LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)
(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)
2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

Academic Year 2025-26 – No. of Papers Published in Journals

Sl. No	Name of the Faculty	Name of the Journal	Title of the Paper	link
1	Dr. Manjusha T & Ms N Dhwani	Indian Journal of Science and Technology	Year-wise Longitudinal Comparative Analysis of Temperature Prediction Models for Hyderabad (2017–2024)	https://sciresol.s3.us-east-2.amazonaws.com/IJST/Articles/2025/Issue-27/IJST-2025-559.pdf
2	Dr. Manjusha T	Proceedings of the Fifth International Conference on Advances in Computer Engineering and Communication Systems	Assessing Anemia Prevalence Among Women: A Comprehensive Analysis Using Machine Learning Approaches with the NFHS-5 Dataset	https://link.springer.com/chapter/10.1007/978-981-96-4410-0_6
3	Dr Rama Devi	Journal of Solution Chemistry (2025) 54:1149–1181	Thermodynamic and Spectroscopic Studies on Binary Liquid Mixtures of Glycerol and Isomeric Butanols at (293.15–318.15) K	https://link.springer.com/article/10.1007/s10953-025-01467-y
4	Dr J Usha	INTI JOURNAL | Vol.2025, Issue 2, No.3 eISSN:2600-7320	Embedding Concepts of Sustainable Development in Environmental Education	https://iuojs.intimal.edu.my/index.php/intijournal/article/view/682
5	Ms. Jayanthi and Dr J Usha	Journal of Molecular Science	Purification and Characterization of Red-Pigment from Serratia nematodiphila Isolated from Soil and Evaluation of Its Antifungal Efficacy	https://jmolecularsci.com/uploadedArticles/Volume-35/Issue-4/147__New%20article%202.pdf
6	Ms. Anupreethi and Ms. Pannaga	Indian Knowledge System: Studies and Applications in Commerce and Management,	Leadership Lessons from the Ramayana & Mahabharata	https://www.rppublications.com/

PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

		Edition: First, R. P. Publications, New Delhi, 978-93-91580-37-7		
7	Ms. Amena Khatoon	RESEARCH MATRIX :2321-7073 | SJIF Impact Factor 8.428 Peer Reviewed & Refereed | International Multidisciplinary journal of applied research www.researchmatrix.org	Women Empowerment through Skill Development and Entrepreneurship: Implications for Youth Empowerment and Inclusive Growth in Viksit Bharat	https://drive.google.com/file/d/1Gg290yMWw4hI8HfJvmw6qgAdqAdcydBe/view
8	Ms. Amena Khatoon	International Journal of Advanced and Applied Research www.ijaar.co.in ISSN–2347-7075 Impact Factor—8.141 Peer-Reviewed Bi-Monthly Vol. 7, No. 9	Entrepreneurship, Startups, up & MSMEs: Catalysts for Inclusive Growth, Economic Development, and Employment Generation in India	https://drive.google.com/file/d/1vYSvIwTWN-TcFZ4sWel_RmnIFqIXFyrK/view?usp=drive_link
9	Dr. T Swapna	International Journal of Modelling and Simulation	Analyzing the effects of temperature-dependent properties and chemical concentration on magneto-micropolar fluid past a stretching surface with PST and PHF heating conditions	https://www.tandfonline.com/doi/abs/10.1080/02286203.2025.2564985

PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)
(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)
2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

Dr. Manjusha T & Ms N Dhwani

INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY

ORIGINAL ARTICLE

Year-wise Longitudinal Comparative Analysis of Temperature Prediction Models for Hyderabad (2017–2024)

N Dhwani[1,2], P Pranay[1*], V V Haragopal[3], T Manjusha[2]

1 Chaitanya (Deemed to be University), Warangal, Telangana, India
2 Little Flower Degree College, Uppal, Hyderabad, Telangana, India
3 Department of Mathematics, BITS, Hyderabad, Telangana, India

OPEN ACCESS
Received: 28/03/2025
Accepted: 10/06/2025
Published: 13/07/2025

Citation: Dhwani N, Pranay P, Haragopal VV, Manjusha T (2025) Year-wise Longitudinal Comparative Analysis of Temperature Prediction Models for Hyderabad (2017–2024). Indian Journal of Science and Technology 18(27): 2179-2184. https://doi.org/10.17485/IJST/v18i27.559

* **Corresponding author.**
pettempranay@gmail.com

Funding: None

Competing Interests: None

Published By Indian Society for Education and Environment (iSee)

