



# JMJ



## COLLEGE FOR WOMEN

(AUTONOMOUS), TENALI - 522 202

Affiliated to Acharya Nagarjuna University



Rev. Fr. MATHIAS WOLFF S.J.  
FOUNDER - SOCIETY OF JMJ

**J.M.J. COLLEGE FOR WOMEN**  
Estd. 1963 (AUTONOMOUS) TENALI



**College Magazine**

2019-2020

Ph : 08644 227994, 225994, 225997.



**Dr. Sr. MARY GLOWREY, M.D.**  
**SERVANT OF GOD**  
**(1887 - 1957)**

Founder  
**JMJ HEALTH CARE INSTITUTIONS**

**Rev. Sr. STANISLAUS**  
**SWAMIKANNU PILLAI**  
**(1887 - 1975)**

Architect  
**JMJ EDUCATIONAL APOSTOLATES**



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**Dr. Sr. THERESAMMA GADE**  
**CORRESPONDENT**



**Dr. Sr. SHINY K.P**  
**PRINCIPAL**



**Rev. Sr. MARIA.D**  
**VICE -PRINCIPAL**



**College Management**



**Teaching Staff**



**Non Teaching Staff**



**Governing Body**



**College Inaugural Day**



**Sports Committee**



**Placements**



**PG Students**



**NSS**



**NCC**



**MAGAZINE COMMITTEE**



**IQAC**



**INTERMEDIATE MPC**



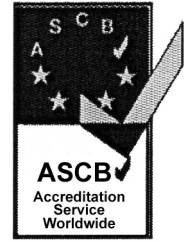
**INTERMEDIATE CEC**



**INTERMEDIATE Bi.PC**



**1st - P.G Students**



ISO Certificate No.  
Q9186414992

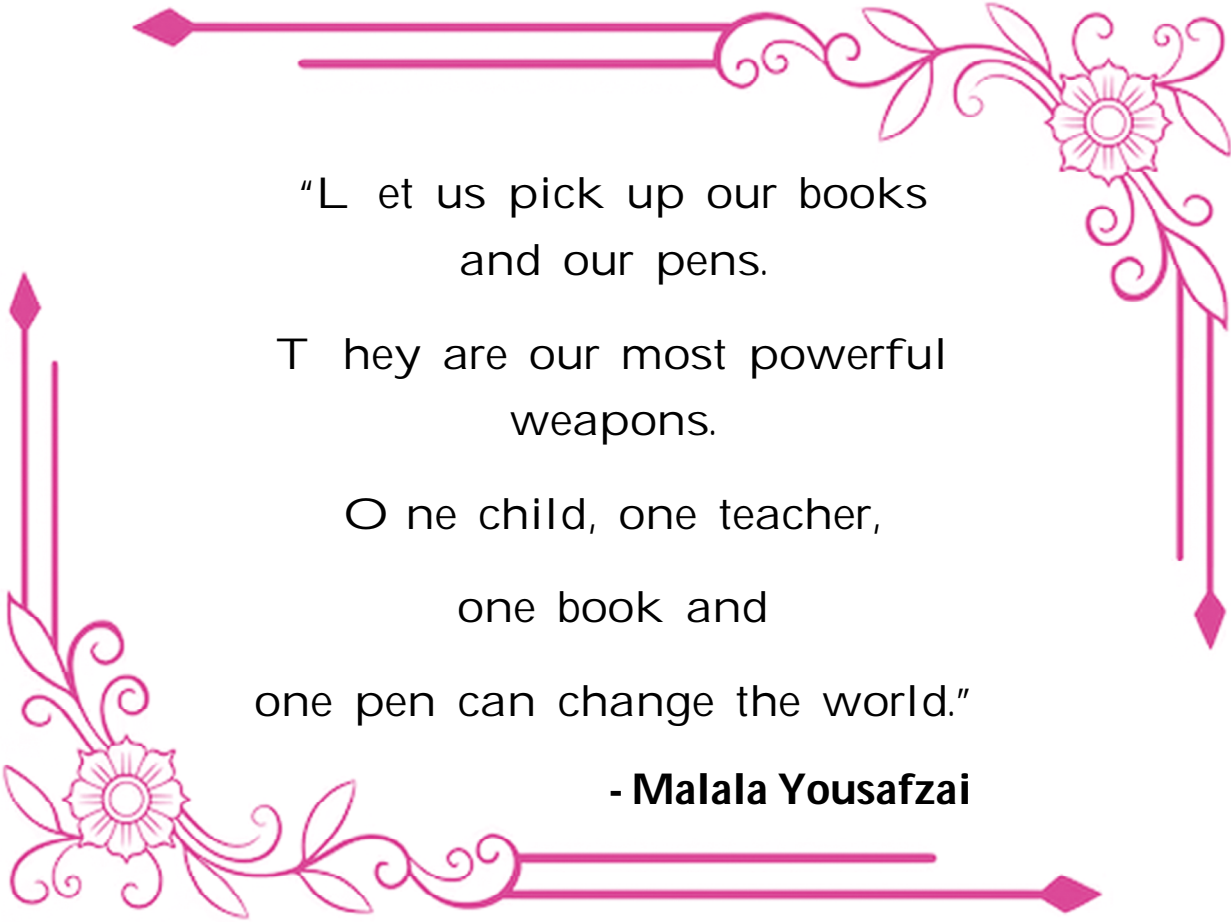
# JMJ COLLEGE FOR WOMEN (AUTONOMOUS), TENALI - 522 202

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“Let us pick up our books  
and our pens.

They are our most powerful  
weapons.

One child, one teacher,  
one book and  
one pen can change the world.”

**- Malala Yousafzai**





## VISION

To educate, enrich and empower the young girls to achieve academic excellence, spiritual growth and noble principles of life, to become integrated women force to lead home and society.



## MISSION

*JMJ Higher Education aims to promote the intellectual development of the rural youth who are socially and economically backward, and enable them to serve the society. The institution aims at enhancing the levels of competence, commitment and compassion to prepare the students as dynamic leaders and global citizens.*

## **Editorial Board**

**Dr. Sr. Shiny K.P.**

Principal

**Sr. D. Mariyamma**

Vice Principal

Chief Editor

**Dr. P.M. Padmalatha**

Sub-Editor

**Ms. T. Sireesha**

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**Ms. G. Mary Stella**

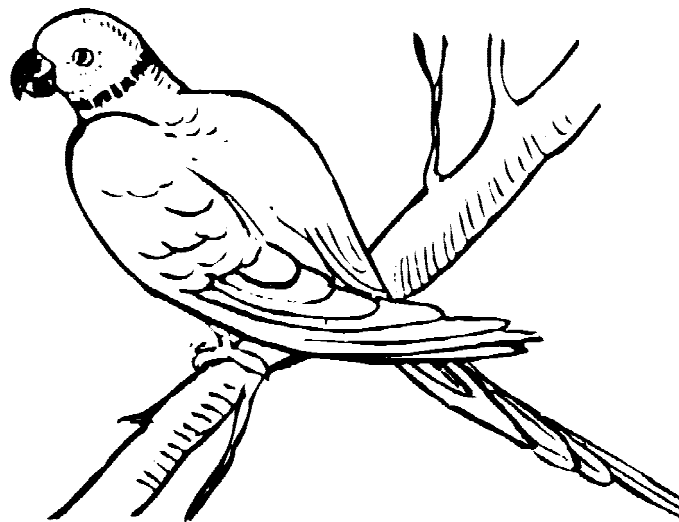
## EDITORS-IN-CHIEF ADDRESS

The academic year 2019-20 was a time of growth and exploration, both for our college and our dedicated students. The year was marked by new opportunities, exciting challenges, and the unfaltering commitment of our community. Our college magazine for this year reflects the incredible journey we embarked on together, highlighting the moments of joy, success, and the resilience that became our guiding light. It is a testament to the collective strength and determination that we displayed in the face of adversity, and we invite you to join us in revisiting the pages of 2019-20.

**Dr. P. M. Padmalatha**

Chief Editor

Department of Mathematics



## PRINCIPAL'S MESSAGE

“Education is the key to unlocking the world, a passport to freedom.”— Oprah Winfrey  
With profound gratitude and a deep sense of accomplishment, we reflect on the achievements of the academic year 2019-20, a testament to JMJ College unwavering dedication to imparting quality education over 57 years. Our institution stands as a beacon of knowledge and growth in the realm of higher learning.

In the spirit of excellence, we proudly secured the first place in the Best Library Award from ANU during its 43rd Foundation Day Celebrations. We were also honored with the Swachhta hi Seva 2019 Award by the Department of Rural Water Supply and Sanitation, Guntur, recognizing our dedication in conducting Swachhata activities and achieving Open-Defecation Free (ODF) status in and around Tenali as part of the Swachh Bharat Mission.

Acknowledging these milestones, we extend our heartfelt gratitude to cherished staff members who have gracefully retired from their dedicated service at JMJ College. Their unwavering support, commitment, and invaluable service have left an indelible mark on our institution. We extend our warmest wishes for their well-deserved retirement, which they embark on with our deepest appreciation.

In our relentless pursuit of offering quality education, we organized an orientation program for our teaching staff, emphasizing the importance of Quality Improvement and Sustenance in Higher Education. Moreover, our Internal Quality Assurance Cell (IQAC) played a pivotal role in enriching our academic environment by organizing a diverse range of National Seminars and Workshops.

Our commitment to outreach and extension activities continued to be a top priority for both our staff and students. These endeavors aim to enrich the lives of our students and create a positive impact on the community. Our students demonstrated their exceptional talents and earned recognition through numerous cultural competitions, while our college athletes showcased their prowess in various sports events.

