

EditorialBoard



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NEWSLETTER

NOVEMBER2024

The Member of legislative Assembly, Dr..K.SrinivasaRao visited GDC, Tiruvuru, on 7th Nov, 2024, and engaged in a detailed discussion with the principal regarding various aspects of the institutions infrastructure. During the meeting, the MLA also emphasized the crucial requirements that must be addressed in preparation for the forthcoming visit of the NAAC peer team. After the meeting, he interacted with teaching & non-teaching staff, fostering a deeper understanding of their roles & concerns. As students progression and placement play a key role in NAAC intuitional assessment, the principal requested him to do some favor for the students to improve progression and placements.



An Internship awareness program was organized for the students of 5th Semester at 11.am on 08-11-24.During the session the internship- coordinator, Dr.R.Praveen Duttu, lecturer in Zoology, presented an in. depth overview of the various facets involved in successfully completing an internship. He emphasized the significance of maintaining consistent attendance and upholding a professional work culture through the duration of the internship. He also provided detailed guidelines on how to effectively undertake the internship as well as the proper procedures for documenting and submitting the internship records, The students from BSC, B.Com & BA programs are participated in this awareness program.



National Education Day is observed annually on Nov 11th, 2024 in commemoration of Maulana Abul Kalam Azad, the first Education minister of Independent India. On this occasion, Dr. P.Srinivasa Rao, the principal of Govt Degree College, chintalapudi, delivered an insightful lecture highlighting the unique aspects of tribal literature, emphasizing its cultural richness and educational value. The vice Principal, Sri. Syed. Abubakar, addressed the gathering, and spoke on the theme of the event. Promoting inclusive, high- quality education for all. He elaborated on the importance of equitable educational opportunities as essential for national development & unity. Dr.Y.Vijayananda Raju, lecturer in Telugu, spoke on the Maulana Azad's pioneering efforts towards advocating for free and accessible education for every individual, irrespective of their social or economic background- The IQAC co-ordinator Sri.D.Raghuram Prasad, spoke on the enduring legacy of Maulana Abul Kalam Azad, reinforcing the on-going need for educational reform and inclusivity in contemporary India. The staff and students actively participated in this program.



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Kum. V.Vijayalakshmi of II MCS, GDC, Tiruvuru, was awarded memento in essay writing competition organized by Satya Sai. Organization on 10-11-2024. The principal, staff & students appreciated her for her outstanding performance and commitment of participation as well as her impressive achievement in securing 3rd prize.

	SRI SATHYA SAI SEVA ORGANISATIONS EDUCATION WING, NTR DISTRICT, A.P SRI SATHYA SAI STATE LEVEL ESSAY WRITING COMPETITION - 2024 This is to certify that MR/MS_V.YIJAYALAKSHMI of GOVE. DEGREE School/College from TIRUV URU - SRI SATHYA SAI SEVA_Samithi of NTR District from HIGH SCHOOL/JUNIOR COLLEGE/DEGREE COLLEGE Category has secured place at SAMITHI LEVEL in ENGLISH/TELUGU Language in "SRI SATHYA SAI STATE LEVEL ESSAY WRITING COMPETITION _ 2024". W.M.W.M. M.M.
hand the second	DISTRICT COORDINATOR SAMITHI CONVENOR DISTRICT PRESIDENT

The honorable MLA of Tiruvuru Dr.Kolikapudi.Srinivasa Rao laid the foundation stone for additional buildings to be constructed at a cost of 1.40 lakh at the Government Degree College, Tiruvuru, on 14-11-24. He emphasized that such buildings are crucial for providing an optimal learning environment as students are the backbone of any generation and the future of the country is shaped in the classroom. The MLA assured that the Govt would allocate the necessary funds for the development of higher education, including provisions for free education, scholarships for economically disadvantaged students, and text books. He encouraged students to make use of the most of the opportunities offered by the government. The panchayat chairperson G. Kasturi bai, vice chairperson Smt.G.Venkateswaramma, the college principal Dr.M. Suseela Rao, staff & students participated in this programme.