ISSN
Print: 0974-6846
Electronic: 0974-5645

Abstract

Objective: The study aims to compare and analyze temperature forecasting models for Hyderabad from 2017 to 2024 in the context of modeling long-term accuracy and the influence of critical meteorological conditions on temperature. **Methods:** Past meteorological data, including temperature, humidity, solar radiation, wind speed, and precipitation, were analyzed. Five models for predicting were applied: Multiple Linear Regression, Decision Tree Regression, Random Forest Regression, Artificial Neural Networks (ANN), and Long Short-Term Memory (LSTM) Neural Networks. A chi-squared test determined the connections between temperature and qualitative meteorological features. The performance of models was evaluated based on R^2, Mean Squared Error (MSE), and Root Mean Squared Error (RMSE). **Findings:** Maximum and minimum temperatures had strong and persistent correlations with mean temperature throughout all years, whereas the effect of humidity decreased significantly in 2024. Between models, Multiple Linear Regression presented the best accuracy (R^2 = 0.989, RMSE = 0.4246) in 2024, closely followed by Random Forest. Decision Tree and ANN models had mid-level performance, whereas LSTM had poor performance with negative R^2 values for some years. These findings emphasize the strength of linear models and the weakness of deep learning for this data. **Novelty:** Through its comparative analysis spanning several years, this study presents revealing insights into the resilience of regression models, the drawbacks of deep learning, and the need for adaptive forecasting techniques in urban climate modeling.

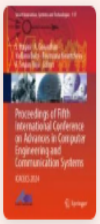
PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)
(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)
2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile 7673960152
E-mail littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

Assessing Anemia Prevalence Among Women: A Comprehensive Analysis Using Machine Learning Approaches with the NFHS-5 Dataset

Conference paper | First Online: 01 October 2025
pp 59–69 | Cite this conference paper



Proceedings of Fifth International Conference on Advances in Computer Engineering and Communication...
(ICACECS 2024)

Manjusha Tippavajhula, P. Pranay, A. Rajini & Raju Kommarajula

Part of the book series: Smart Innovation, Systems and Technologies ((SIST,volume 117))

Included in the following conference series:
International Conference on Advances in Computer Engineering and Communication Systems

Abstract

Anemia, characterized by low hemoglobin levels, poses a substantial health risk among women aged 15–49 years. This research employs multinomial logistic regression to explore the correlation between independent variables and distinct categorical levels of anemia. The study aims to refine the model iteratively while identifying significant predictors influencing anemia levels. The analysis demonstrates an overall model accuracy of 77.9%, indicating the model's ability to classify individuals into their respective anemia levels. Notably, it excels at predicting moderate anemia (83.1%). However, the model encounters

Jayanthi
PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

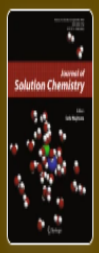
LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)
(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)
2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

Dr Rama Devi

Thermodynamic and Spectroscopic Studies on Binary Liquid Mixtures of Glycerol and Isomeric Butanols at (293.15–318.15) K

Published: 06 July 2025
Volume 54, pages 1149–1181, (2025) Cite this article



Mandala Ramadevi, Siddoju Kavitha, Jagadeesh Kumar Ega, Bolloju Satheesh & Tangeda Savitha Jyostna

Abstract

In the present study, the density (ρ) and dynamic viscosity (η) of binary liquid mixtures such as glycerol (GLY) + isomers of butanol (1-butanol (1-BU), 2-butanol (2-BU), and tert-butanol (T-BU)) were experimentally measured as a function of glycerol mole fraction at T = (293.15 to 318.15) K and a pressure of 0.1 MPa. Using these experimental data, the deviation in viscosity ($\Delta\eta$), molar volume (V_m), excess molar volume (V_m^E), apparent molar volumes ($V_{m,\phi,1}$ and $V_{m,\phi,2}$), partial molar volumes ($\overline{V}_{m,1}$ and $\overline{V}_{m,2}$), and excess partial molar volumes ($\overline{V}^E_{m,1}$ and $\overline{V}^E_{m,2}$) values were calculated. The observed V_m^E and $\Delta\eta$ results were associated with the Redlich–Kister (R-K) model. Further, the V_m^E values were interpreted using the Prigogine–Flory–Patterson (PFP) model. The obtained V_m^E showed a negative deviation, and $\Delta\eta$ showed a positive deviation over the entire composition range of glycerol. The derived parameters in binary mixtures are affected by H-bonding. Moreover, the development of new H-bonding interactions between unlike molecules was further

Jayanthi
PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)
(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)
2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

