. Presently, the country faces a demand – supply mismatch, as the economy needs more 'skilled' workforce than that is available. In the higher education sphere, knowledge and skills are required for diverse forms of employment in the sectors of education, health care, manufacturing and other services. In view of this the UGC (University Grants Commission) in association with NSQF (National Skill Qualification Framework) offering skill based certificate courses to the universities and colleges of the all over India to enhance industry demand skills to the students.

**About the College:** The Government Degree College (Men)-Srikakulam is the first and foremost college in the north coastal Andhra Pradesh and it was established in 1951. At present it is offering – 24 UG courses and 02 PG courses.


#### **INTRODUCTION:**

Government of India, taking note of the requirement for skill development among students, launched National Vocational Education Qualification Framework (NVEQF) which was later on assimilated into National Skills Qualifications Framework (NSQF). Various Sector Skill Councils (SSCs) are developing Qualification Packs (QPs), National Occupational Standards (NOSs) and assessment mechanisms in their respective domains, in alignment with the needs of the industry.


In view of this, the UGC implemented the scheme of Community Colleges from 2013- 14 in pilot mode on the initiative of the MHRD. Thereafter, realizing the importance and the necessity for developing skills among students, and creating work ready manpower on large scale, the Commission decided to implement the

#### 4. Cross Cutting Issues in Nuclear Energy

### CERTIFICATE COURSE BROCHURE 2022-23



**GOVERNMENT DEGREE COLLEGE (MEN)**  
**ACCREDITED BY NAAC WITH B++ (CGPA 2.90)**  
Srikakulam - 532001, Andhra Pradesh, India  
ph: 08942 222383 e-mail: info@gdcmskim.ac.in website: https://www.gdcmskim.ac.in



### Cross-cutting issues in Nuclear Energy

**Offered by**

### Department of Physics, Govt. Degree College (Men), Srikakulam

**About the Course:** Cross-cutting issues in nuclear energy encompass various challenges that transcend specific aspects of the industry. Safety remains paramount, addressing both operational and accidental risks. Proliferation resistance involves preventing the spread of nuclear weapons technology. Efficient waste management is critical for handling radioactive byproducts responsibly. Additionally, public perception, regulatory frameworks, and international cooperation are vital factors. Economic considerations, such as the cost of construction and decommissioning, further influence the industry's viability. Tackling these multidimensional challenges requires a comprehensive and interdisciplinary approach to ensure the continued development and safe deployment of nuclear energy for meeting global energy needs while minimizing environmental and security risks.

**Number of Credits:** Nil **Mode of Teaching:** Offline

**Course Contents:** Overview of Nuclear Energy, Importance of Cross-Cutting Issues, Regulatory Framework, Ethics in Nuclear Energy, Environmental Impact Assessment (EIA), Nuclear Energy and Climate Change, Nuclear Security, Social and Economic Aspects, Advanced Nuclear Technologies, Future Trends and Challenges.

**References:** 1. Nuclear Power: A Reference Handbook by **Harry Henderson**.  
2. Nuclear Energy Policy: A Reference Handbook **Earl Kruschke**.

**Eligibility Criteria:** **B.sc final year Mathematical Science students only.** **Fee Structure:** NIL

**Important Dates**

- ❖ Registration start date: 02 /01/2023
- ❖ Last date for registration: 10/01/2023
- ❖ Commencement of classes: 20/01/2023
- ❖ Last class work : 25/02/2023
- ❖ Date of final examination : 25/02/2023

**Paper Code: GCMPHY02**

**Admission Procedure:** Interested participants can complete the registration process through the following registration forms for the above course is available at the department of Physics. Admission process for this course is on first-come-first-serve basis and the last date for registration to the courses 10/01/2023 (Tuesday).

**Class Duration:** Classes will be held for 30 hours starting from 20/01/2023 (Thursday). Every week classes will be held on Monday to Friday (except for the national holidays/festivals). Final examination will be conducted on 25/02/2023 (Saturday). The class timings will be 4.30 – 5.30 hours IST (except for the day of the final examination).

**Assessment:** Assessment will be based on completion of assignments and performance in the test conducted at the end of the course. The participant must obtain at least 50% in the test to avail the course completion certificate.