At the core of our mission at JMJ College lies the goal to empower our students with knowledge and skills that enrich their lives and open doors to a brighter future. We remain steadfast in our commitment to nurturing the minds of our students, fostering their growth as responsible citizens and future leaders.

As we fondly look back on the achievements of the academic year 2019-20, we draw inspiration and motivation from our past to continue our journey of excellence in education. We take this opportunity to express our sincere appreciation to the editorial board for their dedication in bringing this magazine to life, encapsulating the essence of our institution.

We wish all our students a bright and prosperous future as they continue to pursue their dreams.

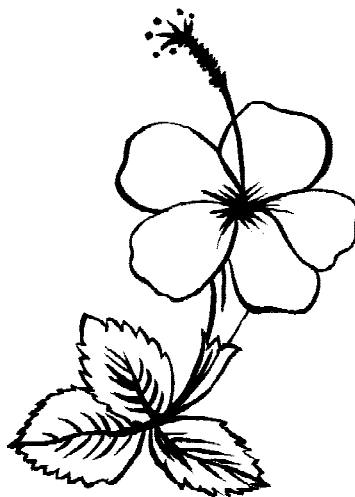
May their paths be illuminated with knowledge, and may they be the torchbearers of positive change in society.

With warm regards

**Dr. Sr. Shiny K.P.**

Principal,

JMJ College for Women (A), Tenali



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**PART - 1** : Annual Report

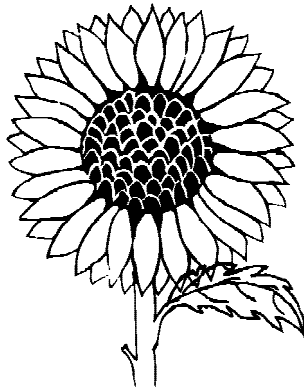
**PART - 2** : English Articles

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**PART - 4** : Hindi Articles

**PART - 5** : Photo-Gallery

JMJ in the News



## PART - I

### ANNUAL REPORT : 2019 - 2020

Good evening and a warm welcome to everyone present here to the **57<sup>th</sup> College Day** of JMJ College for Women (Autonomous), Tenali. It's a great honour for me to welcome our Chief Guest of the day **Prof.P.Rajasekhar, the Vice Chancellor** of Acharya Nagarjuna University, Guntur, Guests of Honour **Sri.K.Dinesh Kumar, IAS, Sub-Collector**, Divisional Magistrates, Tenali and **Smt.B.Vani Sree, our Alumnae, Spl.Judl.Magistrate** of 1 Class, Mobile Court- cum-IV Addl.Junior Civil Judge, Ongole, **Dr.Sr.Theresamma Gade.**, Correspondent, **Sr. D.Mariyamma**, Vice Principal, **Ms.G.Mary Stella, III B.Sc** Student Representative, Reverend Fathers and Sisters from various institutions, Deans of Arts & Science, members of the Governing Body, Academic Council, our JMJ faculty both Teaching and Non-teaching, parents, alumnae, benefactors, Administrators of Hostel, Global School, SWADHAR, our **Community Sisters**, members of the press and my dear students.

We thank God for His infinite blessings and for all the success that we have achieved in this academic year. JMJ stands as a milestone in imparting quality education for the past 57 years in the field of higher education.

I place on record my sincere gratitude to 5 of our beloved staff who have attained their superannuation in JMJ College. **Dr.G.Saraswathi Devi**, HOD, Physics on 31<sup>st</sup> July 2019 and **Ms.K.Nirguna HOD**, Chemistry on 30<sup>th</sup> November 2019, Supporting staff **Mr.J.Raja Rao**, Record Assistant on 30<sup>th</sup> June 2019, Ms.K.Anthony **Mary**, Record Assistant on 31<sup>st</sup> August 2019 and **Ms.G.Anthonamma**, Lab Attender on 31<sup>st</sup> December 2019. We express our heartfelt thanks to them for their unyielding support, commitment and service to the institution. We pray for their good health to enjoy the retired life.

**With deep gratitude to God, I would like to present the achievements of the academic year 2019-2020.** I thank both teaching and supporting staff for their devoted service which brought several credits to JMJ College and to fulfill the mission and vision of our college.

## INSTITUTIONAL ACHIEVEMENTS

- ★ The college has been reaccredited by National Assessment and Accreditation Council (NAAC) at B++ Grade Level with CGPA of 2.93/4.00 in the 4<sup>th</sup> Cycle on 3<sup>rd</sup>& 4<sup>th</sup> April 2019.
- ★ Secured first place in Best Library Award from ANU on its 43<sup>rd</sup> Foundation Day Celebrations on 11<sup>th</sup> September, 2019.
- ★ Received Swachhta hi **Seva 2019 Award** from the Department of Rural Water Supply and Sanitation, Guntur **for conducting** Swachhata activities and **making** Open-Defecation Free (**ODF**) under the Swachh Bharat Mission in and around Tenali **on 2<sup>nd</sup> October, 2019.**
- ★ Dr. Sr. Shiny. K.P, Principal received **Pratibha Puraskar Award 2020** from Smt.Taneti Vanitha Minister of Andhra Pradesh Women and Child Welfare Department for the Best Service to the women through education on the occasion of celebrating the Birth Anniversary of Savitribai Phule on 3<sup>rd</sup> January,2020 organized by KVR Educational Trust run by **Sri K.S. Lakshmana Rao**, MLC for Krishna-Guntur Graduates constituency.
- ★ Received ISO (**International Organization for Standardization**) **Certification 9001:2015** on 10<sup>th</sup> January, 2020 for providing quality education to Intermediate, UG and Post Graduate students.

- ★ Started **B.Voc (Bachelor of Vocational Degree Courses** namely **Software Development and Accounting & Taxation** approved by University Grants Commission (UGC) under National Skills Qualifications Framework (NSQF) in the academic year 2018-19 and continuing the courses this academic year which is initiated by the Ministry of Human Resource Development, Govt. of India and UGC in 2014.

## STAFF ACHIEVEMENTS

- ★ Dr. S. Sarala Devi, Lecturer in Telugu was awarded Doctorate Degree from Acharya Nagarjuna University on Dr.Chillara Bhavani Devi Kavithvam Vislashana on 2<sup>nd</sup> August, 2018.
- ★ Ms. N.Vimala Devi,HOD of English has submitted her Ph.D thesis
- ★ Ms.M.Aruna, HOD of Zoology has submitted her M.Phil thesis
- ★ Ms. K. Aruna Sujatha, Physical Directress and Ms. M. Vanaja, Lecturer in Commerce secured **I place in 47<sup>th</sup> AP Lecturers Badminton Tournament** organized by KITS Engineering College, Vinjanampadu, Guntur on 4<sup>th</sup>& 5<sup>th</sup> January 2020.

## COLLEGE EVENTS

- ★ The College was reopened on **10<sup>th</sup> June 2019** for all Inter, Degree and PG students after summer vacation.



- ★ An Orientation Programme was organized on **Self-Awareness and Personal Development** for the Non – Teaching staff by Fr. Antony S.J, from Nambur on 3<sup>rd</sup> June, 2019.
- ★ Organized an Orientation Programme for the Teaching staff on **Quality Improvement and Sustenance in Higher Education** by Dr.R.V.S.S.N Ravi Kumar, Associate Professor & IQAC Coordinator, ANU on 11<sup>th</sup> June, 2019.
- ★ Organized an Orientation Programme for the Teaching staff on **Research and Quality Publication** by Dr.M.Vishnu Prakash, Academic Officer, Commissionerate of Collegiate Education on 15<sup>th</sup> June, 2019.
- ★ Conducted **one week Student Induction Programme** for I Degree students from 17<sup>th</sup> to 22<sup>nd</sup> June, 2019.
- ★ Fact Finding Committee from ANU visited and inspected our College on 16<sup>th</sup> July, 2019 to renew the affiliation for all courses.
- ★ **College Inaugural Day was celebrated on 30<sup>th</sup> July, 2019.** The Chief Guest was Dr. Velaga Joshi, RJD, Guntur and the Guest of Honor was Sree B.Hari Krishna,CI, III Town Police Station, Tenali.
- ★ Organized a workshop for all the students on **Live Your Dreams** by Dr. Gagarin, IRTS, Bangalore on 5<sup>th</sup> July, 2019.
- ★ Organized a workshop on **Health Awareness** by Mr.V.Suresh, Manager for Ever Living Programmes, Guntur on 25<sup>th</sup> July, 2019.
- ★ **Teachers' Day was celebrated** on 5<sup>th</sup> September, 2019 and 60 Rose plants were planted in the College garden.
- ★ **Non –Teaching Staff Day** was celebrated on 6<sup>th</sup> September, 2019.
- ★ Celebrated **Silver Jubilee of Dr. Sr. Shiny K.P**, Principal on 31<sup>st</sup> August, 2019.
- ★ All departments conducted their respective **Boards of Studies** meetings
- ★ **Academic Council meeting** was held on 23<sup>rd</sup> September, 2019.
- ★ **Autonomous Governing Board meeting** was held on 4<sup>th</sup> October, 2019.
- ★ **Autonomous Review Expert Committee** visited our college on 14<sup>th</sup>& 15<sup>th</sup> October 2019 to evaluate the academic attainments of our college from the academic year 2012-2019 for extension of Autonomous status to our college.
- ★ Organized one day workshop on **Roll of Youth in Social Change** by Ms.T.Manjula Reddy, Widow Empowerment Programme, Warangal and Ms.E.Vasantha, Project Coordinator for all Degree students on 21<sup>st</sup> November 2019.