Dr J Usha

Dr. J .Usha

Embedding Concepts of Sustainable Development in Environmental Education

J. Usha Rani
Little Flower Degree College, Uppal, Hyderabad, India

Swati Kumari
Little Flower Degree College, Uppal, Hyderabad, India

Aditi Singh
Little Flower Degree College, Uppal, Hyderabad, India

B. Siva Prasad
Administrative Staff College of India, Hyderabad, India

DOI: https://doi.org/10.61453/INTIj.202515

Keywords: Sustainable development, Environmental education, Sustainable development goals, Teaching methods

Vol.2025_15

Published
2025-06-05

How to Cite
Rani, J. U., Kumari, S., Singh, A., & Prasad, B. S. (2025). Embedding Concepts of Sustainable Development in Environmental Education. *INTI Journal*, *2025*(2), 1-8. https://doi.org/10.61453/INTIj.202515

More Citation Formats

Issue
Vol. 2025 No. 2: INTI Journal

Section
Articles

Abstract

Humans evolved in the realm of nature. During evolution, anthropogenic activities led to an imbalance of natural ecosystems thereby causing environmental disasters. An increase in population, rapid industrialization, urban development, and changes in food consumption patterns are major drivers of environmental degradation. Though these are inevitable as a part of development, the nexus of environmental degradation and economic growth are directly linked with the conservation of various environmental compartments including soil, water, air, and biodiversity. Hence, sustainable development is considered the ultimate goal of the interrelationship of Man and the environment. In this context, environmental education is the need of the hour in educating society about the rational use of natural resources and the importance of Sustainable Development. To build a responsible society, the idea of including environmental education in the broader scope of education for development is imperative. Therefore, to assess the importance of environmental education for sustainable development, a perspective on Sustainable Development Goals (SDGs) from college students is attempted. The major objective of the paper was to assess the sensitization and

PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)
(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)
2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

Ms. Jayanthi and Dr J Usha

Journal of Molecular Science

Journal of Molecular Science
Volume 35 Issue 4, Year of Publication 2025, Page 1301-1307
DoI-10.004687/1000-9035.2025.173

Journal of Molecular Science
www.jmolecularsci.com ISSN:1000-9035

Purification and Characterization of Red-Pigment from *Serratia nematodiphila* Isolated from Soil and Evaluation of Its Antifungal Efficacy

Jayanthi Pothireddy[1&2], J. Usha Rani[2], Indraganti Sai Jayasri[1], Devara Manasa[1], Srilekha. V[1]*
[1]Department of Biotechnology, Chaitanya (Deemed to be University), Himayathnagar (V), Moinabad (M), Ranga Reddy (D), Telangana, 500075, India.
[2]Department of Life Sciences, Little Flower Degree College, Uppal, Hyderabad, Telangana, India.

Article Information
Received: 27-10-2025
Revised: 10-11-2025
Accepted: 29-11-2025
Published: 15-12-2025

Keywords
Prodigiosin, Aspergillus flavus, Fusarium oxysporum, antifungal activity, Serratia nematodiphila.

ABSTRACT

Microbial pigments are increasingly valued for their biological activities and eco-friendly nature. Among them, *Serratia* species are known producers of bioactive compounds, including prodigiosin. Prodigiosin is a secondary metabolite of *Serratia nematodiphila*. This study aimed to purify and characterize the red pigment produced by *Serratia nematodiphila* and evaluate its antimicrobial potential. Taxonomic identification was confirmed by 16S rRNA sequencing. Pigment identity was validated using UV–Vis, FTIR, and ^{1}H NMR spectroscopy, supported by chromatographic purification. The red-coloured eluent is collected in six fractions. Thin-layer chromatography (TLC) is used to monitor the fractions and confirm the presence and purity of the prodigiosin. The third fraction absorption maximum of prodigiosin was found to be 535nm in UV- VIS study, and FTIR analysis revealed that the functional group of prodigiosin is well matched with prior studies N–H stretch (3431 cm^{-1}), C–H stretch (2923 cm^{-1}), C=O stretch (1734 cm^{-1}), C–N stretch (1026 cm^{-1}) functional groups. The LC-MS analysis confirmed that prodigiosin was present, eluted with a molecular ion peak at m/z 324.2 ([M+H]+). Prodigiosin exhibited notable antifungal activity against selected pathogenic fungi when evaluated by the agar well diffusion method. At a concentration of 1 mg/mL, the pigment produced an inhibition zone of 11 mm against *Aspergillus flavus* (NFCCI 384) and a comparatively higher inhibition zone of 21.5 mm against *Fusarium oxysporum* (NFCCI 708). Although the standard antifungal agent nystatin showed stronger inhibitory effects, prodigiosin pigment demonstrated appreciable antifungal potential. These results indicate that prodigiosin pigment produced by *Serratia nematodiphila* possesses promising antifungal properties and may serve as a natural bioactive metabolite with potential applications in the agriculture