A representative of flipkart e - Commerce Company, visited GDC, Tiruvuru on 18-11-2024 to conduct the selection process of internship for V Semester students. During the session, the executive provided comprehensive guidelines on how to successfully complete the six- month internship program. He emphasized on the benefits and opportunities associated with flipkart's programs & offers highlighting their value in shaping the professional careers of Interns.



The 57th National library week celebrations commenced at GDC, Tiruvuru on Nov-14, 2024. The College principal, Dr.M.Suseelarao, addressed the gathering, emphasizing the significance of reading books and effectively utilizing library resources. on the second day an essay writing competition was held on the topic "Social media and Emerging Trends" on the third day, an elocution competition took place, with the topic "Analysis of Amravati" as the proposed capital on the 4th day a competition was organized based on theme "seeing and telling". The essence of the book. On the 5th day a variety of books were displayed in the library for viewing. On the concluding day, the principal, vice-principal and IQAC co-ordinator shared their perspectives on the optimal use of library resources. During the event, a PPT presentation was given by Smt.K.Adilakshmi Lecturer in Computer Science on how to use various websites for useful, research information. IQAC co-ordinator, Sri. D. Raghuram Prasad explained on how to utilize library resources under learning management system and E- resources in en- list for career development and to enhance their knowledge and broaden their intellectual horizons. The program concluded with vote of thanks. Faculty & students actively participated in the weeklong celebrations.Y.Sowmya of II MCS & S.Bharath of II B.Com received prizes in the competitions



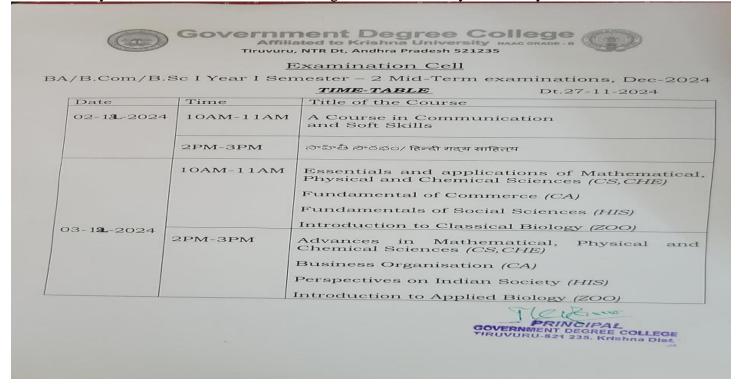
The Principal of GDC, Tiruvuru, Dr.M. Suseela Rao shared exciting news with all the faculty members, announcing that the college had received an email on November 12, 2024, confirming the acceptance of the DVV (data verification and validation) data. He expressed sincere appreciation for the remarkable efforts put forth by the NAAC Team, recognizing their dedication, teamwork, and unwavering commitment in successfully securing the acceptance. Furthermore, the principal emphasized the importance of maintaining up-to-date departmental records and instructed all criteria co-ordinators and faculty members to ensure that these records are well- organized and readily available in preparation for the upcoming NAAC visit.



The Krishna University examinations for UG III & V Semester were conducted at GDC, Tiruvuru from November 21st to 28th, 2024.The examination cell, along with the faculty members ensured that all exams were conducted smoothly and efficiently maintaining a high standard of organization and adherence to the schedule.



The mid exams for the UG Ist & III Semester were held from Nov 4-11-2024 to 7-11-2024. The examination cell and faculty members co-ordinate in conducting all exams smoothly & carefully.



The esteemed member of the legislative assembly (MLA) Dr. Kolikapudi. Srinivasa Rao graciously donated 12 bicycles to female student of Govt.Degree College, Tiruvuru o Nov, 23, 2024. At the inauguration ceremony of the newly constructed building held at the college recently a few hostel students approached him & requested for bicycles. They explained the difficulty they faced in walking the two- and- a half kilometers distance from their hostel to the college. In response to their concerns, the MLA kindly fulfilled their request and presented 12 bicycles as promised. The college, principal Dr.M. Suseela Rao, staff & students expressed their heartfelt gratitude for his generosity and encouragement deeply appreciating his thoughtful support.