- ★ Organized one day Faculty Enrichment Programme on **Motivation & Improvement of Standards and Quality in Higher Education** by Dr.B.Ravi Sankar,Rtd.Professor from Calicut University, Calicut on 25<sup>th</sup> November 2019.
- ★ Organized one day workshop for the faculty on **Teaching & Learning with Google Classroom** by Dr.Ch.Tulasi Mastanamma, Principal, Govt.Degree College Guntur on 2<sup>nd</sup> January 2020.
- ★ Organized one day workshop for all Degree students on **Time Management and Soft Skills** by Ms.D.Vidyavathi, Rtd.Lect.in Physics, JMJ College for Women, Tenali on 2<sup>nd</sup> January 2020.
- ★ As per the directive from Ministry of Human Resource Development (MHRD), all Departments organized **Unnat Bharat Abhiyan** activities in adopted villages on 3<sup>rd</sup> January 2020.

## ACADEMIC PERFORMANCE OF OUR STUDENTS CURRICULUM

- ★ Academic freedom has empowered the college to frame excellent syllabi with innovative ideas to stimulate academic activities. We conduct a number of **Certificate and Skill Based courses** after college hours. This has made our curricula and our education system more career-oriented and goal focused.

## RESULTS

- ★ I now present to you our **results for examinations conducted in the academic year 2018-19**. Intermediate-70%,B.A – 89.5%, B.Com – 74%, B.Sc. – 83% and all PG Courses got 100%.
- ★ I congratulate the Vice Principal and all the faculty members of Intermediate, UG and PG sections on achieving good results. I thank the Controller of Examinations, the Additional Controller and their team for their meticulous work in bringing out the results on time.

## NEW APPOINTMENTS

- ★ Ms.G.VijayaLakshmi, Department of Physics, Ms.K.Sushma, Department of Chemistry, Ms.K.Deepika, Department of Zoology, Ms.A.Revathi, Ms.N.Devi Priya Ms.Kalpana, Department of Computer Science, Ms.K.Bhavani Devi, Department of Botany, Ms.R.Lavanya, Department of Economics were appointed in this academic year.

## RESEARCH AND PUBLICATION

### Papers Presented and Published by Staff

- ★ 29 Research papers were presented and 28 papers were published in this academic year by our faculty. The Department of English - 5, Department of Telugu – 3, Department of Mathematics –8, Department of Chemistry – 4, Department of Zoology – 4, Department of Humanities – 4. The

staff participated in 65 workshops and conferences this year.

### **Seminars/ Workshops/ Conferences attended by Staff - 65**

- ★ Department of English - 9, Department of Telugu – 3, Department of Mathematics – 12, Department of Physics - 4, Department of Chemistry – 12, Department of Botany – 5, Department of Zoology – 5, Department of Humanities - 8, Department of Commerce– 2, Department of Computer Science – 1, Department of Home Science -4,

**Many of our staff members shared their expertise as members of Board of Studies in other colleges.**

### **NATIONAL SEMINARS / WORKSHOPS ORGANIZED BY THE DEPARTMENTS**

- ★ The Department of English organized one day workshop on **Conceptualizing Effective Strategies to Develop Speaking skills** by Dr.P.Vijaya Babu, Assoc. Prof, Cambridge Center Exam Manager, Vignan University, Vadlamudi on 20<sup>th</sup> November 2019.
- ★ The Department of Chemistry organized one day National seminar on **Modern Applications of Chemistry in Engineering & Sciences** on 22<sup>nd</sup> November 2019.
- ★ The Department of Political Science organized two day National seminar on **Political Parties and Indian Democracy: Current Scenario of Regional Political Parties** on 27<sup>th</sup>& 28<sup>th</sup> November 2019.
- ★ The Departments of Physics & Zoology organized two day workshop for all faculty on **Intellectual Property Rights: Importance and Scope for Young Researchers and Students as a Career Option** by Dr.P.Veera Brahmachari, Asst.Prof.Krishan University, Machilipatnam on 3<sup>rd</sup>& 4<sup>th</sup> January 2020.
- ★ The Department of Physics organized a two day workshop on **Renewable Energy** by Dr.Ch.Vijaya Kumari, Lect.in Physics, SS&N College, Narasaraopet for all B.Sc Physics students on 6<sup>th</sup>& 7<sup>th</sup> January 2020.
- ★ The Department of Botany organized Three Day workshop on **Organic Farming and Sustainable Agriculture** for B.Sc CBZ students by Mr.Venu Madhav, HOD of Botany, SS&N College, Narasaraopet on 8<sup>th</sup> 9<sup>th</sup>&10<sup>th</sup> January 2020.
- ★ The Department of Zoology organized one day workshop on **Immunity Diversity and Antizens** for B.Sc CBZ students by Dr.K.Sudhakar, Asst Prof.Acharya Nagarjuna University on 23<sup>rd</sup> January 2020.

## OUTREACH PROGRAMMES

- ★ Contributed Rs.5000/- to the Indian Association for the Blind (IMB), Madurai on 19<sup>th</sup> September, 2019
- ★ Communal Harmony week was observed from 19<sup>th</sup> to 25<sup>th</sup> November 2019. An amount of Rs.5000/- was contributed for the welfare of Army and their families.
- ★ Observed Solidarity day on 23<sup>rd</sup> November 2019. The amount Rs.60,000/- was sent to educate the tribal children at Kondrumutla.
- ★ Contributed Rs.9092/- for the Little Sisters of the poor, Numbur on 13<sup>th</sup> December 2019 for the abandoned aged people.
- ★ Distributed clothes, fruits and meals to the people in Govt. Hospital Asryaward, slums and homeless who are staying near bus stand, Tenali on 21<sup>st</sup> December, 2019.

## EXTENSION ACTIVITIES

- ★ The Department of Computer Science conducted **School Activity** at ZPH School, Pedaravuru on 25<sup>th</sup> July, 2019.
- ★ The Department of Zoology conducted **Tree Plantation Drive** at Sundaraiah Nagar Colony, Tenali on 30<sup>th</sup> August, 2019.
- ★ The Department of History & Economics conducted a **School Activity** at ZPH

School, Sangamjagarlamudi on 6<sup>th</sup> September, 2019.

- ★ The Department of Mathematics conducted a **School Activity** at ZPH School, Angalakuduru on 7<sup>th</sup> September, 2019. PG students enlightened 8<sup>th</sup> & 9<sup>th</sup> Class students on Triangles.
- ★ The Department of Political Science conducted School Activity at Government Tribal Welfare School, Tenali on 9<sup>th</sup> September, 2019.
- ★ The Department of Physics along with Physics Club members conducted a School Activity for the 9<sup>th</sup> class students of VSR&JDM ZPH School, Angalakuduru on 7<sup>th</sup> September, 2019
- ★ The Department of Botany conducted **Tree Plantation Drive** at Sundaraiah Nagar Colony, Tenali on 12<sup>th</sup> September, 2019.
- ★ III B.Sc Home Science students participated in a **Rally on National Nutrition** month programme organized by ICDS Project, Tenali on 13<sup>th</sup> September, 2019.
- ★ The Department of Botany conducted a school activity for the 10<sup>th</sup> class students of VSR&JDM ZP High School, Angalakuduru on 28<sup>th</sup> November 2019.
- ★ The Department of Home Science visited Sri Rama Krishna Manohar old age home, Tenali on 5<sup>th</sup> December 2019.
- ★ The Department of Telugu organized a village activity at Koppalle on 3<sup>rd</sup> January 2020.

## FIELD TRIPS

DEPARTMENT	PLACE	DATE
Zoology	Poultry forms at Kopalle and Gudivada Bird Sanctuary at Uppalapadu Fish Breeding Centers at Kuchipudi and Pedaravuru	11 <sup>th</sup> July 2019, 22 <sup>nd</sup> July, 2019 22 <sup>nd</sup> August, 2019
Telugu, English	Dwaraka Tirumala and Rajahmundry	4 <sup>th</sup> January 2020
Home Science	Book Fair, Vijayawada Horticulture and Flower Show, Siddhartha Hotel Management College, Vijayawada	5 <sup>th</sup> January 2020
Economics	Amaravathi, Kondaveedu and Phirangipuram	10 <sup>th</sup> January 2020
English	Book Fair, Vijayawada	11 <sup>th</sup> January 2020

### CELEBRATION OF UNIQUE DAYS

- ★ The Department of Chemistry and NSS volunteers observed **Environmental Day** on 14<sup>th</sup> June, 2019. The Guest of the day was Dr. B. V. Ramana, Municipal Health Officer, Tenali.
- ★ **International Yoga day** was organized by NSS & NCC committees on 21<sup>st</sup> June, 2019. Mr. K. Kumaraswami, Advocate, Tenali was the Chief Guest of the day
- ★ Celebrated Birth Anniversary of **Dr. Sr. Mary Glowry** on 22<sup>nd</sup> June, 2019.
- ★ The Department of Commerce celebrated **73<sup>rd</sup> Independence Day** on 15<sup>th</sup> August, 2019.
- ★ The Department of Telugu celebrated **Vyavaharika Basha Dinosthavam** on 29<sup>th</sup> August, 2019.
- ★ The Department of Home Science celebrated **World Ozone day** by conducting an awareness programme on Reservation of Ozone Layer – Role of Youth on 16<sup>th</sup> September, 2019.
- ★ The Department of English observed **World Literacy Day** on 7<sup>th</sup> September, 2019
- ★ The Department of Hindi Celebrated **Hindi Basha Dinosthavam** on 11<sup>th</sup> September, 2019. On this occasion arranged a Guest Lecture on **Importance of Hindi Language** by Mrs. B. Anuradha, Rtd. Lecture in Hindi, Women's College, Guntur on 11<sup>th</sup> September, 2019.
- ★ The Department of Political Science celebrated **AP Formation Day** by conducting Elocution competition on Potti Sreeramulu - Life History for all degree students on 1<sup>st</sup> November 2019.
- ★ **Children's day** was celebrated on 14<sup>th</sup> November 2019.