Jayanthi
PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)
(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)
2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

Ms. Amena Khatoon

RESEARCH MATRIX :2321-7073 | SJIF Impact Factor 8.428
Peer Reviewed & Refereed | International Multidisciplinary journal of applied research
www.researchmatrix.org

WOMEN EMPOWERMENT THROUGH SKILL DEVELOPMENT AND ENTREPRENEURSHIP: IMPLICATIONS FOR YOUTH EMPOWERMENT AND INCLUSIVE GROWTH IN VIKSIT BHARAT

MRS. AMENA KHATOON

ASST. PROFESSOR, DEPARTMENT OF COMMERCE

LITTLE FLOWER DEGREE COLLEGE, UPPAL, HYDERABAD

AND

MS. UMEMA SULTANA

STUDENT, B.COM HONS., VEERANARI CHAKILI ILLAMMA WOMEN'S UNIVERSITY, HYDERABAD

Abstract:

Empowering Women is a key factor in our Viksit Bharat Vision and thus plays a vital role in the development of India's Economy, Society, and Nation. This paper looks at the role that Skill Development and Entrepreneurship play in Empowering Women and Creating Economic Opportunities for Youth.

The research relies upon Secondary Data derived from various Government reports, Policy documents, Academic Journals and Published Studies and Articles on Women

2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

International Journal of Advance and Applied Research
www.ijaar.co.in
ISSN – 2347-7075 Impact Factor – 8.141
Peer Reviewed Bi-Monthly
Vol. 7 No. 9 January – February - 2026

Entrepreneurship, Start-ups, and MSMEs: Catalysts for Inclusive Growth, Economic Development, and Employment Generation in India

Amena Khatoon
Asst. Professor, Department of Commerce, Little Flower Degree College, Uppal, Hyderabad
Corresponding Author – Amena Khatoon
DOI - 10.5281/zenodo.18507292

Abstract:

Within a developing nation, India, entrepreneurship, start-up businesses, and micro, small, and medium enterprises play an integral role in creating a robust economic society while providing significant levels of employment. Aligning with India's long-term plan of achieving Viksit Bharat, the importance of entrepreneurship, start-ups, and MSMEs as engines for growth, innovation, and socio-economic transformation continues to be recognised. Entrepreneurial activities encourage innovative thinking and promote new ideas, while startup firms offer scalable technology-based business solutions. Meanwhile, MSMEs provide industrial output, export revenues, and regional balance.

This paper will examine the contribution of entrepreneurship, start-up business, and MSMEs to India's economic growth and job creation and the challenges facing each category. In addition, this research paper will analyse the Government's Policy Frameworks and their effectiveness in developing the entrepreneurial ecosystem. The Research methodology used will be descriptive and analytical; data will be drawn from secondary sources including the Government Reports; Policy Documents; National Surveys; Academic Publications.

In a Study, the study reported that entrepreneurship, start-ups and MSMEs have consumed a large amount of computing, creating new jobs, particularly for young people and women, and have supported innovation and inclusive growth. In fact, MSMEs have been able to absorb a large labor force due to their labor-intensive nature, especially in rural and semi-urban areas (Mohamed 2009). Startups have been able to produce greater productivity and develop technologies through innovation-led business models. On the other hand, the study identified some of the persistent challenges, such as lack of access to finance, regulatory complexities, lack of infrastructure, skills mismatch, and non-recoverable digital infrastructure.

The study concludes that despite the Government of India (GOI) creating a supportive environment for the development of enterprises, additional strengthening of policy is needed. In order to maintain growth, there must be an increased level of access to finance/credit, support for specific skill development, simpler regulatory requirements. Access to physical (digital and physical) infrastructure to maintain an entrepreneurial ecosystem. Therefore, the development of the Entrepreneurial Infrastructure will contribute to producing jobs, providing inclusive economic growth, and developing & achieving a Viksit Bharat.