Dr.Y.Vijayananda Raju, lecturer in Telugu, has been appointed as a subject expert by the Andhra Pradesh Public Service Commission (APPSC) for the conduct of the vivavoce examination in the Telugu language. The examination was scheduled on 12-11-2024, at the commission's office. He has been requested to conduct the viva voce in accordance with the prescribed syllabus, under the supervision of APPSC, chairman. The APPSC supervise the overall conduct of the examination. The principal & staff of the college extended their congratulations to him for being selected to participate in this prestigious role.

J. Prodeep Kurner, I.R.S V- Contractor

Dr.Y.Vijayananda Raju, lecturer in Telugu has been selected as a subject expert for the board of studies inTelugu for undergraduate (UG) programs at Bangalore City University this prestigious appointment will be effective for a period of three years from 2024 to 2027. The college principal and faculty members extended their heartfelt congratulations to him on this significant achievement, recognizing his expertise and the honor of being selected for the Board of Studies (BOS) meeting.

		NGALURU Y UNIVERSITY		
Office of the Registrar, Central College Campus, Dr. B.R. Ambedkar Veedhi, Bengaluru – 560 001. PhNo.080-22131385, E-mail: registrar@bcu.ac.in				
CU/Bo	S/TELUGU/UG/2024-25	Date: 08.11.2024		
	NOTIFICATION			
Su Re	 b: Constitution of Board of Studies in TEL c) 1. Resolution of the Syndicate meeting c) 2. Approval of the Vice-Chancellor Date 	held on 18.09.2024		
	**** Pursuant to the resolution of the Syndicate ci			
es, the	ns of Section 33 of the Karnataka State following Board of Studies in TELUGU (I mmediate effect for a period of 3 years or un	JG) of Bengaluru City University		
1.	Prof. K. Asha Jyoti, Professor & Chairperson, Dept. of Telugu, , Bengaluru University, Jnana Bharathi, Bengaluru 560 056	Chairperson		
2.	Dr. N. Bheemanna, Associate Professor & Head, Dept. of Telugu, S.V. Arts & Science College, TTD, Tirupati Andhra Pradesh	Ext. Member		
3.	Dr. Konda Ravi, Associate Professor & Head, Dept. of Telugu, C.R. Reddy Autonomous College, Eluru – Andhr Pradesh,	Ext. Member		
4.	Dr. K. Srinivasulu, Associate Professor & Head, Dept. of Telugu, STSN Degree College, Kadiri – Ananthpur Dist. Andhra Pradesh	Ext. Member		
5.	Dr. Y. Vijayananda Raju, Associate Professor & Head, Dept. of Telugu, PB Siddartha College,	Member		

Dr.Y, Vijayananda Raju, lecturer in Telugu, and Dr.J.Sunitha Rani, lecturer in physics. Generously donateddress kits to the college volleyball team- Their thoughtful contribution was warmly appreciated by the principal, staff & students, who recognized their magnanimity and the encouragement they provided to the volleyball players team. Everyone recognized their generosity and the positive encouragement they extended to the players but also uplifted the morale of the entire college community.



A research article of Dr.Y.Vijayananda Raju, lecturer in Telugu, has been published in the International Journal of Academic research on Aadhana Pradhanalu, which holds the ISSN 2348-7666 and an impact factor of 6.023. The article appears in volume II, Issue,3, during the period of July to September,2024. The college principal, staff & students, expressed their admiration for his exceptional enthusiasm and dedication to research.

