

COLLEGE

# MAGAZINE

2025-26

Principal: **Dr.P.Chandra Sekhar**

Editor in Chief: **Sri R.Rama Rao**

## ABOUT THE COLLEGE



Sri Gurajada Appa Rao Government Degree College was established in 1987 by the Government of Andhra Pradesh and named after the social reformer and poet Sri Gurajada Appa Rao. It attained autonomous status in 2024-25 for 10 years. Initially offering two courses, the college expanded over the years to include five UG and three PG programs. It introduced four-year honors degree programs in 2023-24 as per NEP 2020.

Affiliated with Andhra University, the college has a student strength of 719 in 2024-25, with over 90% female students and 60% from SC/ST/OBC and economically weaker sections. The faculty comprises 16 regular and 7 guest lecturers.

Spread over 6.27 acres, the campus includes a playground developed by the Sports Authority of Andhra Pradesh, a gymnasium, 12 classrooms, 4 science labs, a JKC lab, and a well-stocked library with 10,683 books and an e-corner. A Dr. B.R. Ambedkar Open University Study Centre operates on campus, and new classrooms for M.Sc. (Organic Chemistry) are under construction.

The college was accredited with an "A" Grade (CGPA – 3.13) in NAAC Cycle-3 (2023), highlighting its commitment to academic excellence and student development.

### College Vision

To be the leading learning institution in the region by providing quality higher education to the students and empower them with knowledge and skills to succeed in life

### College Mission

- Improving educational programme, technological resources and student support services to serve the students by teaching them problem solving, leadership, teamwork skills, ethical behaviour and respect for each other.
- Foster commitment of stakeholders to social development.
- Offer quality education that meets the needs of students
- Conduct various programmes to enhance the employability skills and career potential of students.

**Principal:** Dr.P.Chandra Sekhar

**Editor in Chief:** Sri V.A.Satyanarayana,  
Vice-Principal

**Magazine Committee:**

Sri P.S.Jagga Rao, Academic Coordinator  
Sri K.Venkanna, IQAC Coordinator  
Dr.K.Vijaya Lakshmi, Lect. in Botany  
Dr.V Chittibabu, Lect. in Commerce  
Dr.B.Venkata Ramana, Lect. in Economics  
Dr.A.Arjuna Apparao, Lect. in Zoology  
Sri Ch.Vijaya Kumar, Lect. in Mathematics

## Editorial

*It is with great pride and enthusiasm that we present this edition of the Sri Gurajada Appa Rao Government Degree College Magazine. This magazine serves as a reflection of our institution's academic excellence, cultural vibrancy, and the unwavering dedication of our students and faculty.*

*Our college, named after the visionary poet and reformer Sri Gurajada Appa Rao, has always stood as a beacon of knowledge and social transformation. With our recent attainment of autonomous status and the introduction of four-year honors degree programs under the New Education Policy (NEP) 2020, we continue to evolve and adapt to the ever-changing educational landscape.*

*This academic year has been filled with remarkable achievements. Our students have excelled in academics, cultural activities, and sports, showcasing their talents on various platforms. The faculty has been instrumental in guiding and mentoring students, fostering an environment that nurtures both intellectual and personal growth. The NAAC "A" Grade accreditation (CGPA – 3.13) stands as a testament to our commitment to quality education.*

*Through this magazine, we celebrate the hard work, creativity, and dedication of our students and staff. You will find insightful articles, creative expressions, success stories, and glimpses of the numerous activities and initiatives that make our institution a dynamic learning hub.*

*As we step into the future with renewed energy, let us uphold the ideals of Sri Gurajada Appa Rao—education that empowers, inspires, and transforms. We extend our heartfelt gratitude to the entire college community for their contributions to this magazine.*

**Sri R.Rama Rao**  
Editor in Chief

## PRINCIPAL'S DESK



S.G.A, Government Degree College started its journey in the year 1987 with an objective of providing quality education to the students in particular for socially, economically down trodents categories and empowering them with all the necessary life skills, employability skills, leadership qualities and in depth domain subject knowledge.

S.G.A, Government Degree College has an excellent team of highly qualified and well experienced competent faculty members and striving hand to transform the students as responsible future citizens of the nation with social consciousness, morals and human values. I am very proud to say that our college has got its own reputation as one of the best colleges in Andhra University area in terms of academic excellence, outstanding performance in sports and games and social service activities through N.S.S Units.

I foresee that every student who has entered this temple of learning will certainly go out as a full-fledged beautiful citizen with a positive attitude, accountability and social responsibility.

"Success comes to those who work hard and stays with those who don't rest on past laurels"

Dr.P.Chandra Sekhar  
Principal

# COLLEGE FACILITIES



# PROGRAMS OFFERED

**PROGRAMS OFFERED**

**COMMERCE**

- B.Com Computer Applications (Honors)
- B.F.S.I (Banking Financial Services & Insurance) ( Job Guarantee Course )

**ARTS**

- B.A Honors (History)
- B.A Honors (Economics)

**SCIENCES**

- B.Sc Honors (Botany)
- B.Sc Honors (Zoology)
- B.Sc Honors (Chemistry)
- B.Sc Honors (Computer Science)

**PG COURSES :**

- M.Sc Organic Chemistry
- M.Sc Analytical Chemistry

# ACADEMIC ACHIEVEMENTS

## DR.Y.POLI REDDY, LECT. IN PHYSICAL EDUCATION NOMINATED AS AN EXAMINER TO CONDUCT OF APPECET-2025

Dr. Y. Poli Reddy, Lecturer in Physical Education, has been nominated as an Examiner for the Andhra Pradesh Physical Education Common Entrance Test (AP PECET) – 2025. This prestigious nomination reflects his expertise and dedication in the field of Physical Education. As an examiner, Dr. Poli Reddy will play an important role in ensuring the smooth and transparent conduct of the examination. He will contribute to maintaining the integrity and quality of the examination process. His responsibilities include ensuring fair assessment of candidates aspiring to pursue courses in Physical Education.

This nomination is a recognition of his professional competence and commitment to academic and sports excellence. It also brings pride and recognition to the institution. The college community congratulates Dr. Poli Reddy on this achievement and wishes him success in carrying out this important responsibility.



Achievements

## FACULTY RECEIVED CERTIFICATE OF EXCELLENCE



The faculty members of the college were honored with Certificates of Excellence from Yogandhra in recognition of their outstanding contribution and active participation in the program. This acknowledgment reflects their dedication to promoting physical well-being, mental discipline, and holistic development among students through the principles of yoga. Their involvement in Yogandhra not only enhanced the success of the initiative but also served as an inspiration for students to embrace a healthier and more balanced lifestyle. The recognition stands as a testament to the faculty's commitment to educational and personal excellence.

# ACADEMIC ACHIEVEMENTS

## STUDENTS EXCELLED IN HIGHER EDUCATION

Students of the college have achieved notable success in higher education entrance examinations such as the Andhra Pradesh Integrated Common Entrance Test (APICET), Andhra Pradesh Post Graduate Common Entrance Test (APPGCET), and the Common University Entrance Test (CUET). Their excellent performance reflects strong academic dedication and a competitive spirit. Many students secured good ranks and qualified for admission into reputed universities and postgraduate programs. These achievements highlight both the hard work of the students and the guidance provided by the faculty. The success of these students brings pride to the institution and demonstrates the quality of education offered by the college. Their accomplishments also motivate other students to aim higher and pursue advanced studies.