**Course Coordinator**  
Mr. Mohanarao Barri,  
Lecturer in Physics,  
Department of Physics



## HUMANITIES & CULTURE CERTIFICATE COURSES: Preserving Heritage and Promoting Knowledge

The humanities and culture certificate courses are curated to deepen students' appreciation for history, language, and regional heritage. Programs like Journalism, Buddhist Sites in Andhra Pradesh, and Functional Sanskrit highlight the rich cultural and historical legacy of the region and the nation. These courses aim to nurture critical analysis, creative expression, and an understanding of socio-cultural dynamics, empowering students to contribute to cultural preservation and knowledge dissemination.

### 1. Journalism

**GOVERNMENT DEGREE COLLEGE (MEN), SRIKAKULAM**

**DEPARTMENT OF TELUGU**



**2021 -2022**



**CERTIFICATE COURSE ON**

**“JOURNALISM”**

**(18-04-2022 to 25-06-2022)**



**Course Coordinator**  
**Dr. DILLESWARA RAO.S**

2. Buddhist Sites in Andhra Pradesh

13

Government Degree college (MEN)  
Srikakulam  
Department of History and Tourism

certificate course on

THE BUDDIST SITES IN A.P  
2022-2023

Duration of the course - 30 Days  
course Fee : Nil

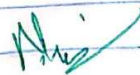
~~Eligibility~~ Eligibility for Exam : 55%

Grade certificates will be issued to the students based on their performance.

course coordinator : Dr. N. Chinna Rao  
lect in History

Resource persons : 1. Dr. N. Chinna Rao.

2. Smt U. Prathishtha.



3. Functional Sanskrit

**BROUCHER**

**Government Degree College (M), Srikakulam**

**DEPARTMENT OF SANSKRIT**



**CERTIFICATE COURSE ON  
Indian Knowledge System (IKS)**

**“FUNCTIONAL SANSKRIT”**

**(15-03-2023 to 25-04-2023)**

**Dr. O. RAMA RAO  
Resource Person**

## **SKILL-BASED CERTIFICATE COURSES: Building Employability and Professional Growth**

Focusing on employability and industry relevance, the skill-based certificate courses emphasize hands-on training and professional development. With offerings such as Business Communication, MS Office & Tally, and Personality Development, these programs are designed to enhance students' communication skills, technical competencies, and confidence. By addressing real-world needs, the courses prepare students to excel in diverse professional environments, making them job-ready and adaptable.

### **1. Business Communication Skills**

The poster is for a certificate course in Business Communication Skills. It features a dark blue background with a red gradient. At the top, the college name 'Govt. Degree College (Men), Srikakulam' is written in white. Below it is a circular logo with a sun and Telugu text. A yellow banner reads 'Department of Commerce'. A light blue box shows '2018-2019'. A dashed box contains 'Certificate Course On'. A red banner with white text says 'BUSINESS COMMUNICATION SKILLS'. Below that, the dates '(17-12-2018 to 20-02-2019)' are in white. At the bottom, the course coordinator 'Sri. L. KRISHNA RAO' is listed in white.

**Govt. Degree College (Men),  
Srikakulam**



**Department of Commerce**

**2018-2019**

Certificate Course On

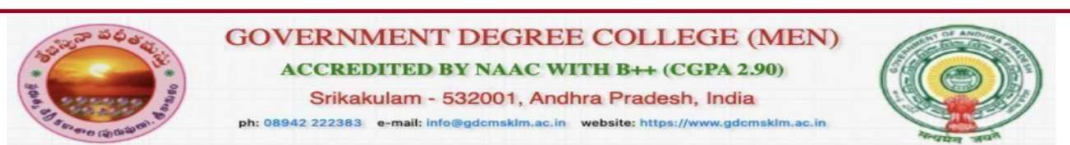
**BUSINESS COMMUNICATION SKILLS**

**(17-12-2018 to 20-02-2019)**

**Course Coordinator  
Sri. L. KRISHNA RAO**



## 2. M.S Office & Tally



### **CERTIFICATE COURSE BROCHURE 2022-23**

**MS Office & Tally**

**Offered by**

**Department of Commerce, Govt. Degree College (Men),  
Srikakulam**

#### **About the Course:**

1. To know how to use the most common Microsoft Office programs.
2. To able to create documents for printing and sharing.
3. To able to Manage store data in a spread sheet.
4. Inculcate employable skills among the students.