- ★ The Department of Home Science observed **World Diabetes Day** at Angawadi Center, Yalavarru on 14<sup>th</sup> November 2019.
- ★ The Department of Botany celebrated **J.C.Bose birth day** on 30<sup>th</sup> November 2019.
- ★ NSS, NCC, Red Ribbon Club & Youth Red Cross volunteers observed **World AIDS Day** on 2<sup>nd</sup> December 2019.
- ★ The Department of Political Science celebrated **Amarajeevi Potti Sriramulu Jayanthi** on 13<sup>th</sup> December 2019.
- ★ **Semi Christmas** was celebrated on 17<sup>th</sup> December 2019.
- ★ The Department of Home Science celebrated **Sankranti Sambaralu** on 13<sup>th</sup> January 2020.
- ★ for Home Science students on 12<sup>th</sup> July, 2019
- ★ The Department of Physics organized a Guest lecture on **Solar Energy Conversion Strategies** by Dr. K. Ankamma Rao, HOD Physics, VSR&NVR College, Tenali on 14<sup>th</sup> August 2019.
- ★ The Department of Commerce arranged a Guest lecture on **Consumer Protection Act 1986** by Mr. T. Vijaya Babu, Dept. of Commerce, KBN College, Vijayawada on 25<sup>th</sup> September, 2019.
- ★ The Department of Physics organized a guest lecture on **C.V.Raman and his Contributions** by Dr.B.Walter Ranta Kumar, Lecturer in Physics, PBN College Nidubrolu on 13<sup>th</sup> December 2019.

## GUEST LECTURES ARRANGED BY THE DEPARTMENTS

- ★ The Department of Botany arranged a Guest lecture on **Embryology of Angiosperm** by Dr. Ramesh Babu, HOD Botany, KBN College, Vijayawada on 7<sup>th</sup> June, 2019.
- ★ The Department of Chemistry organized a Guest lecture on **Control of Noise Pollution in Cities and Towns of Andhra Pradesh** on 11<sup>th</sup> July, 2019. The resource person was Dr. Udaysingh Gowtham, Programme Manager, A.P
- ★ The Department of Home Science organized a Guest lecture on **Plastic Free Life** by Ms.M.Usha Rani, Alumnae
- ★ The Department of Zoology arranged a guest lecture on **Fish Diseases** by Dr.K. Daniel, HOD of Zoology, JKC College, Guntur for III B.Sc CBZ students on 22<sup>nd</sup> January 2020.

## ENDOWMENT LECTURES

- ★ The Department of Mathematics organized an Endowment Lecture on **Basic Mathematics** in loving memory of Rev. Sr. Mary Thomas, Former Correspondent on 4<sup>th</sup> September, 2019. The Resource person was Dr.G.V.Bhaskar Rao, HOD, Mathematics, Govt. College for Women, Guntur.
- ★ The Department of Physics organized an Endowment Lecture on **Innovative**

**Physics** in Commemoration of late. Sr. Mercy Chacko, Former Principal of JMJ College for Women (A), Tenali on 4<sup>th</sup> September, 2019. The resource person was Dr.P.B.Sandhya Sree, HOD Physics, KBN College ,Vijayawada

- ★ The Department of Chemistry organized an Endowment Lecture on **Thermo Dynamics** by Dr.Salman Babu, HOD of Chemistry, A.C College, Guntur on 16<sup>th</sup> December 2019.
- ★ The Department of Zoology arranged an Endowment Lecture on **Classification and Brief Description of Various Types of Hypersensitivity** by Dr.K.Bhanu Prakash, Asst.Prof.Department of Zoology KRK Govt.Degree College, Addanki on 28<sup>th</sup> December 2019.
- ★ The Department of Botany organized an Endowment Lecture on **Medicinal Plants used by Tribals** by Mr.Siva Prasad, Lecturer in Botany, Venkateswara Degree College, Tenali on 7<sup>th</sup> January 2020.
- ★ The Department of English organized an Endowment Lecture by Mr.D.Nageswara Reddy **Aptitude & Reasoning Ability Trainer**, St.Marys College of Engineering, Chebrolu on 23<sup>rd</sup> January 2020.

## DEPARTMENT WISE ACTIVITIES

### Department of English

- ★ Organized a competition on **Recitation of Poems** for I Degree students on 7<sup>th</sup> August, 2019.

- ★ Visited **Swadhar Home** an orphanage at Angalakuduru along with I, II& III B.A Spl. English students on 14<sup>th</sup> November 2019.

### Department of Telugu

- ★ Visited **Seetharamamma Old Age Home** at Angalakuduru and distributed sweets on 22<sup>nd</sup> August, 2019.
- ★ Conducted games competition for V class students on the occasion of Children's Day on 14<sup>th</sup> November 2019.
- ★ Organized **District level student seminar** on the topic **VARADU Natakam** on 3<sup>rd</sup> December 2019.

### Department of Mathematics

- ★ III. B.Sc students listened to Mana TV Telecast educational programme on **Ring Theory** by Dr.Girish Kumar, Govt. Degree College, Srikakulam on 16<sup>th</sup> August, 2019.
- ★ Conducted Poster presentation competition on **Time Management** for Inter & Degree students on 15<sup>th</sup> December 2019.

### Department of Chemistry

- ★ Conducted an Essay writing competition on **Control of Noise Pollution** for Degree & PG students on 11<sup>th</sup> July, 2019.

### Department of Physics

- ★ Organized student seminar on **Quality Development and Leadership of Students in Higher Education** on 25<sup>th</sup>

November 2019. The resource person was Prof.B.Ravi Sankar Babu ,Rtd.Prof and Head ,Department of Nuclear Physics, University of Calicut. Calicut.

- ★ Organized a paper presentation competition for Degree students on **Time Management** on 7<sup>th</sup> December 2019.

### Department of Botany

- ★ Identified the Flora as a part of Flora identification in the college campus on 29<sup>th</sup> June, 2019.
- ★ Conducted **Tree plantation Drive** at Sundaraiah Nagar Colony, Tenali on 30<sup>th</sup> August, 2019.
- ★ Conducted **Elocution Competition on Time Management** for Inter & Degree students on 27<sup>th</sup> November 2019.

### Department of Zoology

- ★ Conducted an **Essay writing** competition on **Time Management** for Degree students on 3<sup>rd</sup> August, 2019
- ★ II Degree students listened to the presentation through Mana TV Telecast educational programme on **Sex Determination, Extra Chromosomal Inheritance and Shrimp culture, Types of Culture i.e Monoculture, Polyculture and Integrated culture** on 19<sup>th</sup> September, 2019.
- ★ Conducted **Elocution Competition on Time Management** for Inter & Degree students on 27<sup>th</sup> November 2019.

### Department of Home Science

Guru Poornima was celebrated on 16<sup>th</sup> July, 2019.

- ★ Inaugurated World Breast Feeding week on 1<sup>st</sup> August, 2019. Ms. Suchitra, Extension Supervisor, ICDS enlightened III B.Sc Home Science students on Empower Parents- Enable Breast Feeding.
- ★ Organized **Valedictory of Breast Feeding Week** on 7<sup>th</sup> August, 2019.
- ★ Ms. P. Hemalatha, HOD, Home Science was invited as Guest speaker for Breast Feeding Week Celebration organized by ICDS Project at NGO Kalyana Mandapam, Tenali on 6<sup>th</sup> August ,2019

### Department of History

- ★ Conducted **Elocution Competition** for all B.A students on the eve of Alluri Seetharama Raju Jayanthi on 4<sup>th</sup> July, 2019.

### Department of Economics

- ★ Conducted **Quiz competition on Environmental Protection** for BA students on 8<sup>th</sup> July 2019.
- ★ Conducted an **Essay Writing Competition on Agriculture** for the B.A students on 3<sup>rd</sup> November 2019.
- ★ Conducted an **Essay Writing Competition on Formation of Constitution** for Degree students on 26<sup>th</sup> November 2019.



## Department of Politics

- ★ Conducted an **Elocution Competition** for all B.A students on **Bal Gangadhar Tilak's Life History** on the occasion of Bal Gangadhar Tilak's Jayanthi on 23<sup>rd</sup> July, 2019.
- ★ Conducted an **Essay Writing Competition** on Fundamental Rights for B.A students on 23<sup>rd</sup> November 2019.

## Department of Computer Science

- ★ Conducted a **Test on Programming Skills** for II Degree Computer students on 22<sup>nd</sup> August, 2019.
- ★ On the occasion of **National Education Day** conducted **PPT competition** on Importance of Education for all Degree students on 11<sup>th</sup> November 2019.
- ★ Conducted **objective Test on Programming Skills** like C,C++,Java for Degree computer students on 5<sup>th</sup> December 2019.

## COMMITTEE ACTIVITIES

### IQAC

- ★ The Internal Quality Assurance Cell (IQAC) will organize a **two day National workshop on Quality Apprenticeship to Enhance the Competences and Employability of the Youth** on 31<sup>st</sup> January & 1<sup>st</sup> February, 2020.

### Cultural Committee

- ★ G.Durga Bhavani III B.Sc secured 1<sup>st</sup> Prize in Essay writing competition and

Sk.Asma I B.Sc got 2<sup>nd</sup> prize in Spot Painting Competition conducted by Rama Krishna Seva Samithi, Bapatla from 23<sup>rd</sup> to 27<sup>th</sup> August, 2019.