ernational Journal of Academic Research s work is licensed under a Creative Commons ribution 4.0 International License [CC BY 4.0] ISSN: 2348-7666: Impact Factor: 6.023 Homepage: https://www.ijar.org.in/ Volume-11. Issue-3. luly-Sep-2024 the Article ജದಾನೆ കുದಾನಾಲು Carbo and and 000 mg 66 6 Th. 345: 94410 8863 నమదు సంఘజీవి. ఆ సంమంలో జీవిం ంటే మానవునికి భాష అవసరం, ఆ ఇ న అభిప్రాయాలను, అలోచనలను, అనుభూతులను, ఆవేదనలను, అవేకాలను, ఇత మ. మానపుడు తన జీవిన గమునంలో సాంఘిక, రాజకీదు, సాంస్కృతిక భాగారిక, ఐ జాల వలన భిన్న జాతులతో. భిన్న పద్దాలతో. భిన్న భాషా వ్యవహర్తలతో కలిసి పదున ఇతర భాషలతో సంపర్యం పిర్బడుతుంది, దాసి వలన భాషల మధ్య ఆదాన భదా దానాలు – నిర్వచనాలు : అనగా గ్రోపాంచుట, వుచ్చుకొనుట అనీ; (పదానము అనగా (ప్రకృష్ణ దానము, గొప్ప యావి ర్యాలు, ఇతర ధాషల నుంచి పదజాలాన్ని ఎరువు (Loan) తెచ్చుకోవదాన్ని అదానమని (Berrow షలకు పదజాలాన్ని యివ్వదాన్ని (పదానమని (Lending) అంటారు. దానాలు జరగదానికి కారణాలు : "గోళిక సాన్నికాత్యం: ఒక థాష్ ప్రదేశన్ను అనుకుని మరాక థాష్ ప్రదేశము ఉంటే కు సన్నిపాత నంబంధం పిర్బదుతుంది. ఆ రారణంగా ఒక భా ఆ రెండు భాషల 7 షలోని పదాలు మ దేశానికి తమిళ, కర్మాటక, మహారాష్ట్రాలతో భాగోళిక సాన్నిహిత్యం ఉంది. అందువల్ల అం గాలు తెలుగులో (ప్రవేశించాయి. - 00 : జీయ కారణాలు : ఒక భాషా ప్రాంతాన్ని మరొక భాషా ప్రాంతం వారు జయించి రాజకీయాధికారాన్ని స్త్రాపించుకోవడం పాలక భాష పాలితుల భాషను ప్రభావితం చేస్తుంది. మధ్యయుగంలో మపామ్మదీయ పాలన వలన వేలికొడ్డి అంద్ర వదాలు తెలుగులోకి ంధాషమీద ప్రసరించింది. అంగ్రయుల పాలన వలన వేలకొడ్డి అంద్ర వదాలు తెలుగులోకి ంధాయు. అలాగే (పుంచి మరియు దచ్చి పదాలు కూడా ప్రవేరిందాయి. గు భాషమీద బ్రనరించింది. అంగ్రయుల రిందాయి. అలాగ్ (ఫ్రెంచ్ మరియు దచ్చ ఎమత కారణాలు : మత ప్రధారానికి భాష ప్రధాన సాధనం. ఒక భాషా ప్రా తమ మత ప్రధారం చేసుకునేటప్పుడు వారి యొక్క భాషా మ లు స్థానిక ధాషలలో (వవరిస్తాయి. https://doi.org/10.5281/zenodo.13983129

≥oiద చేశంలో ఆర్య మతం వ చలన పారశీక మరియు ఆరజ్ పం న అంద మరి ಯ ಪೌಧ್ಯಾಗಿಸು ವರ ు. (జైన్నవ మతం వ ు భాషలోకి ప్రవేశించ

() వాణిజ్య నంబంధాలు :

్లాలు సార్మా స్రాంతీయులతో మరొక భాషా ప్రాంతీయులు వాణిజ్య సంబంధాలు విర్భరచుకుంటే ఆ రెండు భాషల మధ్య ఆదాన ప్రదానాలు జరుగుతాయి. ఉదా : తెలుగులో గిద్ధంగి, గోదాము, బొప్పాయ, అనాన మొదలగు పోర్చుగీను పదాలు వాణిజ్యం వ

చంనవ.