**Number of Credits:** Nil

**Mode of Teaching:** Offline

#### **Course Contents:**

1. MS-Word
2. MS-Excel
3. MS-Power point
4. MS-Access
5. Tally 7.2

**Eligibility Criteria:** B.Com Final year students only.

**Fee Structure:** NIL

#### **Important Dates**

Registration start date:	04/03/2023
Last date for registration:	10/03/2023
Commencement of classes:	21/03/2023
Last class work:	20/06/2023
Date of final examination:	21/06/2023

### 3. Personality Development



**Government Degree College (M), Srikakulam**  
**Jawahar Knowledge Centre**  
Certification Course on Personality Development



# Certificate Course

In

## Personality Development

**Course Duration (30 Days)**  
**09-03-2022 to 20-04-2022**

**Inauguration by**  
**Dr. P. Surekha, Principal**

**Course Coordinator**  
**Dr. D. PYDITALLI**  
**Nodal JKC Coordinator**

## HEALTH & ENVIRONMENT CERTIFICATE COURSES: Fostering Sustainability and Well-Being

The health and environment certificate courses reflect the institution's commitment to promoting sustainable living and health awareness. Programs like Health & Hygiene, Medicinal Plants, and Mushroom Cultivation emphasize eco-friendly practices, holistic well-being, and sustainable resource management. These courses empower students to engage in environmental conservation efforts and adopt healthier lifestyles while exploring entrepreneurial opportunities in eco-conscious fields.

### 1. Health & Hygiene

## GOVT. DEGREE COLLEGE MEN SRIKAKULAM DEPARTMENT OF ZOOLOGY

\*\*\*

Certificate course name: Health and Hygiene

Year: 2021-22

No of students: 30

Course Duration: 30days

23/08/2021 to 30/09/2021

Course Instructors: 1. Lt. Dr. Y PoliNaidu – In charge of Department of Zoology

2. Smt. V Harathi - Lecturer In Zoology

3. Sr. S Ravi Babu – Lecturer In Zoology

#### OUT COMES OF THE COURSE:

1. To know the Health -Education and various health indicators
2. To Know the various Health schemes implemented by Govt. of India
3. Awareness on the Disaster management and responsiveness of public in pandemic and epidemic diseases
4. To understand the Personal, Community, Medical and Culinary Hygiene
5. Assess the impact of policies on health and hygiene Health measures to consider while travelling
6. Awareness in public through digital media viz., mobile apps.

#### Syllabus:

##### Unit-I:

1. Health - Determinants of health, Key Health Indicators, Environment health & Public health; Health-Education: Principles and Strategies
2. Women & Child Health Care Schemes: Reproductive, Maternal, Newborn, Child and Adolescent Health (RMNCH+); JananiShishuSurakshaKaryakaram (JSSK); RashtriyaBalSwasthyaKaryakram(RBSK); India Newborn Action Plan (INAP); AdolescentHealth- RashtriyaKishorSwasthyaKaryakram (RKSK)
3. Disaster Management – Containment, Control and Prevention of Epidemics and Pandemics – Acts, Guidelines and Role of Government and Public.

##### Unit-II:

1. Hygiene – Definition; Personal, Community, Medical and Culinary hygiene; WASH (WATER, Sanitation and Hygiene) programme
2. Community & Personal Hygiene: Environmental Sanitation and Sanitation in Public places
3. Public Awareness through Digital Media - An Introduction to Mobile Apps of Government of India: NHP, Swasth Bharat, No More Tension, PradhanMantriSurakshitMantritvaAbhiyan (PM SumanYojana), My Hospital (Meraasptaal), India fights Dengue, JSK Helpline, AyushmanBhava, ArogyaSetu, Covid 19APP

2. Medicinal Plants

**GOVERNMENT DEGREE COLLEGE (M), SRIKAKULAM**  
**DEPARTMENT OF BOTANY**  
**BROCHURE (2022-2023)**  
**CERTIFICATE COURSE ON**  
**“MEDICINAL PLANTS & THEIR IMPORTANCE”**  
**DURATION – 30 DAYS**

**OBJECTIVES :-**

1. Enable the students to learn about the Medicinal plants.
2. Enable the students to develop skills in preparation of herbal medicines.
3. To learn about the Nutritional & Medicinal values of surrounding plants.
4. To learn about the storage & Recipes of Herbal Medicines.