- ★ On the occasion of 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi, our students participated in various competitions organized by Hindu College of Engineering & Technology, Guntur. V.Pavitra I.B.A Spl. English got 2<sup>nd</sup> prize in Elocution and M.Triveni, I B.Sc Home Science got 3<sup>rd</sup> Prize in Painting on 29<sup>th</sup> September, 2019.
- ★ J.Pranusha, I B.A, got 1<sup>st</sup> place in Telugu elocution and I.Immi Grace got 1<sup>st</sup> place in Playing Guitar in Myraid competitions held at Tenali Rama Krishna Kavi Kalaskhetram, Tenali organized by STEP on 2<sup>nd</sup> November 2019.
- ★ Our students won 1<sup>st</sup> place in skit and group singing on the **Life History of Dr.Sr.Mary Glowrey** and 3<sup>rd</sup> place in solo singing in Inter Collegiate Competitions held at St.Joseph's College of Education for Women, Guntur organized by the Education Sector of Guntur Province on 30<sup>th</sup> November 2019.
- ★ Our students' bagged **1<sup>st</sup> place in Installation and III place in Classical Singing** in Inter Collegiate Youth Festival organized by Acharya Nagarjuna University from 30<sup>th</sup> November to 2<sup>nd</sup> December 2019.They also participated in **National Level Youth Festival competition** organized by Alagappa University, Chennai.

- ★ K.Sindhu I B.Sc,CBZ got 1<sup>st</sup> place in **Essay Writing** and V.Pavithra I B.A,Spl English got 1<sup>st</sup> place in **Elocution Competition in National Youth Day 2020**, organized by the Department of Youth Sciences at JKC College, Guntur on 6<sup>th</sup> January 2020.

### Placement Cell

I am glad to inform you that we have good **Placement and Campus Recruitment**. **74%** of our students secured placements in reputed companies.

- ★ **JKC Training Programme** was started for Final Degree students on 15<sup>th</sup> April and continued up to July 2019.
- ★ Nine students were selected in **TCS Company Campus Drive** held at Universal College of Engineering and Law, Guntur on 11<sup>th</sup> September, 2019.
- ★ Organized a workshop on **Add-on Apprenticeship Programme** by Prof.S.Ganesan, Head Education Initiations Logistics Sector Skill Council and Prof.Gayathri Harihara Subramanyam, Logistics Sector Skill Council on 14<sup>th</sup> November 2019.
- ★ 52 students were selected in a **Campus Drive conducted by ILM**, Bangalore on 23<sup>rd</sup> November 2019.
- ★ Ch.Blessy Evangline,III B.Com Computer was selected in **Infosys BPMLimited Bangalore** in campus drive at ASN Degree College ,Tenali on 3<sup>rd</sup> December 2019.

- ★ Arranged a Guest Lecture on **Campus Recruitment Training Programme** by Mr.Ch.Pavan Kumar,Asst Manager ,Seventh Sense Talent Solutions Bangalore on 7<sup>th</sup> December, 2019.

- ★ In collaboration with **APSSDC conducted Entrepreneurship Awareness Programme** for all B.Com students on 10<sup>th</sup> December 2019.

- ★ G.Mary Stella III B.Sc MP Computer was selected in **Infosys Bangalore Campus Drive** conducted by KITS Engineering College, Guntur on 16<sup>th</sup> December 2019.

- ★ 150 students were got selected in **Raising Star Mobile India Pvt Ltd**. and 90 students were selected in **Hero Motocrop Ltd** on the campus drive on 11<sup>th</sup> January 2020.

### Research Committee

- ★ Organized a Guest Lecture on Research Awareness for Degree & PG students by Prof.Stayaben Jena, Director-Academics –KIIT, Bhuvanewar on 21<sup>st</sup> November 2019.
- ★ Ms.K.Geetha Bhavani, Convenor demonstrated the working principle of UV Spectro Photo Meter for III.B.Sc Cluster students in the month of January 2020.

### Youth Red Cross

- ★ YRC Volunteers distributed books and B-complex capsules for the children of Municipal School, Sharaf Bazar, Tenali on 20<sup>th</sup> July, 2019.
- ★ Ms.P.Hemalatha Convenor, Youth Red Cross Wing acted as Resource Person

for World Breast Feeding Week Celebrations organized by ICDS with the collaboration of Red Cross Society at NGO Kalyana Mandapam, Tenali on 7<sup>th</sup> August, 2019.

## Women Empowerment Cell

- ★ Conducted **International Day against Drug Abuse and Illicit Trafficking** on 29<sup>th</sup> June, 2019.
- ★ Organized **Nyaya Vignana Sadassu** by Smt. Geetha First Class Magistrate and Mr. D. Sreedhar, President, Tenali BAR Association on 24<sup>th</sup> August, 2019.
- ★ Conducted 15 days **Self Defense Training Programme** for all the students after college hours from 1<sup>st</sup> to 15<sup>th</sup> December 2019.

## Heritage Club

- ★ Conducted quiz competition on **Indian Heritage & Culture** for all Degree students 5<sup>th</sup> December, 2019.

## NCC

The NCC Unit of the College has several accomplishments to their credit.

- ★ NCC Cadets participated in Ranarang Chowk celebrations at Tenali on 12<sup>th</sup> August, 2019.
- ★ Arranged a Guest Lecture on **Swachh Bharat** by NCC Office staff on 17<sup>th</sup> September, 2019.
- ★ 23 NCC Cadets participated in CATC-V Camp at Reddy College, Guntur from 26<sup>th</sup> July to 4<sup>th</sup> August, 2019.

★ 2 Cadets participated in IDC Camp at Secretariat, Vijayawada from 7<sup>th</sup> to 16<sup>th</sup> August, 2019.

★ One cadet participated in CATC-VI Camp at Bhramanapuram, Ananthapur from 10<sup>th</sup> to 19<sup>th</sup> August, 2019.

★ One cadet participated in Army Attached Camp at Secunderabad from 16<sup>th</sup> to 26<sup>th</sup> September, 2019.

★ 13 cadets participated in CATC-VII Camp at PACE Institution of Technology and Science, Ongole from 4<sup>th</sup> to 13<sup>th</sup> October, 2019.

★ 35 cadets participated in one day workshop on **Work for the Healthy India** by Capt. K. Venkat, ANO on 7<sup>th</sup> December 2019.

★ 30 cadets participated in a **Medical Camp organized by Sarada Service Society** on 2<sup>nd</sup> January 2020.

★ 2 cadets participated in **Ek Bharat Shreshtha Bharat camp** at ANU from 7<sup>th</sup> to 18<sup>th</sup> January 2020.

★ 60 cadets participated in **Swachhtha hi Seva Programme** at Market Area, Tenali. 70 cadets cleaned Dumping Yards and Parks under the supervision of Mr. Niramal Singh PI staff, from 10 Girls Battalion on 9<sup>th</sup> January 2020.

★ **E. Eswari participated in Republic Day Celebration** at Vizag from 19<sup>th</sup> to 28<sup>th</sup> January 2020.

## NSS

★ Organized **Free Eye Camp** by Sree Nayana Eye Hospital, Vijayawada on 3<sup>rd</sup> & 4<sup>th</sup> July, 2019.

- ★ As per the directive of MHRD observed **Fit India Movement** on 29<sup>th</sup> August , 2019
- ★ Organized **Tree Plantation Drive** in the College Campus on 5<sup>th</sup> September, 2019
- ★ Celebrated **NSS Golden Jubilee on 24<sup>th</sup> September, 2019.** Ms.K.Nirguna, HoD Chemistry highlighted the Importance of NSS Volunteers and their service to the society.
- ★ Celebrated 150<sup>th</sup>**Birth Anniversary of Mahatma Gandhi.** Organized a Rally on Plastic Waste Free Campaign on 2<sup>nd</sup> October, 2019.
- ★ Conducted **Swachh Sarvekshan programme** in collaboration with Tenali Municipal Corporation in our college campus on 13<sup>th</sup> November 2019.
- ★ Organized **Tree plantation Drive** in collaboration with Nehru Yuva Kendra, Tenali on 18<sup>th</sup> November 2019.
- ★ Celebrated **World AIDS Day** and exhibited Poster Presentation and Essay Writing competitions for Degree Students on 30<sup>th</sup> November 2019.
- ★ NSS Volunteers **donated blood at Mega Blood Donation Camp** at ANU on 4<sup>th</sup> December 2019.
- ★ Organized **Blood Donation Camp** in our college campus on 2<sup>nd</sup> January 2020.
- ★ NSS Volunteers observed **National Voters Day** on 24<sup>th</sup> January, 2020 to bring awareness among the public.

## Games & Sports

Our college students have excelled in various Sports events and have become University Representatives in various tournaments at the State and National Levels.

- ★ G.Sravani, II B.A secured Gold Medal in 68 Kgs **Weight Lifting** and P.Ramya III B.A secured Silver Medal in 65 Kgs Weight Category in Under 23 Years Wrestling State Meet held at Adikavi Nannaya University, Kakinada from 10<sup>th</sup> to 13<sup>th</sup> September ,2019.
- ★ P Ramya III B.A got Gold Medal and V.Sailaja III B.A got Silver Medal in District **Weight Lifting Tournament** held at Kalakshetram, Pragada Kotaiah Nagar, Tenali on 18<sup>th</sup> August, 2019.
- ★ Our College **Kabaddi** Team secured 2<sup>nd</sup> Place in ANUIC Kabaddi Tournament held at Govt. College for Women, Guntur on 19<sup>th</sup>&20<sup>th</sup> September, 2019.
- ★ P.Ramya, III B.A & J.Pranayusha, I B.A were selected in ANU Team for Inter University Tournaments which will be held at VEL Tech University, Chennai from 3<sup>rd</sup> to 6<sup>th</sup> October, 2019.
- ★ College **Kho-Kho** Team got 3<sup>rd</sup> Place in ANUIC Kho –Kho Tournament held at Krishnaveni Degree College, Narasaraopet on 21<sup>st</sup>&22<sup>nd</sup> September, 2019.
- ★ Ch.Tanusha, II B.Sc was selected for the ANU Team for the Inter University Tournaments held at Dr.B.R.Ambedkar University, Srikakulam from 3<sup>rd</sup> to 5<sup>th</sup> October, 2019.