(ఉ) వలనలు

ఒక ప్రదేశంలో నివసించిన ప్రజలు ఆర్థికంగా అభివృద్ధి చెందిన మరొక ప్రదేశానికి విద ర్యాపారాడుల నిమిత్రమో మరియు ఉపాధి నిమిత్రమో వలన వెళ్ళడం నహజము. అప్పుడు ఆ రెండ రాషల మధ్య ఆదాన ప్రదానాలు జరుగుతాయి. కిడా : తమిళులు, కన్నదిగులు, మహారాష్ట్రలు మన రాష్ట్రంలోనికి మన అండ్రులు ఇతర ప్రాంతాలు

Fresher's Day celebrations – 2024 Nov-2. The Fresher's Day celebrations at GDC, Tiruvuru were held with great enthusiasm on Nov, 2, 2024. The college premises were filled with a festive atmosphere as both new and old students gathered in celebrations. The event was presided over by the principal Dr.M.suseela Rao who emphasized the significance of the student phase in one's life. He noted that upon entering a degree program students are regarded as mentally mature individuals. He further discussed the importance of assessing key factors in every subject understanding the future and making plans for success. The principal also highlighted the college's rich history and infrastructure, and stressed the need for NAAC recognition. The vice principal Sri.Syed. Abubakar IQAC co-ordinator, Sri.D. Raghuram Parasad , Telugu lecturer, Dr.Y.Viajayananda Raju NSS unit officer. Dr.B. Veeraju highlighted the leadership qualities, potential and career prospects available to students, along with opportunities for higher education. During the event, Smt.R.Deepa, lecturer in English presented cash prizes to students who secured the top two positions in English semester end thanks and various cultural performances were organized by the students.





The 75th Constitution Day was celebrated by the Dept of political science on 26th Nov,2024. This day is observed to commemorate 75 years of the adoption of the Indian constitution during the event, the principal, Dr.M. Suseela Rao, highlighted the significant contribution of Dr. B.R.Ambedkar the chief architect of the Indian constitution, particularly in advocating for the rights of backward classes. He encouraged the students to draw inspiration from. Dr. Ambedkar's teaching Ravindra Babu lecturer in political sciences explained the theme of for constitution day 2024, which centered on the relationship the constitution and national unity. The vice principal, IQAC co-ordinator, faculty members and students participated in the program, contributing to its grand success.



Job mela:-26th Nov, 2024. A Job fair was orgained at GDC, Tiruvuru on 26th Nov, 2024, under the auspices of the District Employment generation Dept, AP Skill Development Agency DRDA and the SEED app to provide Job opportunities for unemployment youth. The district employment generation officer victor babu, district Skill Development Institute officer, and the college principal, Dr.M. Suseela Rao addressed the participants. They highlighted the participation of leading companies such as Axis Bank, Med Plus and Sudhir Timber Pvt.LtD which conducted interviews. A total of 37 candidates attended the interviews of which 18 were selected in the Job drive.





A Research Article of Dr.R.Praveen Dattu has been accepted in web of science Journal and will be published in January 2025. His paper on current trends, in fish vaccination will be published in web science journal of exp. Zool. India with ISSN0972-0030, volume -28, No.1. The college principal, staff & students expressed their admiration for his exceptional enthusiasm and zeal towards research work.



Key words : Aeromonas punctata, Aqua-farming, immunity, monovalent vaccines, vaccination.