Keywords: Entrepreneurship – Startups – MSME – Employment Generation – Economic Growth

PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)
(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)
2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

DR. T. Swapna

PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)
(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)
2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039
Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

Accredited by NAAC with "A" Grade

Academic Year 2025-26: No. of Patents Filed

Sl.no	NAME OF THE FACULTY	TITLE OF THE INVENTION	Date of Publication
1	Ms. B. Sudha Reddy Ms. Thane Savariappa	A RFID-BASED LIBRARY INVENTORY TRACKING SYSTEM	27-06-2025
2	Ms Anupreethi	Behavioral Snapshot Evaluation System Based on Time -Stamped Peer and Self-Logged Journaling	19-12-2025

PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

LITTLE FLOWER DEGREE COLLEGE

(Affiliated to Osmania University)

(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)

2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039

Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

12) PATENT APPLICATION PUBLICATION

19) INDIA

22) Date of filing of Application :13/06/2025

(21) Application No.202541056788 A

(43) Publication Date : 27/06/2025

54) Title of the invention : A RFID-BASED LIBRARY INVENTORY TRACKING SYSTEM

(51) International classification	:G06Q0010087000, G06Q0010080000, G06K0017000000, G06K0007100000, G08B0013240000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

1)B. Sudha Reddy

Address of Applicant :Librarian, Library and Information Science, Little Flower Degree College, 2-18-25, Opp- Survey of India, Uppal, Medchal-Malkajgiri District New, Hyderabad, Ranga Reddy District-Telangana, India ---------- ----------

2)Ms. Thane Savariappa

3)B. Geetha

Name of Applicant : NA

Address of Applicant : NA

(72)**Name of Inventor :**

1)B. Sudha Reddy

Address of Applicant :Librarian, Library and Information Science, Little Flower Degree College, 2-18-25, Opp- Survey of India, Uppal, Medchal- Malkajgiri District New, Hyderabad, Ranga Reddy District-Telangana, India ---------- ---------- --

2)Ms. Thane Savariappa

Address of Applicant :Asst. Professor, Political Science, Little Flower Degree College, Uppal, 2-18-25, opposite Survey of India, uppal, medchal - Malkajgiri district New Hyderabad, RR District- Telangana, India ---------- ----------

3)B. Geetha

Address of Applicant :Librarian, Department of Library, St. Francis College for Women, Begumpet, Street No.6, Uma Nagar, Begumpet, Hyderabad, Telangana, India - 500016 ---------- ----------

(57) Abstract :

The present invention relates to a RFID-based library inventory tracking system. Further, the invention relates to a library inventory tracking system utilizing RFID technology, comprising passive RFID tags (101) affixed to library items, RFID readers (102) for wireless detection, a central database (103) for real-time inventory data, and a user interface (104) for management. The system advances existing knowledge by enabling non-line-of-sight, bulk scanning of items, improving efficiency over barcode systems. Its principal use is for accurate, real-time tracking of library materials, facilitating check-in/check-out, inventory audits, and anti-theft measures.

No. of Pages : 11 No. of Claims : 4

Jayanthi
PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010

LITTLE FLOWER DEGREE COLLEGE
(Affiliated to Osmania University)

(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)

2-18-25, Opp. Survey of India,
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))
Hyderabad - 500 039

Mobile : 7673960152
E-mail : littleflowercollege@gmail.com
Website : www.lfdc.edu.in

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202541117281 A

(19) INDIA

(22) Date of filing of Application :26/11/2025

(43) Publication Date : 19/12/2025

(54) Title of the invention : BEHAVIORAL SNAPSHOT EVALUATION SYSTEM BASED ON TIME-STAMPED PEER AND SELF-LOGGED JOURNALING

(51) International classification	:H04L 41/085, H04L 41/0894, H04L 41/0869, H04L 41/0873, H04L 41/0895	(71)**Name of Applicant :** **1)SR UNIVERSITY** Address of Applicant :ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, INDIA Warangal Telangana India (72)**Name of Inventor :** **1)R. ANUPREETHI** **2)GURUNADHAM GOLI** **3)RACHORU HIMANI SRIHITA**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	: :01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed herein is a behavioral snapshot evaluation system (100) for employee performance assessment comprising a user interface (102) integrated into a user device (104) configured to receive time-stamped self-entries from employees and co-worker feedback data, a communication network (106) configured to transmit data between all system components, a processing unit (108) connected to the user device (104) via the communication network (106) comprising multiple specialized modules including input module (110), data preprocessing module (112), peer feedback module (114), contextual tagging module (116), role-based evaluation template module (118), cycle management module (120), bias reduction module (122), performance analysis module (124), and output module (126) configured to generate comprehensive performance assessments. The system (100) includes a database (128) for storing journal entries, peer feedback data, contextual tags, and evaluation templates, enabling continuous, transparent, and bias-resistant employee performance monitoring through structured micro-journaling and multi-dimensional assessment capabilities.

No. of Pages : 30 No. of Claims : 10

PRINCIPAL
Little Flower Degree College
Uppal, Medchal Dist-500039.
College Code : 2010