- ★ G.Sravani, II B.A in 68 Kgs Weight Category and P.Ramya III B.A, in 65 Kgs Weight Category were selected for All India Inter University Tournament held on 5<sup>th</sup> to 7<sup>th</sup> November 2019, at Haryana.
- ★ Ch.Tanusha, II B.Sc was qualified for All India Inter University Tournament.
- ★ On the occasion of Children's Day in collaboration with Ministry of Youth Affairs & Sports conducted **Volley Ball Tournament** on the eve of Nehru Yuva Kendra Foundation Day in our college on 14<sup>th</sup> November 2019.
- ★ P Koteswari III B.Sc, **secured 1<sup>st</sup> place in Senior Ball Badminton** state meet held at Anakapalli from 12<sup>th</sup> to 15<sup>th</sup> December 2019.
- ★ Our college secured Championship in weight lifting & Power lifting in ANUIC Weight lifting competition held at VTJM Mangalagiri on 26<sup>th</sup>& 27<sup>th</sup> November, 2019.
- ★ Our college **Hand Ball Team** secured III place in ANUIC Hand Ball Tournament organized by TRR Govt College, Kandukur on 1<sup>st</sup> December 2019.
- ★ P Ramya ,III B.A got bronze medal in **100 meters Run and Silver medal in long jump** in ANUIC Athletic Meet held at ANU from 4<sup>th</sup> to 6<sup>th</sup> December 2019.
- ★ Our college **secured 1<sup>st</sup> place in ANUIC Yoga competitions** organized by Arts & Science College Bapatla on 19<sup>th</sup> December 2019.
- ★ Our college team secured **II place in ANUIC Ball Badminton Tournament** organized by Dhanalakshmi College of Physical Education, A.Muppalla on 19<sup>th</sup>&20<sup>th</sup> December 2019. P.Koteswari III B.Sc, G.Preethi & B.Madhuri, III B.A were selected for All India Inter University Tournament.
- ★ P. Ramya, III B.A, got **1<sup>st</sup> place in Andhra Kabbaddi Association Tournaments** held at Narasaraopet from 13<sup>th</sup> to 15<sup>th</sup> December 2019.

### Faculty Forum

- ★ Organized a Faculty Forum Lecture on **Renewable Energy Resources** by Ms.K.Arunodaya, Dept. of Physics on 3<sup>rd</sup> August, 2019.
- ★ Organized a Faculty Forum Lecture on **Vedic Mathematics** by Ms. B. Bharathi, Dept. of Mathematics on 16<sup>th</sup> September, 2019
- ★ Ms .T.Ramakoteswari, Dept. of Zoology delivered a Faculty Forum Lecture on **DNA Finger Printing** on 12<sup>th</sup> November 2019.
- ★ Ms. M.Miriam, Dept.of Economics delivered a Faculty Forum Lecture on **What Makes a Good Teacher** on 11<sup>th</sup> December 2019.

### Parent Teacher Committee

- ★ Organized Parent Teacher meet for Degree students' parents on 7<sup>th</sup> December and for the Intermediate students' parents on 21<sup>st</sup> December 2019.

## Alumnae Committee

- ★ Visited Ashrayaward in Govt. Hospital, Tenali and distributed fruits to the inmates on 21<sup>st</sup> December 2019.

## Library Committee

- ★ Organized **National Library Week** from 14<sup>th</sup> to 21<sup>st</sup> November 2019. It was inaugurated by Dr .D. Rose Land, H.M, Z P High School, Angalakuduru.

## Hostel Activities

- ★ Various events like Fresher's Day, Talent Show, Hostel Day, Farewell Day and motivational and spiritual talks, retreats, recreation, games etc. are organized for the hostellers to bring out their talents and make them feel at home.

## CONCLUSION

- ★ I would like to place on record my sincere thanks to all those who have contributed towards making this year a successful year. A big thanks to IQAC and NAAC Coordinators Ms.M.Aruna, Dr.P.M.Padmalatha, IQAC members, Deans Dr.S.Uma Maheswari, Dr.G.Sudhakariah, Controller of Examinations Dr.Ch.Sarojini, Heads of the Departments, NCC Officer, NSS Programme Officer, the Director of Physical Education, various Committee members, all teaching and supporting staff, Student Representative, Student Council, College and Class leaders, NCC, NSS & AICUF volunteers and all the students for their devoted service and support to the institution.

- ★ I am grateful to the officials of University Grants Commission, NAAC, Acharya Nagarjuna University, Andhra Pradesh State Council of Higher Education, Commissionerate of Collegiate Education (CCE), RJD office members, Government of Andhra Pradesh, Sector Skill Council of India, Governing Body, Academic Council, Boards of Studies, and other statutory bodies for their guidance and encouragement.

- ★ I sincerely thank our **Provincial Superior Dr.Sr.Tresa K.**, members of the **Provincial Council**, our Correspondent **Dr.Sr.Theresamma Gade**, and Vice-Principal **Sr.D.Mariamamma**, all the Community Sisters, Print and Electronic Media, parents, alumnae, well wishers and benefactors who have stood by us in our every endeavour.

- ★ I whole heartedly thank **Ms. T. Sireesha and Mr. K. Ravi Babu** for preparing the Annual College Day report and the convener of the **Cultural Committee Ms. G. Jyothi Olivia, Ms. B. Mary Kumari** and other members and Committees who worked hard to make this event a remarkable one.

- ★ I appreciate and congratulate all the **prize winners, meritorious students and participants** for bringing success to JMJ College.

We strive forward with the blessings of the Lord to reach the new heights.

- **Dr. Sr. Shiny K.P**  
Principal

## **PART - II**

# **ARTICLES**

## **NET DRUGGED**

Social media is defined as a platform that helps one to connect with others simply through an access to, the Internet. In recent years, social media has become an important asset in a student's life. Teenagers enjoy themselves by using social media and their life now completely depends on it to interact with each other. Not only teenagers but also kids know how to operate mobile phones and social networking sites. This new generation has become the electronically addicted generation. Teenagers are easily amused by social networking sites due to its advancement. Nowadays, Facebook is the most popular social site amongst them. Hindustan Times, in a 2012 article, revealed that "India crossed the 100 million internet user mark". The HT survey exposed that 24% of the respondents used social media on a daily basis and 52% say that they have more than two profiles on one social site. There is a steep rise in the usage of social media by youngsters.

Observations conclude that the main purpose to use the social sites was to remain in contact but the results appear drastically adverse.

When people get addicted to these sites, they start living in the virtual world of social media and their physical contact with other people decreases to a great extent. Virtual reality market is growing at a fast pace. In the year 2014, the value of the market reached an amount of 90 million dollars. By 2018, the amount touched 5.2 billion dollars. Being so engrossed in the virtual world, most of us lack interaction and positive human connections with the society. It's as if people get lost in this virtual world. When away from their phones, people who were addicted, often, show withdrawal symptoms like addiction to drugs. They become violent, often depressed, and can also be suicidal at times. Not only this, stuck in the endless loop of this virtual world, people often experience cyber bullying, body shaming on photos, harassment, black mailing, misuse of personal data and what not? It is estimated that every day 4 people commit suicide due to cyber bullying. This is not a small number or a sweep away issue.

Some teenagers can be so addicted that they start describing their daily activities on social media sites. This addiction hinders their academic performance as these sites become more important than their education, family, peers and recreational activities. If used in a regulated way, social media can prove to be a boon and can have positive outcomes like making new friends, increasing interpersonal contacts and providing help for academic purposes. But, if used without a check they have devastating impacts on one's personal life.

**- Mrs. M. Aruna, HoD of Zoology**

## A BRIEF REVIEW ON SOIL ORGANIC CARBON

Soil Organic Carbon (SOC) is one of the most essential parameter in larger global carbon cycle that participating in the cycling of carbon through soil, vegetation, ocean and atmosphere. The soil organic carbon pool store an estimate of 1500 Penta grams of carbon in first meter of soil. One penta gram=  $10^{15}$  grams. It is more carbon content in the atmosphere and terrestrial vegetation together. This very large SOC reservoir is not fixed. But it is always constantly cycling between the different carbon pools in different molecular forms,

While Carbon dioxide and methane are the vital carbon based gases in the atmosphere, auto tropic organisms (plants), and chemoautotrophic microbes synthesize atmospheric Carbon dioxide. Dead organic material is incorporated into the soil by soil fauna which results carbon inputs into the soil through organic material transformation process by several microorganisms. This organic material transformation process leads to biogeochemical mixture of plants litter and microbial decomposition of products in different stages. It can be associated with soil minerals and enabling soil organic carbon continues to be in the soil for decades, continues to be centuries even millenniums. Carbon dioxide is emitted back into atmosphere from soil organic matter when it is decomposed by micro organisms. Carbon is partly exported from soils to rivers and oceans as dissolved organic carbon or partly due to erosion of soil,

The factors effects decomposition of organic matter in the soil are soil temperature water content of waste. The water content of waste greatly influence on the soil carbon storage through their influence on microbial activity. The composition of microbial community may have significant effect on the preferential decomposition of certain compounds. The global carbon content is determined by atmospheric carbon dioxide concentration and the uptake of carbon dioxide content by ocean and land.

Increasing SOC through various methods can improve soil health, agricultural health, agricultural yield, food security, water quality and reduces the need for chemicals. Approaches to increase SOC including reducing soil erosion, use of cover crops, nutrient management, applying manure and sludge, water harvesting and conservation and agro forestry practices. It is found that increase of SOC can increase crop yield.