Physics								
1	SGA GDC Yellamanchili	S KRISHNAVENI	2022-2025	BI-MPC	M.Sc	450865013729	7	BC-D
2	SGA GDC Yellamanchili	K JAHNAVI	2022-2025	BI-MPCs	M.Sc	450865011509	10	BC-D
3	SGA GDC Yellamanchili	E SHYAM	2022-2025	BI-MPCs	M.Sc	450865010890	16	BC-D
4	SGA GDC Yellamanchili	T VASU	2022-2025	BI-MPC	M.Sc	450865013883	16	BC-D
5	SGA GDC Yellamanchili	J NAGALAKSHMI	2022-2025	BI-MPCs	M.Sc	450865011316	67	BC-D
6	SGA GDC Yellamanchili	K KEERTHI	2022-2025	BI-MPCs	M.Sc	450865011772	143	BC-D

Chemistry								
1	SGA GDC Yellamanchili	G Chandhrika	2022-2025	B.Sc (CBZ)	M.Sc	450965010940	73	BC-A
2	SGA GDC Yellamanchili	K Drakshavali	2022-2025	B.Sc (CBZ)	M.Sc	450965011943	121	BC-D
3	SGA GDC Yellamanchili	N Kavayanti	2022-2025	B.Sc (MPC)	M.Sc	450965030291	610	BC-D
4	SGA GDC Yellamanchili	G Swamy	2022-2025	B.Sc (MPC)	M.Sc	450965011037	610	OC
5	SGA GDC Yellamanchili	M.Naraji	2022-2025	B.Sc (MPC)	M.Sc	450965012268	783	BC-D
6	SGA GDC Yellamanchili	Y.Nagu	2022-2025	B.Sc (MPC)	M.Sc	450965014232	1601	BC-D
7	SGA GDC Yellamanchili	B.Lakshmi prabhas	2022-2025	B.Sc (MPC)	M.Sc	450965010197	1951	BC-D

Botany								
1	SGA GDC Yellamanchili	DHULI DEVI	2022-2025	B.Sc (CBZ)	M.Sc	450765010794	283	BC-D

Zoology								
1	SGA GDC Yellamanchili	KORUKONDA DIRAKSHAVALLI	2022-2025	B.Sc (CBZ)	M.Sc	450465011944	16	BC-D
2	SGA GDC Yellamanchili	KONA JAHNAVI	2022-2026	B.Sc (CBZ)	M.Sc	450465011805	62	BC-D
3	SGA GDC Yellamanchili	GRANDHI LAKSHMI PRASANM	2022-2027	B.Sc (CBZ)	M.Sc	450465011944	165	BC-D
4	SGA GDC Yellamanchili	DADI HEMALATHA	2022-2025	B.Sc (CBZ)	M.Sc	450465020123	345	OC
5	SGA GDC Yellamanchili	SARAPALLI PRATYUSHA	2022-2026	B.Sc (CBZ)	M.Sc	450465013456	431	BC-D
6	SGA GDC Yellamanchili	PALAKA HARSHITHA	2022-2027	B.Sc (CBZ)	M.Sc	450465012722	595	BC-D
7	SGA GDC Yellamanchili	ARJUN SANTHI	2022-2028	B.Sc (CBZ)	M.Sc	450465010142	715	BC-A

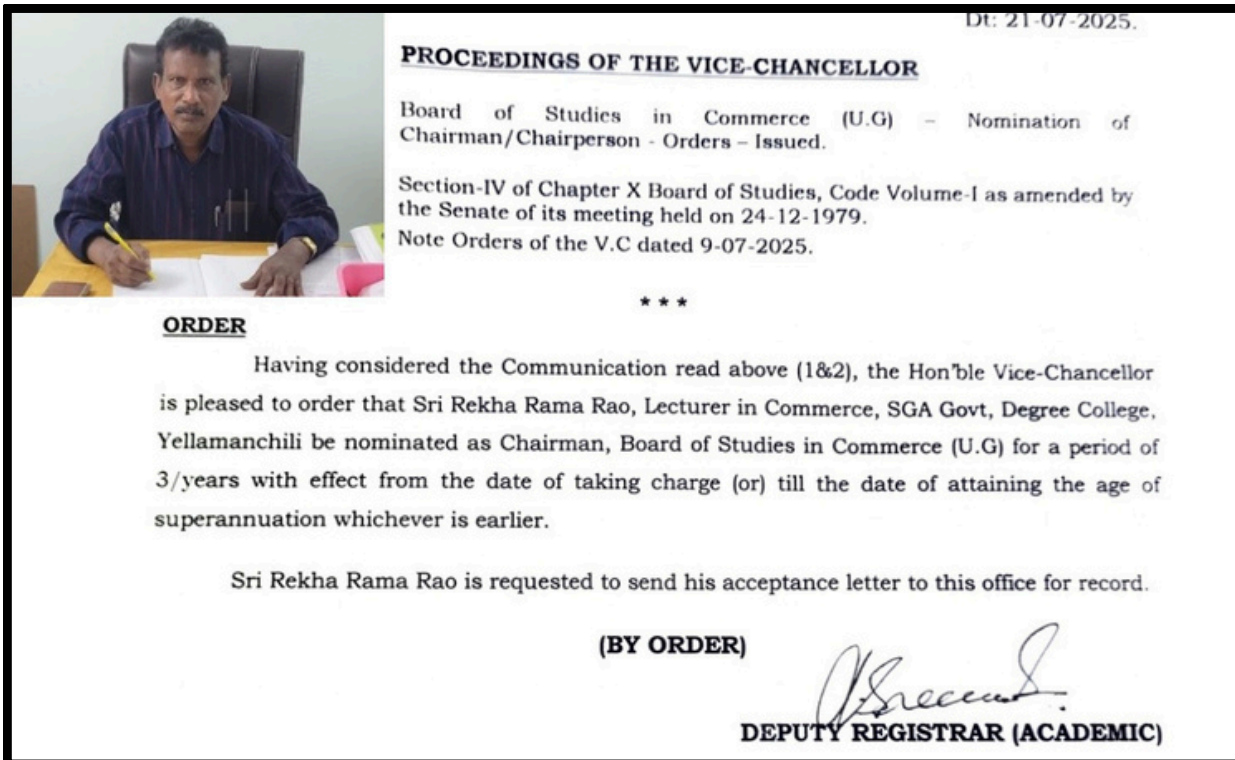
Economics								
1	SGA GDC Yellamanchili	G.Arusha	2022-2025	B.A (HERI)	M.A.	450665011098	325	ST

Computer Science -- ICET FOR MCA								
1	SGA GDC Yellamanchili	K.JAHNAVI	2022-2025	B.Sc MPCs	MCA	85188010157	2526	Bc_D
2	SGA GDC Yellamanchili	G.N.V KARISHMA	2022-2025	B.Sc MPCs	MCA	85288010559	5119	OC
3	SGA GDC Yellamanchili	R.DHARANI	2022-2025	B.Sc MPCs	MCA	85188010333	6281	BC-D
4	SGA GDC Yellamanchili	K.SAI RUNA	2022-2025	B.Sc MPCs	MCA	85288020390	7867	BC-A
5	SGA GDC Yellamanchili	K.RAJINI	2022-2025	B.Sc MPCs	MCA	85251010128	11783	BC-D
6	SGA GDC Yellamanchili	A.HARISH SAI	2022-2025	B.Sc MPCs	MCA	85188010015	15379	BC-A
7	SGA GDC Yellamanchili	PANJII	2022-2025	B.Sc MPCs	MCA	85188010309	32163	BC-A