How to cite : K. Sudhakar, R. Praveen Dathu and Yalla Poli Naidu (2025) Current trends, innovative advancements and future prospects of fish vaccination: Preventive and control strategies of vaccines against infectious diseases in Fish. J. Exp. Zool. India 28, 0000-0000, DOI: https://doi.org/10.51470/jez.2025.28.1.0000

K. Sudhakar et al

Although, intensive aquaculture is progressing in high scale industrial production, it is also open the doors for disease outbreaks including several viral, bacterial and parasitic pathogens. Fish are susceptible to a wide range of bacterial, viral, fungal and parasitic diseases and it is further enhanced by high density fish population in intensive culture practices. Fish health is strongly influenced by the quality of the aquatic environment. Early detection of diseases can head of the most common conditions, but as with humans, prevention is always better than cure. So, it requires effectual vaccination mechanism in order to avert importunate and emerging parasitic diseases in aquaculture field. When illness set in aquafarming operations antibiotics and chemotherapeutics were used to relieve symptoms and even disease prevention which leads to antibiotic resistance along with other side effects. To overcome these consequences, vaccination is emerging as a reliable and standardized method to induce immunity in host organism against viral and bacterial outbreaks. The ideal vaccine is expected to be safe, effective, economical, and easily administered. The fish vaccination industry continually publishes new information on fish immunology and vaccinology, contributing to the development of vaccine formulation and efficacy (Rathor and Swain, 2024). The initial experiments were done by *Sniescko et al* (1938) on protective immunity in carp which were previouly immunized with *Aeromonas panctata*. In the year 1942, after introduction of the *Aeromonas sulmonicida* vaccine in aqua-farming there is a rapid growth in vaccination. And after that, in 1976 the first fish vaccine approved by Department of Agriculture, United States, which is for

INTRODUCTION

2022; Velazquez-Meza *et al.* 2022). Aeromonas hydrophila is the most prevalent causative pathogen, many of the times which create outbreaks in aquaculture. Meanwhile, viruses like beta-nodavirus and iridovirus and bacteria including *Whrio vulnificus*. Cryptocaryon irritans are more commonly affect the marine cultured fish species and in recent times the emerging diseases of filapia lake virus (TiLV) outbreaks were reported to affect both wild (Stentiford *et al.* 2020) and cultured tilapia lake virus (TiLV) outbreaks were reported to affect both wild (Stentiford *et al.* 2020) and cultured spread (Gudding and Van Muiswinkel, 2013). A great economical loss occurring in the aquaculture practices due to disease causing microorganisms. However, at some level spread of these infectious agents could be controlled by using of brood stock from specific pathogen free (SPF) organisms, optimization in the feed, improved management practices like good quality sanitation (Grisez and Tan. 2007). In general, antibiotic drugs or chemotherapeutics are using for disease treatment. But, there are some clear drawbacks in such treatment including drug resistance issues and safety concerns (Sneeringer *et al.* 2019). Now a day, aquaculture farmers are aware of vaccination in mountactured productively and commercialized (Mohamed and Soliman, 2013). In earlier reports of Ma *et al.* (2019) and Mondal and Thomas (2022), they mentioned that the vaccination had turn into not only the most cost-effective but also sustainable approach of controlling numerous infectious fish diseases.

Vaccination plays a central role in large scale commercial aquaculture industry and has been a key Dr. N. ChandraBabu, lecturer in Botany was appointed as a member of the university squad responsible for inspecting examination centers at Tiruvuru. From 21 November to 30th Nov, 2024. This position involves ensuring that the examination centers comply with all necessary regulations, maintaining academic integrity, and addressing any issues that may arise during the examination process.



Dr. B. Veeraju, distinguished lecturer in Commerce delivered a guest lecturer on the topic "Social Media Abuse and Cyber Bullying". On Dec-30, 2024. During the session, he addressed the students of BA, B.Com, & BSC and emphasized the significant harm caused by cyber bullying, particularly in the context of sending messages on whatsapp and sharing personal information online. He stressed the importance of being vigilant and cautious when communicating through text messages and sharing content on social media platforms. His insightful talk underscored the need for individuals to safeguard their privacy and well- being in the digital age. He emphasized the importance of the government taking prompt and decisive measures to effectively regulate ethical hacking practices & combat the growing issue of cyber bullying, ensuring protection of individuals privacy and security in the digital world. The faculty and students actively participated in the program by engaging and discussing the potential consequences of online misconduct.