**SYLLABUS :-**

1. Introduction & Morphology of medicinally useful parts of plants.
2. Explanation of Medical terminology of diseases.
3. Medicinal properties of some surrounding important plants.
4. Nutritional values of some important plants.

**Reference Books :-**

1. "CHARAKA SAMHITA" BY R.VIDYANATH
2. "RASOUSHADA VIGNANAM" BY DR. ACHANTA LAKSHMIPATHI
3. "DHANWANTARI" BY HARISH JOHARI

**Instructions to the Candidates :-**

1. Duration of Course - 30 Days
2. Course Fee – Free
3. 90% of attendance is compulsory for the completion of course.
4. Certificates will be issued to the candidates based on their performance.

**Course Co-ordinator:- Dr. P. Ramarao**

**Resource persons :-**

1. Dr. P. Ramarao
2. D. Ravindra
3. Dr. R. Prameela
4. G. Ramakrishna Rao



3. Mushroom Cultivation

**GOVERNMENT DEGREE COLLEGE FOR MEN, SRIKAKULAM**  
**DEPARTMENT OF BOTANY**  
**BROCHURE (2021-2022)**  
**CERTIFICATE COURSE**  
**ON**  
**MUSHROOM CULTIVATION**

**Academic year – 2021-22**

**No of Students – 30**

**Instructions to the Candidates:-**

1. Duration of Course -30 Days
2. Course Fee – Free
3. 90% of attendance is compulsory for the completion of course.
4. Certificates will be issued to the candidates based on their performance.