SGA GDC Yellamanchili									
PGCETS 2025 JUNE ( BATCH 2024-2025) -RANKS INFORMATION									
JAM & CUET ( Central University Test ) FOR THE ACADEMIC YEAR 2025-2026									
S.No	Name & Place of the College	Name of the Student	Period of Study	Programme of Study with combination	PG Course Qualified	Hall Ticket No.	Rank Obtained	Category	Remarks
1	SGA GDC Yellamanchili	S KRISHNAVENI	2022-2025	MPC	JAM	PH623A073	3914	OC	
2	SGA GDC Yellamanchili	E SHYAM	2022-2025	MPCs	CUET PG Physics	AP180100687	SCORE-79	OBC	
3	SGA GDC Yellamanchili	T VASU	2022-2025	MPC	CUET PG Physics	AP180100917	SCORE-78	OBC	
4	SGA GDC Yellamanchili	K.JAHNAVI	2022-2025	MPCs	CUET PG Physics	AP180100684	SCORE-72	OBC	
5	SGA GDC Yellamanchili	J NAGALAKSHMI	2022-2025	MPCs	CUET PG Physics	AP180100684	SCORE-63	OBC	
6	SGA GDC Yellamanchili	S KRISHNAVENI	2022-2025	MPC	CUET PG Physics	AP180100527	SCORE-58	OBC	
7	SGA GDC Yellamanchili	K KEERTHI	2022-2025	MPCs	CUET PG Physics	AP180100665	SCORE-43	OBC	
8	SGA GDC Yellamanchili	J.SRINU	2022-2025	B.Sc (MPC)	CUCET Maths	AP180101042	score-60	OBC(NCL)	
9	SGA GDC Yellamanchili	A.GOWRI	2022-2025	B.Sc (MPC)	CUCET Maths	AP180100613	score-43	OBC(NCL)	
10	SGA GDC Yellamanchili	PASWINI	2022-2025	B.Sc (MPC)	CUCET Maths	AP180101045	score-37	OBC(NCL)	
AP PGCET FOR THE ACADEMIC YEAR 2025-2026									
Mathematics									
1	SGA GDC Yellamanchili	A.GOWRI	2022-2025	B.Sc (MPC)	M.Sc	450765010051	27	BC-D	
2	SGA GDC Yellamanchili	J.SRINU	2022-2025	B.Sc (MPC)	M.Sc	450765011325	56	OC	
3	SGA GDC Yellamanchili	M.KOTI	2022-2025	B.Sc (MPC)	M.Sc	450765010860	56	OC	
4	SGA GDC Yellamanchili	PASWINI	2022-2025	B.Sc (MPC)	M.Sc	450765010051	76	BC-D	

Achievements

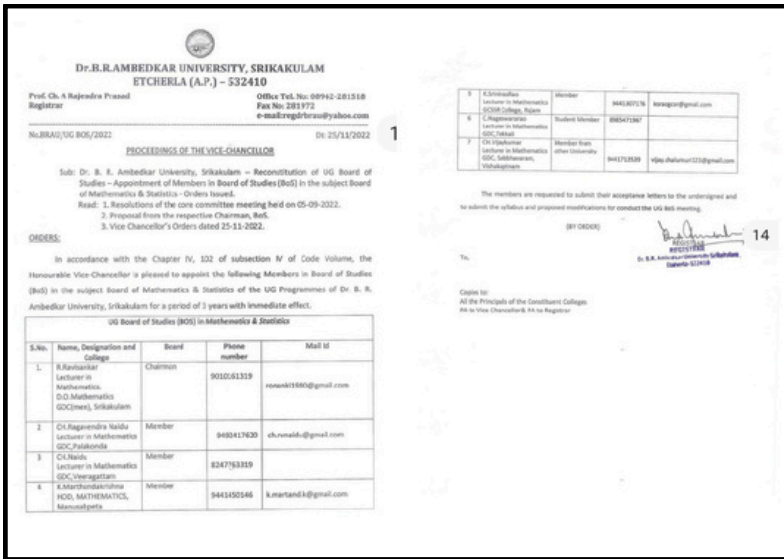
## SRI RAMA RAO, LECT. IN COMMERCE SELECTED AS CHAIRMAN OF BOS



The Hon'ble Vice-Chancellor has approved the nomination of Sri Rekha Rama Rao, Lecturer in Commerce, of Sri Gurajada Appa Rao Government Degree College, Yellamanchili, as the Chairman of the Board of Studies in Commerce (UG). The appointment is for a period of three years from the date of taking charge or until the date of attaining the age of superannuation, whichever is earlier.

This nomination recognizes his academic experience and contribution to the field of Commerce education. As Chairman of the Board of Studies, he will play a key role in academic planning, curriculum development, and maintaining academic standards in the subject. The college community congratulates him on this achievement and wishes him success in fulfilling this prestigious responsibility.

**SRI CH.VIJAYA KUMAR, LECT. IN MATHEMATICS APPOINTED AS MEMBER OF BOS**



Sri Ch. Vijay Kumar, faculty member of Sri Gurajada Apparao Government Degree College, Yellamanchili, has been appointed as a Member of the Board of Studies (BOS) in the subject of Mathematics in Dr.B.R.Ambedkar University, srikakulam. This prestigious appointment reflects his academic excellence, subject expertise, and dedication to higher education. As a BOS member, he will contribute to curriculum design, academic policy development, and quality enhancement in the subject.

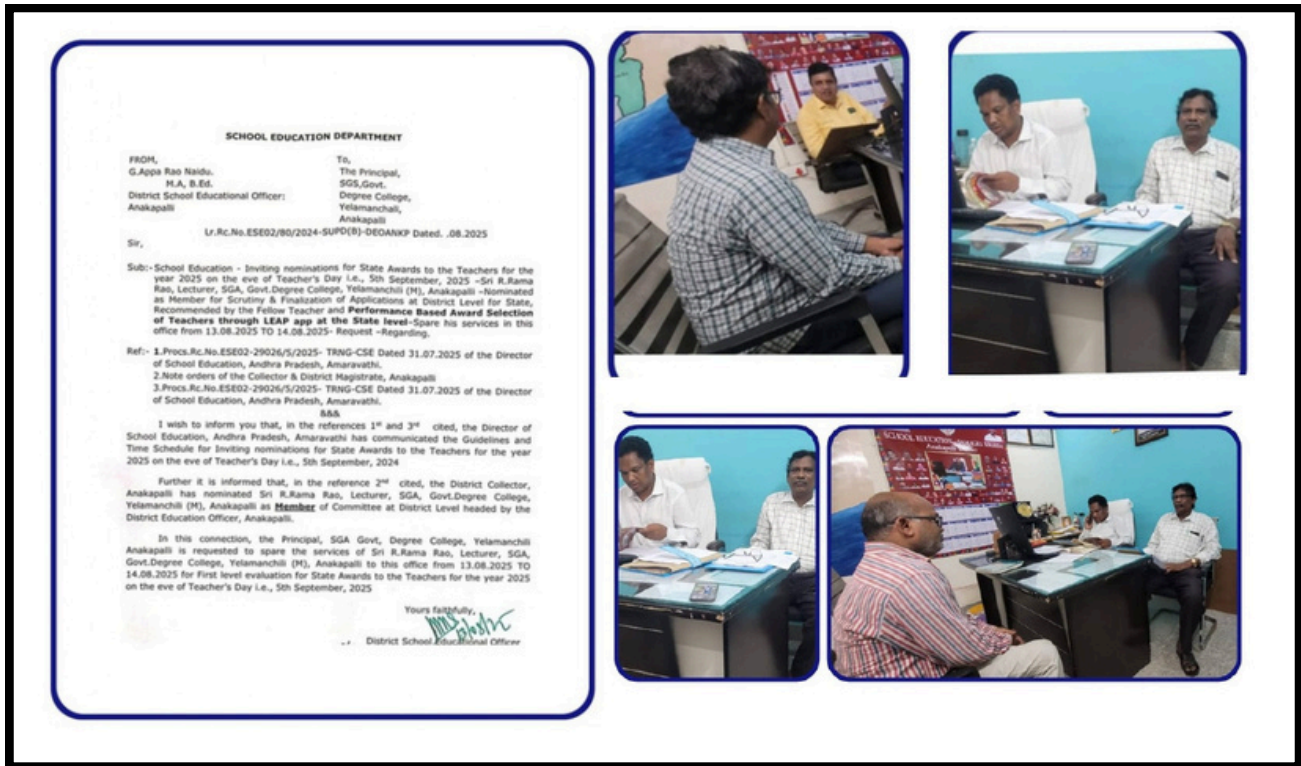
**PHYSICS FACULTY APPOINTED AS MEMBERS OF BOS**