Soil can be a double edged knife when it comes to carbon fluxes. Anthropogenic impacts on soil can turn it into either a net sink or net source of Green house gases. As a source, soil emits green house gases into the atmosphere where they trap thermal radiation that enhances green house effect and there by global warming. Another form of green house gas is nitrous oxide, the emission of this gas is due to anthropogenic activities. After the changes undertaken as part of green revolution, Crop yields increases for several decades, but there is abnormal increase in the use of Pesticides, herbicides, insecticides,



fertilizers etc. But agricultural yields have begun to drop in many places for a variety of reasons primarily attributed to degraded soils.

Industrial changes have led to many adverse effects like loss of biodiversity, elimination of beneficial microbes and insects, reduction in yield, Contamination of water bodies and soil. India's population has been growing fastly. We need to be able to grow more food in less land in severe weather conditions. The ability of soils to sequestration of carbon is one of the best practices to face the current adverse effects.

**Sequestration of Carbon :** SOC sequestration is the process by which carbon is fixed from the atmosphere through plants or organic residues and stored in soil. When dealing with carbon dioxide, SOC sequestration involves 3 stages

1. The removal of carbon dioxide through plants by photosynthesis.
2. Transfer of carbon from carbon dioxide to plant biomass.
3. Transfer of biomass to soil to soil where it is stored in the form of SOC in the most labile pool.

This pool is characterized by highest turnover rate (days to years) and the SOC is readily decomposed by soil fauna. When SOC sequestration comes to an end, soil stops to being a net carbon sink and become carbon source, This process is proved to be one of the best practices to face the current adverse effects facing by farmers

**- Y. Ramadevi,** Leture in the Department of Chemistry



## NOBEL PRIZE IN CHEMISTRY

According to the Royal Swedish Academy of Sciences, Carolyn R. Bertozzi of Stanford University in California, Morten Meldal of the University of Copenhagen in Denmark, and K. Barry Sharpless of Scripps Research in La Jolla, California, will share the Nobel Prize in Chemistry in 2022 “for the development of click chemistry and Bioorthogonal chemistry.”



### Carolyn Bertozzi Research Contribution

Carolyn R. Bertozzi who was awarded the Nobel Prize in Chemistry was born on 10 October 1966, in the USA, at the time of the award she was affiliated with Stanford University, Stanford, CA, USA; Howard Hughes Medical Institute, USA. Her Prize motivation is “for the development of click chemistry and Bioorthogonal chemistry”. Her Prize share is 1/3.



Chemists work to create compounds that are more and more complex. This has been incredibly time-consuming and expensive

for a very long time. The term “click chemistry” refers to the rapid and effective snapping together of molecular building components. Beginning in the year 2000, Carolyn Bertozzi began applying click chemistry to living things. She created Bioorthogonal reactions, which happen inside living things without messing with the cell’s regular chemistry. These reactions are now used to investigate cells, monitor biological processes, and enhance the cancer drug targeting.

### Morten Meldal Research Contribution

Morten Meldal who was awarded the Nobel Prize in Chemistry was born on 16 January 1954, in Denmark, at the time of the award he was affiliated with the University of Copenhagen, Copenhagen, Denmark. His Prize motivation is “for the development of click chemistry and Bioorthogonal chemistry”. His Prize share is 1/3.



Chemists work to create compounds that are more and more complex. This has been incredibly time-consuming and expensive for a very long time. The term “click chemistry” refers to the rapid and effective snapping together of molecular building components. The copper catalyzed azide-alkyne cycloaddition was an elegant and effective chemical process that Morten Meldal and Barry Sharpless separately developed in 2002. This is currently a common practice and is used to map DNA, produce novel materials, and develop medications.

### **Barry Sharpless Research Contribution**

K. Barry Sharpless who was awarded the Nobel Prize in Chemistry was Born on 28 April 1941, in Philadelphia, PA, USA, at the time of the award he was Affiliated with Scripps Research, La Jolla, CA, USA. His Prize motivation is “for the development of click chemistry and Bioorthogonal chemistry”. His Prize share is 1/3. He was also awarded The Nobel Prize in Chemistry in 2001.



Chemists work to create compounds that are more and more complex. This has been in credibly time-consuming and expensive for a very long time. The term “click chemistry,” in which molecular building blocks quickly and effectively come together, was first used by Barry Sharpless. The copper catalyzed azide-alkyne cycloaddition was a beautiful and effective chemical reaction that Sharpless and Morten Meldal independently created in 2002. This is currently a common practice and is used to map DNA, produce novel materials, and develop medications.

### **Scientific Background on the Nobel Prize in Chemistry 2022 Scientific Background of Click chemistry**

Making molecules and materials is an extremely difficult and intricate process. Not only do we need to be adept at joining the various components of compounds to create the actual links, but we also need to be able to regulate all the nuances of correctly joining atoms to create the desired results. Over the years, very inventive chemists have developed a plethora of techniques to successfully manufacture molecules of various types and figured out principles on how to manage the results. We are now at a position where we can create practically any structure we can envision or what ever we can find in nature because to this progress, which has allowed us to create as to undingly intricate structures with in credible accuracy.

### **Scientific Background of Bioorthogonal chemistry**

The term “Bioorthogonal” was first used by Bertozzi in the early 2000s in reference to chemo selective processes used in biological systems (also high lighted in the PhD

This is of George A. Lemieux, a graduate student in the Bertozzi group). Danielle H. Dube and Bertozzi may have more precisely defined the idea of Bioorthogonal chemistry as an emphasis on the previously discussed ideas of chemo selective ligation, orthogonal coupling, and native chemical ligation, with a focus on biology. Essentially, it should be possible for Bioorthogonal reactions to take place under physiological settings without affecting or interfering with any nearby biological processes.

“The reactions of functional groups that is so selective for each other that they can be ligated in a richly functionalized biological milieu.”

The term “orthogonal” in this context refers to the mutually exclusive reactivity of various protecting groups under particular deprotection circumstances as distinguished by studies on protecting group chemistry in peptide synthesis. Thus, a “orthogonal system” is defined as “a set of entirely independent classes of protective groups... where each class of groups can be removed in any sequence and in the presence of all other classes” by George Barany and R.B. Merrifield in 1977 (Nobel Prize in Chemistry 1984).

**- Mrs. P. Keerthana,**

Lecturer in the Department of Chemistry



## DISCIPLINE IS DOING WHAT NEEDS TO BE DONE, EVEN IF YOU DON'T WANT TO"

### QUALITIES OF A GOOD STUDENT

Historically the term student refers to anyone who learns something .However recent Definition of a student's is that anyone who attends school, college or University based on personal experience and research.

List down the Qualities of a good student

#### 1. Attitude:

Basically a good student should possess the abilities and willingness to learn new subject even the subjects are not interesting.

#### 2. Academic skills:

Acquiring academic skills is the most important Quality of a good student. Ability to read comprehensively to write effectively to speak fluently and to communicate clearly the key areas in which a good students must be proficient.



### 3. Ability:

A Good student should have to ability to apply the results of his or her learning to achieve the desired goals in a creative way.

### 4. Perceptiveness:

How well a student can interpret and perceive meaning from a conversation greatly determine the quality of a good student. A good student always perceives right meaning from conversation, but an average student often misunderstandings the original thoughts of a speaker or written and deliver a wrong conclusion.

### 5. Self discipline:

Discipline in managing the time is an important factor that every good student must possess often, delaying the tasks such as writings assignments, reading textbooks etc., many negatively impact the ability of a student to delivers the good.

### 6. Understands rather than memorizing concepts:

A lot of surveys suggest that students must understand the concept rather than just memorize them. The memorized facts and theories will stay in student's memory until they leave the school college or university .once out the students will totally forget the cave concept that they have learned .A good student always understands instead of memorizing the concepts.

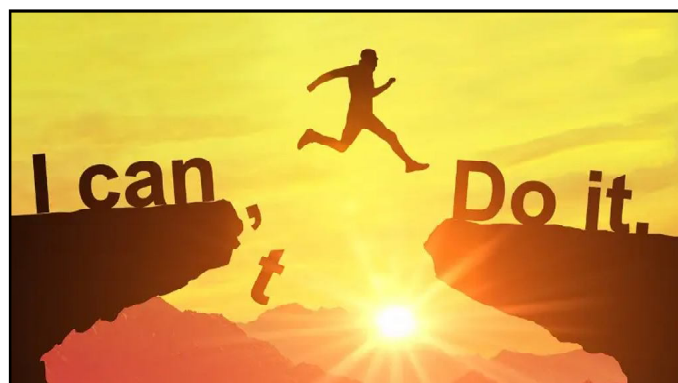
### 7. Behaviour:

A student should have to know how to behave with his/her teacher's parents and elders.

### 8. Asking Doubts:

A good students doesn't hesitate ask questions in order to clarify his/her doubts.

- **Dr. Miriyam**, HoD of Economics



## PHYSICS IN EVERYDAY LIFE

Physics deals with the things like matter, force, energy and motion. As these all are related to task related to everyday life, so, we can say that physics studies how the universe works, how Earth Moves around the sun, how lightning strikes, how our refrigerator works, how our phone battery works, how a musical instrument gives sound and many more. In short, physics define how everything works around us. We cannot separate anything from science and our world cannot disconnect itself from the wonders of Physics. When we look around us, we can see a number of things that work on the principles of Physics.

### **Waking-Alarm Clock**

Physics gets involved in your daily life right from you wake up in the morning. The buzzing sound of an alarm clock helps you wake up in the morning as per your schedule. Physics studies the origin, propagation, and properties of sound. It works on the concept of Quantum Mechanics.

### **Walking**

A number of principles of physics are involved in simple act of walking. It involves concepts of weight, Newton's three laws and potential and kinetic energy. you have a good grip without slipping because of a sort of roughness or resistance between the soles of your shoes and the surface of the road. This resistance, which is responsible for the grip, is called "Friction".