**Course Coordinator :- Dr.P.Ramarao ( In-charge, Dept of Botany)**

**Resource persons:- 1. Dr. P. Ramarao**

**2. D. Ravindra**

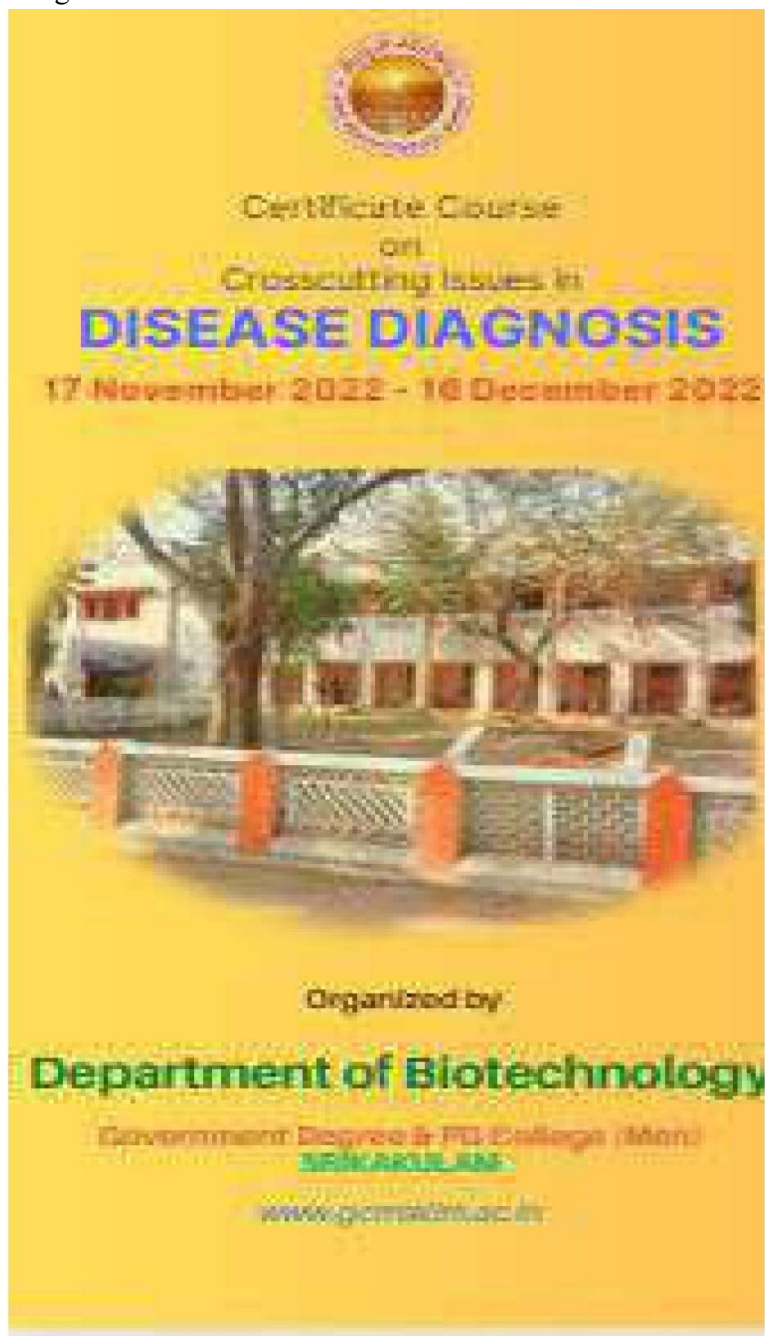
**3. Dr. R. Pameela**

**4. G. Ramakrishna Rao**

## MULTIDISCIPLINARY CERTIFICATE COURSES: Integrating Cross-Cutting Issues

The certificate courses under the multidisciplinary focus at Government Degree College for Men, Srikakulam, are designed to bridge the gaps between diverse academic disciplines and provide students with a comprehensive learning experience. These courses emphasize real-world applications of knowledge by integrating cross-cutting issues that resonate with contemporary global challenges.

### 1. Disease Diagnosis



## 2. Vermiculture Entrepreneurship



**Department of Zoology  
Government Degree College (Men)-Srikakulam**

Capt. Dr. Y Polinaidu  
Incharge, Department of Zoology

\*\*\*\*\*

**Dt. 22/03/2023**

### **CIRCULAR**

**Ref: Resolution dated on 20/03/2023 for Conduction of Certificate Course on  
“Entrepreneurship Opportunities in Vermiculture”  
during 03/04/2023 to 06/05/2023**



\*\*\*\*\*

The Department of Zoology and Department of Commerce and management coolaboratively going to conduct a Certificate course for the Final year students for the academic year 2022-23 on “Entrepreneurship Opportunities in Vermiculture” during 03/04/2023 to 06/05/2023 to enhance the to enhance the technical skills and employability opportunities in the outgoing students. For that all the final year Zoology students registered for the course at the Zoology department on or before 31/03/2023. There is no registration fee and all the successful students will get certificate.

Signature of the Incharge  
Capt. Dr. Y Polinaidu

### 3. Sustainable Development in Nuclear Energy

## CERTIFICATE COURSE BROCHURE 2022-23



**GOVERNMENT DEGREE COLLEGE (MEN)**  
**ACCREDITED BY NAAC WITH B++ (CGPA 2.90)**  
Srikakulam - 532001, Andhra Pradesh, India  
ph: 08942 222383 e-mail: [info@gdcmsklm.ac.in](mailto:info@gdcmsklm.ac.in) website: <https://www.gdcmsklm.ac.in>

### Cross-cutting issues in Nuclear Energy

**Offered by**

#### Department of Physics, Govt. Degree College (Men), Srikakulam

**About the Course:** Cross-cutting issues in nuclear energy encompass various challenges that transcend specific aspects of the industry. Safety remains paramount, addressing both operational and accidental risks. Proliferation resistance involves preventing the spread of nuclear weapons technology. Efficient waste management is critical for handling radioactive byproducts responsibly. Additionally, public perception, regulatory frameworks, and international cooperation are vital factors. Economic considerations, such as the cost of construction and decommissioning, further influence the industry's viability. Tackling these multidimensional challenges requires a comprehensive and interdisciplinary approach to ensure the continued development and safe deployment of nuclear energy for meeting global energy needs while minimizing environmental and security risks.

**Number of Credits:** Nil **Mode of Teaching:** Offline

**Course Contents:** Overview of Nuclear Energy, Importance of Cross-Cutting Issues, Regulatory Framework, Ethics in Nuclear Energy, Environmental Impact Assessment (EIA), Nuclear Energy and Climate Change, Nuclear Security, Social and Economic Aspects, Advanced Nuclear Technologies, Future Trends and Challenges.