Mr. P.S. Jaggaro and Mr. K. Venkanna have been selected as Members of the Board of Studies (BOS) – Andhra University. Their selection is a proud moment for the institution and stands as a recognition of their academic excellence, dedication, and valuable contribution to higher education. He expressed confidence that their contribution to the AU BOS will enhance academic standards and introduce innovative, student-friendly educational practices. The Management, Staff, and Students extend their heartfelt congratulations to Mr. P.S. Jaggaro and Mr. K. Venkanna, wishing them great success in their new academic responsibility.

Achievements

## SRI RAMA RAO, LECTURER IN COMMERCE, NOMINATED AS MEMBER OF DISTRICT-LEVEL SCRUTINY COMMITTEE FOR STATE FELLOW TEACHER & PERFORMANCE-BASED AWARDS



Achievements

We are proud to announce that Sri R. Ramarao, our Vice Principal, has been nominated as a member of the District-Level Committee for Scrutiny and Finalization of Applications for the State Recommended Fellow Teacher and Performance-Based Awards. This nomination recognizes his expertise, integrity, and dedication to upholding high standards in the evaluation process. Sri Ramarao's role will be crucial in ensuring a fair and transparent selection of deserving candidates for these prestigious awards. We congratulate Sri Ramarao on this important responsibility and wish him success in contributing to the district's academic excellence

**DR.J.VIJAYA BHARATHI, LECT. IN HINDI SELECTED ANS EMPANEL MEMBER OF IGNOU**

The Department of Hindi is proud to announce that Dr. J. Vijayabharathi, Lecturer in Hindi, has been selected as an Empanelled Member of Indira Gandhi National Open University (IGNOU). This prestigious selection is a recognition of Dr. Vijayabharathi's academic excellence, subject expertise, and consistent contribution to the field of Hindi language and literature. As an empanelled member, Dr. Vijayabharathi will play a key role in academic activities such as curriculum development, evaluation, content creation, and other scholarly engagements under the aegis of IGNOU. The department congratulates Dr. J. Vijayabharathi on this remarkable achievement and wishes her continued success in her academic and professional endeavors. Her selection brings great pride to the institution and sets a benchmark of excellence for fellow educators.

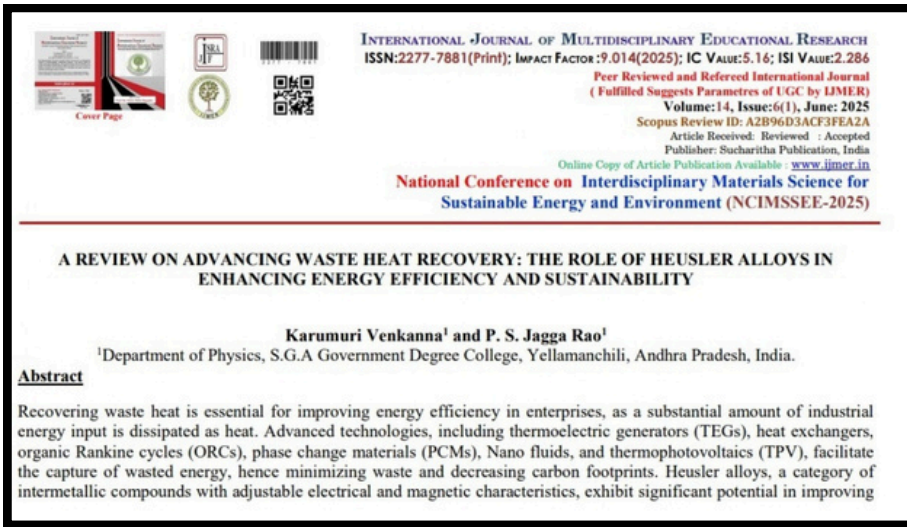


Achievements



We are proud to announce that Dr. Arjun Apparao Sir, Adari, has been awarded the Certificate of Excellence in Reviewing. This recognition highlights his outstanding contribution, dedication, and commitment to academic excellence. Dr. Arjun Apparao Sir's meticulous and insightful reviews have significantly contributed to maintaining high standards in scholarly work. His achievement is a testament to his expertise, professionalism, and passion for advancing knowledge. We congratulate him on this well-deserved honor and take pride in his exemplary contribution to the academic community.

PUBLICATION OF RESEARCH PAPERS



The study highlights the potential of these materials in contributing to sustainable energy solutions by converting industrial and environmental heat loss into usable energy. The publication reflects the department's ongoing commitment to cutting-edge research in material science and its role in promoting environmental sustainability through innovative energy technologies.

Publications

The Department of Physics at S.G.A Government Degree College, Yellamanchili, proudly published a research paper titled "A Review on Advancing Waste Heat Recovery: The Role of Heusler Alloys in Enhancing Energy Efficiency and Sustainability." Authored by Karumuri Venkanna and P. S. Jagga Rao, the paper presents a comprehensive analysis of how Heusler alloys—known for their unique thermoelectric and magnetic properties—can be utilized to recover waste heat effectively.



A proud moment for the institution, Dr. Arjuna Apparao Adari, along with the students Miss G. Leela Sowjanya, Miss G. Ramya, Mr. Swamy Durga Prasad, and Miss Tejaswari, as co authors received a Certificate of Publication from the African Journal of Biomedical Research (ISSN: 1119-5096), a reputed journal indexed in Scopus, Embase®, and Clarivate Analytics.

heir research paper titled "Seasonal Variation in Milk Fat Content in Cow Milk: A Case Study from Anakapalli District, Andhra Pradesh, India" was formally recognized and published by ARC Publication, Dubai, UAE.

This achievement highlights the team's dedication to quality research and contributes valuable insights to the field of biomedical and nutritional science.

## PUBLICATION OF RESEARCH ARTICLE

Research article

**Effect of age and season on fresh semen quality of Bali bulls in Indonesia**

Adi Tiya Warman<sup>a</sup>, Panjono<sup>a\*</sup>, Wiwied Sawitri<sup>d</sup>, Andi Widodo Wijanarko<sup>d</sup>, Bayu Andri Atmoko<sup>e</sup>, Sigit Bintara<sup>b</sup>, Tri Satya Mastuti Widi<sup>c</sup>, Zaenab Nurul Jannah<sup>a</sup>, Endang Baliarti<sup>c</sup>

<sup>a</sup> Department of Animal Production, Faculty of Animal Science, Universitas Gadjah Mada, Yogyakarta 55281, Indonesia  
<sup>b</sup> Department of Animal Breeding and Reproduction, Faculty of Animal Science, Universitas Gadjah Mada, Yogyakarta 55281, Indonesia  
<sup>c</sup> Postgraduate School of Universitas Gadjah Mada, Yogyakarta 55284, Indonesia  
<sup>d</sup> Singosari National Artificial Insemination Center, Malang 65153, Indonesia  
<sup>e</sup> Research Center for Animal Husbandry, National Research, and Innovation Agency (BRIN), Bogor 16915, Indonesia

10.1590/1984-3143-AR2020-0219

Surisetti, R.B., Pattasi, J., Rao, N.K., Sravani, G.V.D., Apparao, A.A.  
 2024. Age and seasonal impacts on bull semen quality: current findings and future directions. REDVET. 25: 25–42.