**References:** 1. Nuclear Power: A Reference Handbook by **Harry Henderson**.  
2. Nuclear Energy Policy: A Reference Handbook **Earl Kruschke**.

**Eligibility Criteria:** B.sc final year Mathematical Science students only. **Fee Structure:** NIL

**Important Dates**

- ❖ Registration start date: 02/01/2023
- ❖ Last date for registration: 10/01/2023
- ❖ Commencement of classes: 20/01/2023
- ❖ Last class work : 25/02/2023
- ❖ Date of final examination : 25/02/2023

**Paper Code: GCMPHY02**

**Admission Procedure:** Interested participants can complete the registration process through the following registration forms for the above course is available at the department of Physics. Admission process for this course is on first-come-first-serve basis and the last date for registration to the courses 10/01/2023 (Tuesday).

**Class Duration:** Classes will be held for 30 hours starting from 20/01/2023 (Thursday). Every week classes will be held on Monday to Friday (except for the national holidays/festivals). Final examination will be conducted on 25/02/2023 (Saturday). The class timings will be 4.30 – 5.30 hours IST (except for the day of the final examination).

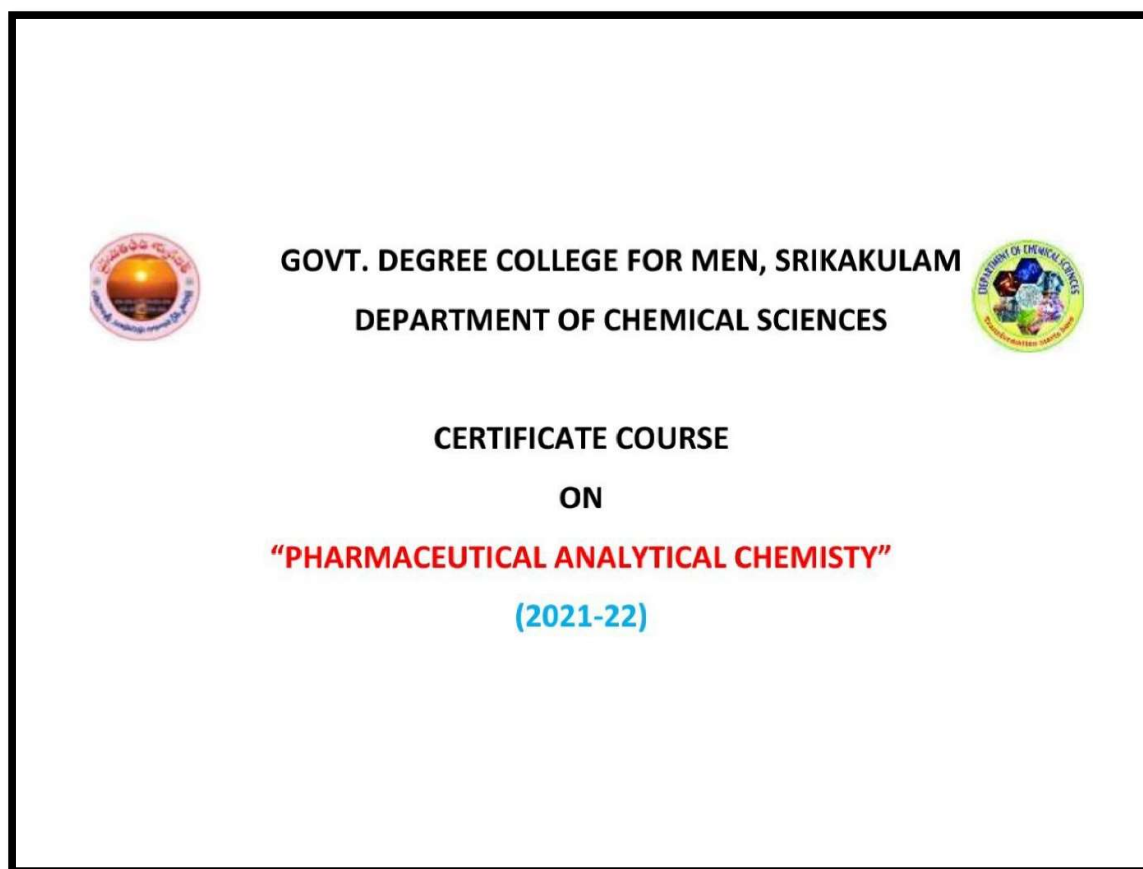
**Assessment:** Assessment will be based on completion of assignments and performance in the test conducted at the end of the course. The participant must obtain at least 50% in the test to avail the course completion certificate.