Dr. Arjuna Apparao Adari, along with co-authors Miss. G. Leela Sowjanya, Miss. G. Ramya, Mr. Swamy Durga Prasad, and Miss. Tejaswari, received a Scopus and Clarivate-indexed certificate of publication from the African Journal of Biomedical Research (ISSN: 1119-5096) for their paper titled "Seasonal Variation in Milk Fat Content in Cow Milk: A Case Study from Anakapalli District, Andhra Pradesh, India," recognizing the influence of seasonal changes on milk fat in cow milk.

Similarly, the research article "Effect of Age and Season on Fresh Semen Quality of Bali Bulls in Indonesia," authored by Adi Tiya Warman, Panjono, and others from Universitas Gadjah Mada and collaborating institutions, investigates reproductive efficiency by analyzing the impacts of age and season on Bali bull semen quality. Complementing this, Surisetti R.B., Pattasi J., Rao N.K., Sravani G.V.D., and Apparao A.A. (2024) explored broader perspectives in REDVET with their work "Age and Seasonal Impacts on Bull Semen Quality: Current Findings and Future Directions," offering comparative insights into reproductive physiology and seasonal breeding patterns.

PUBLICATION OF RESEARCH PAPER IN REPUTED JMMM

**Journal of Magnetism and Magnetic Materials**  
 Research article  
**Structural, electronic, and magnetic properties of  $Co_2HfZ$  ( $Z = Al$  and  $Sn$ ) Heusler alloys for spintronic and caloric applications\***  
 Karumuri Venkanna<sup>1,2</sup>, C.H. Prashanth<sup>3</sup>, Abhijit Nayak<sup>4</sup>, P. Rambabu<sup>5</sup>,  
 Ibhema Lingam Chittari<sup>6</sup>, Krishnasurthy Jyothinagaram<sup>1,2</sup>

**ABSTRACT**  
 This report examines the structural, phonon, thermoelectric, and magnetocaloric properties of  $Co_2HfZ$  ( $Z = Al, Sn$ ) full Heusler alloys (FHAs) through the application of density functional theory (DFT) and Monte Carlo simulations.  $Co_2HfAl$  and  $Co_2HfSn$  systems demonstrate half-metallic (HM) behavior with calculated lattice parameters measuring 6.2196 Å and 6.2199 Å, respectively. The minority spin bands exhibit an indirect band gap of 1.02 eV for  $Co_2HfAl$  and 1.61 eV for  $Co_2HfSn$ , whereas the majority spin bands exhibit a metallic state. The estimated ferromagnetic (FM) transition temperature ( $T_c$ ) is 179 K for  $Co_2HfAl$  and 495 K for  $Co_2HfSn$ . The phonon calculations reveal that both alloys exhibit dynamic stability and are devoid of soft modes, whereas thermoelectric evaluations indicate that for  $Co_2HfAl$ , the Seebeck coefficient ( $S$ ) remains marginally positive near the Fermi level across the examined Chemical potential ( $\mu$ ) range and increases with temperature, indicating stable  $p$ -type behavior with improved performance at elevated temperatures. In contrast,  $Co_2HfSn$  displays a sign change in  $S$  with  $\mu$  and temperature, trending toward more negative values at higher  $T$ , which signifies a shift toward enhanced  $n$ -type conduction. The research further evaluates the temperature-dependent magnetization and magnetic refrigeration (MR) properties. The maximum value of isothermal entropy change ( $-\Delta S_{max}$ ) varies from 0.25 to 2.80  $Jg^{-1}K^{-1}$  for  $Co_2HfAl$  and from 0.1 to 1.8  $Jg^{-1}K^{-1}$  for  $Co_2HfSn$ . The RCP measures 11.02  $Jg^{-1}$  and 14.40  $Jg^{-1}$  at  $H = 1$  T for  $Co_2HfAl$  and  $Co_2HfSn$ , respectively, increasing to 235.58  $Jg^{-1}$  and 312.79  $Jg^{-1}$  for  $H = 17$  T. The results highlight their promise for applications that prioritize energy efficiency in fields such as spintronic, thermoelectric, and solid state refrigeration, offering considerable advantages for environmental sustainability.

**1. Introduction**  
 Heusler alloys, a category of intermetallic compounds, have attracted considerable research interest in recent years owing to their intriguing properties and diverse applications. The alloys predominantly made up of transition metals, display a distinctive amalgamation of structural, electronic, and magnetic properties that render them exceptionally advantageous across numerous technological domains. Heusler alloys are categorized into two primary types: the full Heusler alloys (FHAs), characterized by an L2<sub>1</sub> crystal structure, and the half Heusler alloys (SHAs), which exhibit a C1<sub>v</sub> crystallization pattern. The exploration of these alloys is extensive, particularly regarding their prospective uses in spintronics [1,2,3], magnetic refrigeration [4,5], and thermoelectric energy conversion [6], attributed to their adjustable magnetic [7], electronic [8], and thermal characteristics [9]. Their capacity to demonstrate elevated Curie temperature ( $T_c$ ), significant magnetoresistance [10], and half-metallicity positions them as compelling prospects for spintronic devices, which leverage the spin of electrons to enhance the efficiency of electronic systems [11]. Furthermore, the caloric properties exhibited by these materials, including magnetocaloric (MC) [12] and elasto-caloric (EC) effects [13], render them exceptionally suitable for cutting-edge cooling technologies. This

Sri K. Venkanna, Lecturer in the Department of Physics, has recently published his innovative research work in the internationally reputed journal Journal of Magnetism and Magnetic Materials (JMMM), which holds a notable impact factor of 3.0. His research contributes significantly to the field of magnetism and material science, showcasing a deep understanding of advanced physical phenomena and their applications. This publication in JMMM reflects the high quality, originality, and relevance of his work, further establishing the academic reputation of our institution. We congratulate Sri K.Venkanna on this remarkable achievement and wish him continued success in his future research endeavors.

Publications

FACULTY QUALIFIED IN NET

**राष्ट्रीय परीक्षा एजेंसी**  
**National Testing Agency**  
 Excellence in Assessment

**विश्वविद्यालय अनुदान आयोग**  
**University Grants Commission**  
 Quality higher education for all

(एनएसआर विभाग, विश्वविद्यालय, भारत सरकार के तहत एक स्वायत्त संगठन)  
 (An Autonomous Organization under the Department of Higher Education, Ministry of Education, Government of India)

Category:	GENERAL (UR)	Pwd/PwBD*:	NO
Gender:	MALE	Date of Birth:	01-05-1973
Subject:	(027) - TELUGU		
No. of Candidates in this Subject	Registered:	5658	Appeared:
	4372		
Applied on the basis of:	MASTER DEGREE		
Applied for:	ASSISTANT PROFESSOR, PH.D. ONLY		

Paper	Maximum Marks	Marks Obtained	Percentile Score Obtained
Total (Paper - 1 + Paper - 2):	300	164	96.3531565
Total Marks Obtained in Words:	ONE HUNDRED SIXTY FOUR ONLY		
Total Percentile Score Obtained in Words:	NINETY EIGHT POINT THREE FIVE THREE ONE FIVE SIX FIVE ONLY		
Result:	QUALIFIED FOR ASSISTANT PROFESSOR & ADMISSION TO PH.D.		

\* VI-Visually impaired, HI-Hearing impaired, LM- Locomotor Disability, OD-Other Disability

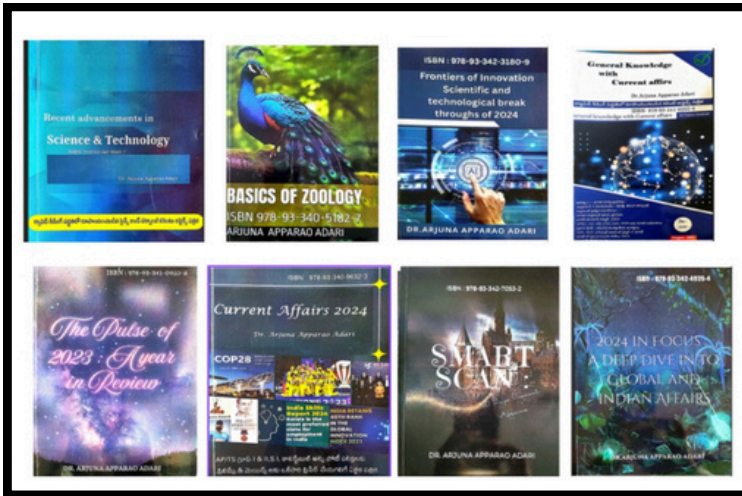
Category:	GENERAL (UR)	Pwd/PwBD*:	NO
Gender:	MALE	Date of Birth:	16-10-1994
Subject:	(087) - COMPUTER SCIENCE AND APPLICATIONS		
No. of Candidates in this Subject	Registered:	49910	Appeared:
	37079		
Applied on the basis of:	MASTER DEGREE		
Applied for:	ASSISTANT PROFESSOR, PH.D. ONLY		

Paper	Maximum Marks	Marks Obtained	Percentile Score Obtained
Total (Paper - 1 + Paper - 2):	300	148	96.2404596
Total Marks Obtained in Words:	ONE HUNDRED FORTY EIGHT ONLY		
Total Percentile Score Obtained in Words:	NINETY SIX POINT TWO FOUR ZERO FOUR FIVE NINE SIX ONLY		
Result:	QUALIFIED FOR ADMISSION TO PH.D. ONLY		

\* VI-Visually impaired, HI-Hearing impaired, LM- Locomotor Disability, OD-Other Disability

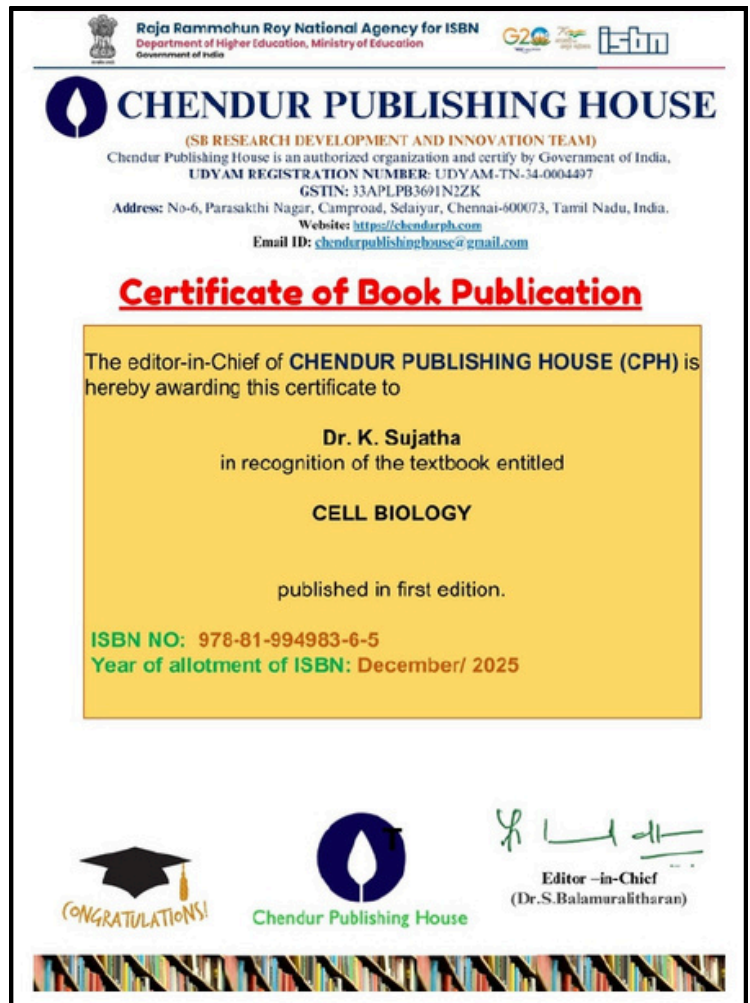
Sri V.A. Satyanarayana, Lecturer in Telugu, and Sri D. Sai Charan, Lecturer in Computer Science, brought great pride to the institution by successfully qualifying the UGC-NET examination once again. Remarkably, Sri V.A. Satyanarayana achieved this milestone for the **\*\*seventh time\*\***, showcasing his consistent academic excellence and deep command over his subject. Similarly, Sri D. Sai Charan cleared the UGC-NET for the **\*\*third time\*\***, reflecting his strong dedication to academic growth and research. Their achievements stand as an inspiration to both students and fellow faculty members, reinforcing the institution's culture of academic rigor and professional advancement.

**BOOKS PUBLICATION**



Dr. A. Arjun Apparao, esteemed Lecturer in Zoology, has authored several significant books contributing to the field of zoological sciences. These publications are recognized with ISBN numbers, underscoring their scholarly value and availability for academic and research purposes.

Dr. K. Sujatha, Department of Zoology, has successfully published a book on Cell Biology. This achievement reflects her dedication to teaching, research, and academic excellence. The book provides valuable insights into the fundamentals of cell biology and will serve as a useful resource for students and educators. Dr. K. Sujatha's contribution to the field enhances the academic reputation of our institution and inspires both students and faculty members. The management, staff, and students congratulate Dr. K. Sujatha on this remarkable accomplishment and wish her continued success in her academic endeavors.



Publications

## COMPLETION OF PH.D DEGREE AT GITAM UNIVERSITY



It is a matter of great pride and honor to announce the successful completion of the Ph.D degree at GITAM University by CH.vijay kumar in pure Mathematics. The achievement reflects years of dedicated research, hard work, and academic commitment. The doctoral research has contributed valuable insights to the respective field of study and stands as a significant academic milestone. This accomplishment not only brings recognition to the individual but also adds prestige to the institution. The completion of the Ph.D degree serves as an inspiration to students and faculty members to pursue higher education and research excellence.

## AWARDS



Sri R. Ramarao, Retired Vice Principal, has been honored with the prestigious Dr. A.P.J. Abdul Kalam National Academician Award in recognition of his outstanding contribution to the field of education and academic leadership. And also he has been conferred with the prestigious Dr. Sarvepalli Radhakrishnan Educationalist Award in recognition of his outstanding contribution to the field of education

Ph.D Submission

## ACHIEVEMENTS IN SPORTS



Students of S.G.A. Government Degree College brought pride to the institution by winning prizes at the Yonex Sunrise Andhra Pradesh State-Level Games held recently. Participants from various colleges across the state competed in the event, showcasing their talent and sportsmanship. Our college students performed exceptionally well in their respective categories and secured notable positions, reflecting their dedication, discipline, and hard work.

Sports

## STUDENTS PLACED IN DAIKIN COMPANY



Several students from Sri Gurajada Appa Rao Government Degree College have secured jobs at Diaken Company, Madras. This achievement reflects the students' hard work and the effective training provided by the college. The management and faculty congratulated the selected students on this milestone. They expressed confidence that the students will perform well in their professional careers. The college continues to focus on creating more placement opportunities for its students.