**Course Coordinator**  
Mr. Mohanarao Barri,  
Lecturer in Physics,  
Department of Physics

## **ADVANCED LEARNING & INDUSTRY ALIGNMENT CERTIFICATE COURSES: Bridging Education with Modern Industry Needs**

The Government Degree College for Men, Srikakulam, is committed to providing its students with advanced, industry-aligned educational opportunities. By integrating cutting-edge topics and fostering collaborations with industry partners, the college ensures that students are equipped with the skills and knowledge necessary to excel in rapidly evolving professional landscapes. These initiatives reflect the institution's dedication to fostering employability and creating future-ready graduates.

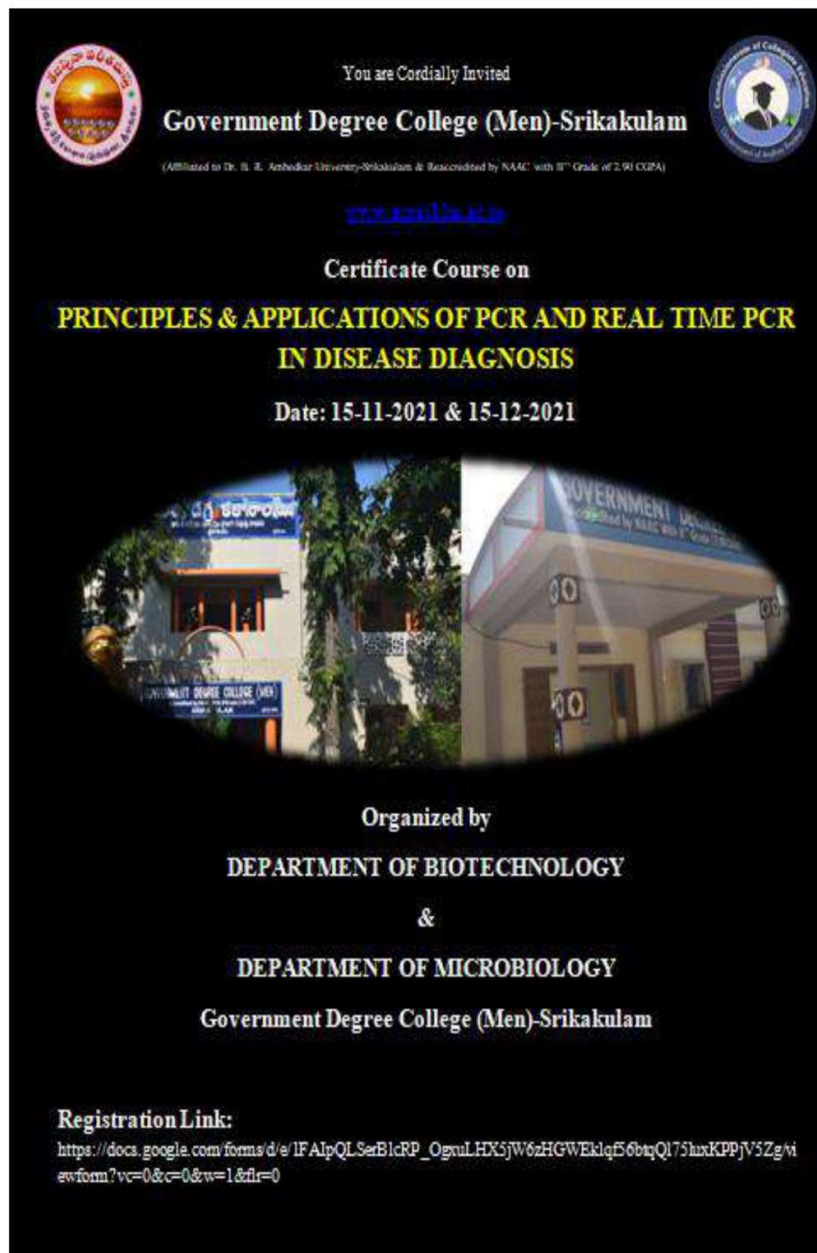
### **1. Pharmaceutical Analytical Chemistry**