**GIRL STUDENTS SELECTED FOR ANDHRA UNIVERSITY TEAM IN HOCKEY**



Sports

We are extremely proud to share the exciting news that our college girls have been selected to represent the Andhra University Women’s Hockey Team! This remarkable achievement is a result of their dedication, hard work, discipline, and passion for the sport. Their selection is not only a personal success but also a proud moment for our entire college community. Through countless hours of training, unwavering team spirit, and strong determination, these young athletes have proven that talent combined with perseverance leads to success.

**STUDENT QUALIFIED FOR NATIONAL CROSS COUNTRY COMPETITION**

**మీ24 న్యూస్ అనకాపల్లి**  
జిల్లా వార్త

**నేషనల్ క్రాస్ కంట్రీ పోటీలకు ప్రభుత్వ డిగ్రీ కళాశాల విద్యార్థి ఎంపిక**

మీ24న్యూస్, జనవరి - 21 యలమంచిలి :స్థానిక శ్రీ గురజాడ అప్పారావు ప్రభుత్వ డిగ్రీ కళాశాలలో బి ఎ ద్వితీయ సంవత్సరం చదువుతున్న విద్యార్థి యం టి నారాయణ నాయక్ ఆంధ్ర విశ్వవిద్యాలయం నిర్వహించిన పది కిలోమీటర్ల క్రాస్ కంట్రీ పోటీలో పాల్గొని తృతీయ బహుమతిని సాధించి నేషనల్ క్రాస్ కంట్రీ పోటీలకు ఎంపిక అయ్యారు. ఈ సందర్భంగా విద్యార్థి నాయక్ ను ప్రెస్సిఫర్ డాక్టర్ ప్రేమ, చంద్రశేఖర్, సైన్స్ కుమార్ ఇతర అధ్యాపకులు అభినందించారు. జాతీయస్థాయి పోటీలకు విద్యార్థి ఎంపిక కావడం పట్ల తమ హర్షాన్ని తెలియజేశారు. జాతీయ స్థాయిలో కూడా తమ విద్యార్థి చక్కని ప్రతిభను ప్రదర్శించి కళాశాల కు మంచిపేరు తీసుకురావాలని ఆకాంక్షించారు

- న్యూస్ రిపోర్టర్ కర్తి వాగేశ్వర రావు

వేగవంతమైన అనకాపల్లి జిల్లా వార్తల కోసం డౌన్లోడ్ మీ24న్యూస్(Mee24News) యాప్

A student from Sri Gurajada Appa Rao Government Degree College, Yelamanchili, has been selected for the National Cross Country competitions. Y.T. Narayana Naik, a B.A. second-year student, achieved this distinction after performing excellently in the competitions conducted under Andhra University.

By securing first place in the cross country event, he earned the opportunity to participate in the National-level Cross Country competitions. The college Principal Dr. D.M. Chandrasekhar, Heads of Departments, and faculty members congratulated the student for bringing recognition to the institution.

**STUDENT SELECTED AS CAPTAIN OF ANDHRA RUGBY TEAM**



**మీ 24 న్యూస్ యలమంచిలి**  
మండల వార్త

**సౌత్ జోన్ రగ్బీ పోటీలో మెరిసిన యలమంచిలి ప్రభుత్వ కళాశాల విద్యార్థి**

మీ24న్యూస్, పట్టణం - 26 స్థానిక క్రీడ గుంపాడ అవ్వాలను ప్రభుత్వ డిప్యూటీ కళాశాలలో వివిధ ద్వితీయ సంవత్సరం చదువుతున్న బోస్ కుసుమ కే లో ఇండియా లో భాగంగా స్కాట్లండ్ అథారిటీ ఆఫ్ ఇండియా నాన్ సాబ్స్క్రిబ్ అసైన్డ్ రగ్బీ ప్లేర్ వారు నిర్వహించిన అందర్ 18 రగ్బీ పోటీలలో చక్కని ప్రదర్శన కనబరిచారు. మొదట జిల్లా స్థాయిలో నిర్వహించిన రగ్బీ పోటీలలో మంచి ప్రదర్శన కనబరిచిన కుసుమ గత డిసెంబర్ లో జరిగిన రాష్ట్ర స్థాయి పోటీలకు ఎంపికయ్యారు. అక్కడ కూడా చక్కని ప్రతిభ చదవడంలో చెన్నైలో జరిగిన సౌత్ జోన్ పోటీలకు ఎంపికయ్యారు. ఈ నెల 21,22 తేదీ లలో జరిగిన ఈ సౌత్ జోన్ పోటీలకు కుసుమ ఆంధ్రప్రదేశ్ టీమ్ లో సాఫ్ట్ వేర్ లోని కెప్టెన్ గా కూడా ప్రవేశించారు.ఈ సందర్భాన్ని సురస్కరించుకుని కుసుమ మమ కళాశాల ప్రెస్నిపోల్ డాక్టర్ ప్రేమ, చంద్రశేఖర్ , వైస్ చాన్సలర్ సత్యనారాయణ, ఆర్ ఎడ్యుకేషన్ ఇంచార్జి చిరంజీవి, పి. డి.సతీశ్ కుమార్, తదితరులు అభినందించారు.

- న్యూస్ రిపోర్టర్ శ్రీ వాణిశ్యం రావు

వేగవంతమైన యలమంచిలి మండల వార్తల కోసం డాక్టర్ మీ24న్యూస్(Mee24News) యాప్

Student Kusuma, who was selected as the Captain of the Andhra Team in the South Zone Rugby Competitions.

**B.COM STUDENTS SELECTED FOR INDIAN AIRFORCE**



In a proud and inspiring achievement for the college, three students from the B.Com department have been selected to serve in the Indian Air Force. The selected students are Goru Ramesh, D. Praveen Kumar, and T. Chandra Sekhar. Their selection reflects their dedication, discipline, and hard work, along with the strong academic and moral support provided by the institution. The students successfully cleared all stages of the recruitment process, including the written examination, physical fitness tests, and personal interviews conducted by the Air Force recruitment board.



## STUDENTS PARTICIPATED IN YOGANDHRA



Faculty and students of the college actively participated in the Yogandhra program with great enthusiasm and commitment. Their collective involvement demonstrated a strong dedication to promoting physical fitness, mental well-being, and holistic health through the practice of yoga. Regular sessions, workshops, and demonstrations were conducted, fostering a disciplined and balanced lifestyle among participants. The active participation of both faculty and students contributed to the success of the program, creating a vibrant atmosphere of unity and wellness across the campus.



As part of the Golden Jubilee Celebrations at Visakha Government Women's Degree College (Autonomous), students actively participated in poster presentations and working model competitions, showcasing their creativity and innovation. The events highlighted the academic talent of the students across various disciplines. Faculty members contributed significantly by serving as judges, ensuring fair evaluation and encouraging students with valuable feedback. The celebrations reflected the institution's commitment to academic excellence and student development.

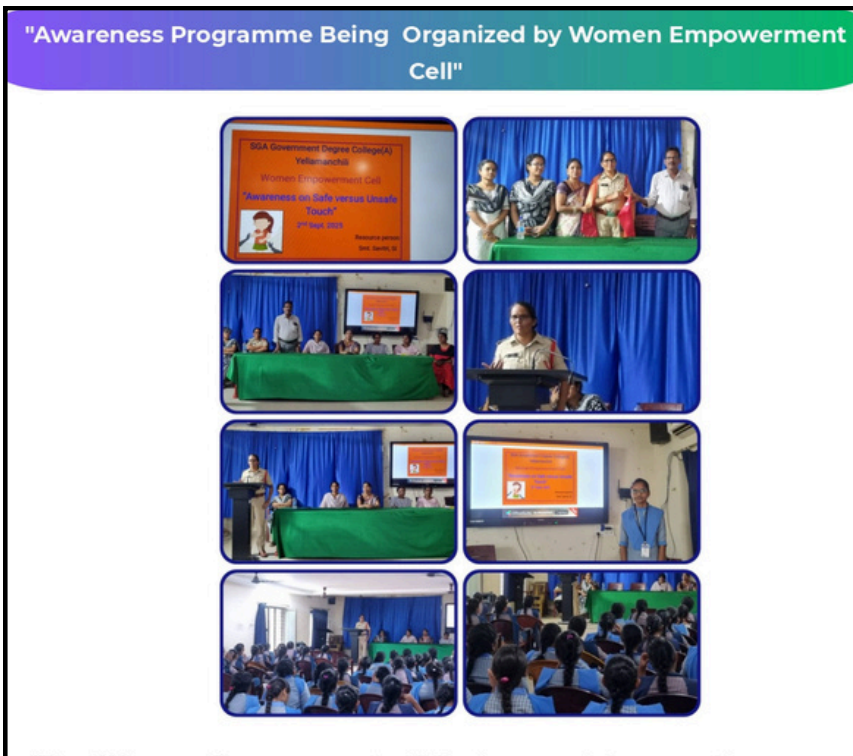
Students Participation

## AWARENESS PROGRAM ON DRUG FREE SOCIETY

The NSS unit of the college organized an impactful Awareness Program on creating a Drug-Free Society, aiming to educate students and the community about the severe consequences of drug abuse. The program was graced by the presence of Honorable MLA Shri Sundharapu Vijay Kumar, who attended as the Chief Guest



Awareness Programms



The Women Empowerment Cell is organizing an Awareness Programme to educate girl students about the growing threat of social media crimes. In today's digital world, where social media is a part of everyday life, it is essential to understand both its benefits and its dangers. The session will be addressed by SI Madam, an experienced officer from the local police department, who will share valuable insights on cybercrime awareness and prevention.



The Departments of Physics and Computers conducted an Awareness Programme for 5th semester students on the importance of Long-Term Internships. The session highlighted the objectives, benefits, and procedures of internships, guiding students on selecting suitable opportunities, applying for projects, and maintaining proper documentation. The programme encouraged students to engage in internships to gain practical experience, enhance professional skills, and prepare for future careers. Overall, it motivated students toward skill development, research-oriented learning, and experiential education.

National Webinar on Financial Literacy



The Department of Commerce organized a National Webinar on Financial Literacy on 25-08-2025 to create awareness about financial planning and responsible money management among students and the public. The program was inaugurated by the Chief Guest, who emphasized the importance of financial literacy in helping individuals make informed financial decisions and achieve a secure financial future.

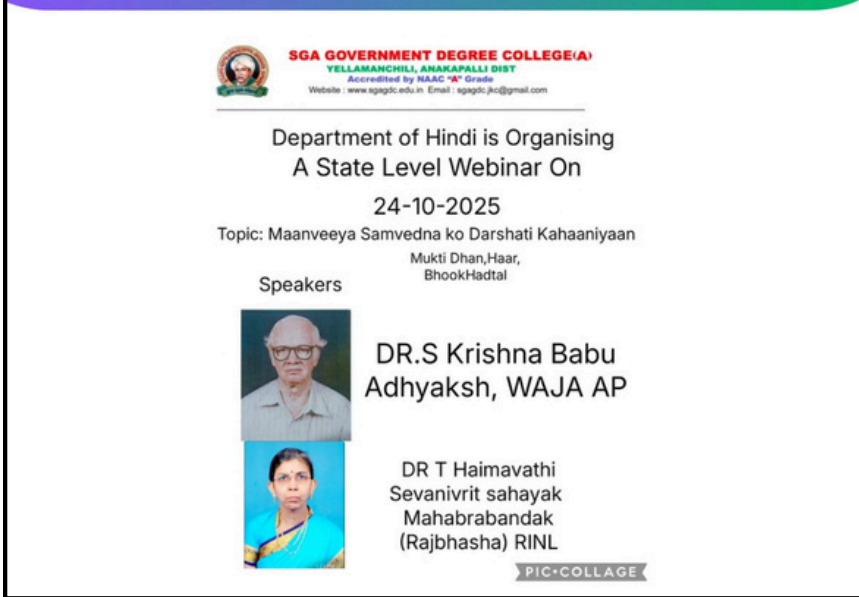
Dr. Sivaji Chadharam, Scientist G, highlighted the vital role of science and technology in addressing global challenges and connecting nations beyond geographical boundaries. He emphasized that science is a collaborative effort that helps tackle issues like climate change, healthcare, and food security. In his concluding remarks, he encouraged innovation and international collaboration to build a sustainable, equitable, and interconnected world.

National Webinar On "Science Without Borders"



The Department of Hindi of our college organised a State Level Webinar on 24- 10-2025 on the theme "Maanveeya Samvedna ko Darshati Kahaaniyaan." The webinar focused on selected stories including Mukti Dhan, Haar, and BhookHadtal, highlighting how Hindi literature reflects human emotions and social realities. Eminent speakers delivered valuable insights, inspiring participants to understand literature beyond academics and relate it to life and society. The event proved educational, interactive, and beneficial for students and .The Department thanked all speakers, participants, and organisers for their support and active involvement.

State Level Webinar on Human Sensitivity in Hindi Literature"



Webinars

## Telugu Language Day celebrations



Celebrated 163 Birthday Of Sri Gidugu Ramamurthy garu as Telugu Bhasha Dinotsavam on 29-08-2025



Organised Telugu Bhasha Dinotsavam On The Eve Of Sri Gidugu Ramamurthy Birthday On 29-08-2025



## National Sports Day celebrations



## Teacher's Day Celebrated By Students



## Celebration of the 164th Birth Anniversary of Sri Gurajada Apparao



Organised 164th Birthday Of SRI Gurajada Apparao , Reformer & Father of Modern Telugu Poetry . On 20-09-2025



## AWARENESS PROGRAM ON DRUG FREE SOCIETY



The NSS unit of the college conducted a Quiz Competition on the occasion of Anti-Drug Day to raise awareness among students about the harmful effects of drug abuse and the importance of leading a healthy, addiction-free life. The event witnessed enthusiastic participation from students across various departments, who showcased their knowledge and commitment to the cause. This initiative served as an effective platform to educate students and promote a strong anti-drug message within the campus community.

The college organized an Awareness Programme on GST 2.0 conducted by the staff. The session aimed to create awareness among the faculty and students about the updated features, procedures, and benefits of the Goods and Services Tax (GST) 2.0 system. During the programme, staff members explained the key concepts of GST 2.0, including its structure, filing process, and recent reforms introduced by the government. The interactive session helped participants understand the practical implications of the new system in business and daily transactions. The event was informative and successfully enhanced the participants' knowledge about GST 2.0 and its importance in promoting transparency and efficiency in the taxation system.



Competitions



The Department of physics organized a student rally on “GST 2.0 and Its Impact on Electronic Goods” to raise public awareness about India’s evolving tax structure and its influence on consumer markets. The rally aimed to educate the community about how GST 2.0 reforms simplify taxation, promote domestic manufacturing, and encourage fair pricing in the electronic goods sector. Carrying informative placards and slogans, students highlighted the importance of supporting. Faculty members commended the students for their enthusiasm and efforts in spreading financial awareness among the public.

### Plantation Program by NSS



### Swachha Andhra - Sundhara Andhra



### Monsoon Hygiene : AUG 2025



NSS Programs