## 2. PCR in Diagnostics

### Broacher



The brochure is for a certificate course on PCR and Real Time PCR in Disease Diagnosis. It features the college's logo on the top left and a circular emblem on the top right. The text is centered and includes the college name, affiliation, and accreditation details. The course title is in bold yellow letters. Below it, the dates of the course are listed. A central image shows the college building. The organizers are the Department of Biotechnology and the Department of Microbiology. A registration link is provided at the bottom.

You are Cordially Invited

**Government Degree College (Men)-Srikakulam**

(Affiliated to Dr. B. R. Ambedkar University-Srikakulam & Reaccredited by NAAC with B<sup>+</sup> Grade of 2.90 CGPA)

[www.gdcl.ac.in](http://www.gdcl.ac.in)

Certificate Course on

**PRINCIPLES & APPLICATIONS OF PCR AND REAL TIME PCR  
IN DISEASE DIAGNOSIS**

Date: 15-11-2021 & 15-12-2021

Organized by

**DEPARTMENT OF BIOTECHNOLOGY**

&

**DEPARTMENT OF MICROBIOLOGY**

**Government Degree College (Men)-Srikakulam**

**Registration Link:**

[https://docs.google.com/forms/d/e/1FAIpQLSerB1cRP\\_OgruLHX5jW6zHGWEklqF56btqQl75hxtKPPjV5Zg/viiewform?vc=0&c=0&w=1&ftr=0](https://docs.google.com/forms/d/e/1FAIpQLSerB1cRP_OgruLHX5jW6zHGWEklqF56btqQl75hxtKPPjV5Zg/viiewform?vc=0&c=0&w=1&ftr=0)

3. Goods and Service Tax (GST)

**GOVERNMENT DEGREE COLLEGE (MEN)**

**SRIKAKULAM**



**2020**

*Department of Economics*

**Certificate Course on GST**

#### 4. TAX Consultancy



## GOVT. DEGREE COLLEGE (MEN), SRIKAKULAM DEPARTMENT OF ECONOMICS



Certificate On

### **TAX CONSULTANCY**

2022-23

Name of Department/ Cell	DEPARTMENT OF ECONOMICS
Name of Event Organized	TAX CONSULTANCY
Title of the Event	TAX CONSULTANCY
Date of Event Organized	01-04-2023 to 06-05-2023
Name of the coordinator of the Event	Sri Ch. Ramamurty
No. of Participant (Student +Staff)	30
Name of the Expert with designation	D SURESH Tax Consultant
Contact number & Address of the Expert	6301353804
Objective of the Event	Understand Basic concepts of the Tax Consultancy. To create interest among the students to pursue higher education
Description of the event	Department Of Economics of Government Degree College (M), Srikakulam. Conducted a Certification Course For the Final Year Students On Tax Consultancy. Understand various terms and concepts of Taxation Draws critical formulas, diagrams and graphs Enhance the Knowledge of Functioning of Taxation Enhance the behavioral changes among the students .Critically examines using of the data and figures
Outcome of the Event	The Event Successfully Conducted With 30 Students. All the Students Utilized Well.

Event Coordinator

IQAC Coordinator

PRINCIPAL  
Govt. Degree College (Men)  
SRIKAKULAM

Principal



## **CONCLUSION**

The comprehensive initiatives and courses detailed in this report underscore the Government Degree College for Men, Srikakulam's relentless pursuit of academic and institutional excellence. By addressing contemporary challenges and aligning its programs with global, national, and local priorities, the college continues to empower its students with knowledge, skills, and values that are both market-relevant and culturally significant.

The institution's commitment to quality sustenance and improvement is evident in its innovative pedagogy, strategic collaborations, and student-centric approach. These efforts not only prepare students for professional success but also instill in them a deep sense of civic responsibility and cultural pride. Moving forward, the college remains steadfast in its mission to elevate its standards and serve as a model for quality education, fostering leaders who contribute meaningfully to society.