### **Cooking**

Heat is a form of energy that can be transferred from one medium to another. Heat travels from hot surface to cold surface. When we put pan, with water or something else in it, on burning stove the energy in flame of stove touches cold pan, it starts transferring heat to the pan thus making it hotter. The conduction and convection process of heat helps us to make food.

### **Steam Ironing**

The foremost principle of Physics used in the steam iron is "Heat." Heat, in Thermodynamics, is a type of energy transfer from a warmer substance to a colder one. Ironing works by having a heated metal base plate.

### **Writing**

When you write something, a Ball Point Pen is your weapon. You would not have able to write with a Ball Point Pen on a paper. In this case, the concept of gravity comes into play. As your pen moves across the paper, the ball turns and gravity forces the ink down onto the top of the ball where it is transferred onto the paper.

## Wearing-Car Seat Belts

Have you ever noticed that on which principle does your car seat-belt work? Well, it's again Physics. When you tighten your car seat-belt, it works on the concept of "Inertia." In case of a car collision, your seat-belt helps prevent your body from moving in a forward direction; as your body resists being stopped because of inertia of motion.

## Cutting

When we cut fruit and vegetable, we never realize that physics could be involved in this simple task, but, surely it is. In order to cut anything, we have to exert pressure on knife. When we increase the pressure we can cut an object easily. Pressure is dependent on force and area

## Seeing

Our eyes are an incredible gift by God. We see wonders of the world, by this small organ. The lens in our eyes is convex i.e it converges or focuses light. When light enters our eye, cornea and lens focus the light.

## Opening and closing

Physics is also involved in opening and closing of hinged doors. The phenomenon involved in opening and closing of door is torque. When we open a door by using the handle, we can easily open the door by producing torque. Torque is positive when we open the door clockwise and negative if we open it anticlockwise.

- **Dr. Mrs. Arunodaya**, Lecturer in the Department of Physics





## THE SIGNIFICANCE OF CELL PHONES IN A STUDENT'S LIFE

Mobile phones have become essential in the lives of young adults, serving as versatile tools for both academic and personal pursuits. These devices offer a wide range of features, including internet access, multimedia capabilities, communication options, and connectivity through Bluetooth. For students, cell phones provide numerous advantages, as outlined below:



**Access to Information:** Modern mobile phones grant students easy access to the internet, enabling them to find study materials and relevant information for their coursework.

**Peer Connectivity:** Students can stay in touch with peers, fostering group discussions, addressing academic concerns, and coordinating group study sessions.

**Note Exchange:** Cell phones facilitate the swift exchange of notes and academic content among students, promoting collaborative learning.

**Intellectual Exploration:** Mobile phones serve as platforms for students to engage in discussions on a wide range of subjects, broadening their intellectual horizons and encouraging exploration of topics like religion, culture, and politics.

**Effective Time Management:** Students can efficiently manage their schedules by utilizing mobile apps for setting alarms, reminders, and organizing their daily tasks.

**Educational Resources:** Cell phones offer valuable educational resources, including learning applications and e-books, enhancing the overall educational experience.

**Intellectual Challenges:** Mobile phones provide access to online IQ tests and brain-teasers, offering opportunities for students to sharpen their intellectual abilities.

**Stay Informed:** Students can stay updated on the latest developments in technology, applications, and research within their respective fields of study.

**Leisure and Entertainment:** During leisure hours, students can use their mobile phones for entertainment, such as watching videos, playing games, and enjoying multimedia content.

**Current Affairs:** Mobile phones help students remain informed about current events, global affairs, and the world around them.

In conclusion, cell phones have become indispensable tools in the modern student's life, offering an array of advantages beyond communication. They serve as versatile assets for academic growth, supporting learning, collaboration, and intellectual development. While responsible usage is essential, it's undeniable that cell phones play a pivotal role in the contemporary student experience.



- **K. Ruchitha**, 1st B.Sc CBZ

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## DESTINED PATH

At times, I grasp how tangled life can be,  
Like those unsolved chemical equations, you see.  
The wheel of my life has taken a queer shape,  
In this twist of fate, it's hard to escape.  
Answers elude me, much like the 'x' unknown,  
In those intricate math problems, overblown.

Like light through mediums, I've strayed afar,  
Lost on a path, I don't know where you are.  
The night seems dark, I pull my blanket tight,  
Awaiting the dawn, to welcome the light.  
They say time heals all, and I believed too,  
In the healing, I found a truth so true.

Past memories call, as if they know the way,  
Whispering, "You did it," or so they say.  
Yet, a voice within, deep, it does impart,  
A sense of hope, igniting in my heart.  
Confidence, a will that won't break or bend,  
I'm soldered to this newfound strength, my friend.  
No more darkness, it's the light I now see,  
A brighter path ahead, where I'll be.



- **J. Nagamani**  
IIIrd B.Sc., MSCs.

## DESIRE TO EXCEL

A voice within calls out, unique and clear,  
Not like the common sounds we often hear.  
It stirs a passion deep within my soul,  
Urging me to aim for an impressive goal.  
To chase my dreams, leaving the fun behind,  
Desiring to be a rare gem, one of a kind.

Times I faltered, glanced back in regret,  
Competitors thrived, their success firmly set.  
Hope for victory seemed to wane and fade,  
But that inner voice pushed me to evade.  
Encouraging me to continue the run,  
In my quest to be second to none.

As flowing waters guide me to move ahead,  
To let bygones be forgotten and not to dread.  
A gentle breeze carries a scent so sweet,  
Inspiring me to rise, take a lofty seat.  
Yet the inner voice compels me, like the sun,  
To reach for the top, to be second to none.

Mirages may distract me on this arduous track,  
Shadowy trees tempt me to pause and look back.  
The deep sea may whisper to stand still,  
But I must realize my will, and I will.  
The inner voice stays true to my mission,  
To achieve my desire, to be second to none.

Embracing the pain, I accept what it brings,  
This struggle will help me reach where my heart sings.  
The agony fuels me to break every shackle,  
In this tormenting journey, I'll conquer each battle.  
With unwavering resolve, the job will be done,  
Fulfilling my desire to be second to none.



- **K. Chinnari**, IInd B.Sc., MPCs

## RISE WITH KINDNESS

Once more, the sun will rise; its golden rays a gentle nudge,  
A memory of a leper's hopeful gaze, a smile, a wave, a touch,  
With fingerless hands, while you hissed in frustration's clutch,  
Over an angry phone call, moments you'd rather not clutch.

Again, the sun will rise, its form a slender thread of light,  
Like the malnourished baby's fingers, holding on so tight,  
Curling around your thumb, a bond pure and right,  
As you lamented missing the bus, in the morning's quiet.

Once more, the sun will rise, its brilliance softly gleaming,  
A twinkle in the eyes of a teenage mother, joyous and beaming,  
Singing a lullaby for her little one, dreams and hopes streaming,  
While you fretted about work, in a world of endless scheming.

Again, the sun will rise, a reminder in its gentle guise,  
That the problems of yesterday, those heavy burdens and ties,  
Are now long gone, long dead, like distant, faded cries,  
And as the new day unfolds, let kindness be your prize.

So when the sun rises once more, with its warmth and grace,  
Wave back at the leper with a smile, a caring embrace,  
Offer the malnourished a meal, a chance to retrace,  
Their steps to hope, love, and life, in this human race.

And don't forget, carry a blanket from your cherished home,  
To wrap around the sleeping mother and child, no longer alone,  
Then, you won't await the sun's ascent, for in kindness sown,  
You will have already risen, in compassion brightly shone.



**- S. Sri Rama Lakshmi Pravallika**

Ist B.Sc. MPCs

## THE PULL OF GRAVITY: A BATTLE FOR SURVIVAL

Gravity exerts its relentless force, tugging me downward, urging me to remain tethered to the earth. It's a subtle reminder that, despite dreams of flight and visions of swimming through boundless skies, I am, ultimately, a creature of the ground.



In a world fraught with uncertainty, it often feels safer to keep one's feet firmly planted. The call to stay grounded, to keep to the shadows and shield oneself from the ever-watchful eyes, becomes a siren song. To lay low, to blend into the surroundings, feels like the path of least resistance.

The directive is clear: stay on the ground, hidden from prying eyes. It's a simple yet haunting mantra, a stark reminder of the dangers that loom overhead. There's an unspoken truth that only those who have faced such perils can understand—the necessity of surrendering to the earth when the world above threatens to crumble.

The earth, welcoming in its embrace, becomes a shield of last resort, a sanctuary from the storm that rages above. The dirt-covered ground offers a paradoxical sense of safety. It's a place to lay low, to breathe, but only in hushed, measured breaths. To survive, we must lie motionless, as if we were no more than lifeless remnants scattered across a field, now drenched in a haunting hue of crimson.

In this realm, in the midst of chaos and devastation, it becomes evident that being alive feels like a sin. Every movement, every heartbeat, is a calculated risk. And so, we obey the unwritten rules of survival. We bow to the pull of gravity, our silent protector and accuser, knowing that to defy it is to invite an even more unforgiving fate.

In a world where gravity relentlessly reminds us of our earthly bounds, where the ground becomes both shelter and shroud, we are left with no choice but to endure. It's a stark, unyielding reality - a battle for survival in a realm where gravity is the keeper of secrets and the arbiter of life and death.



- **Ch. Pavithra**, IInd B.Sc, CBZ

## UNRAVELING THE WONDERS OF THE HUMAN BRAIN : SEVEN FASCINATING FACTS



The human brain, often considered the crown jewel of our physiology, is a marvel of nature. This intricate organ, encased in the protective fortress of our skull, holds an array of secrets, capabilities, and quirks. From its vulnerability to its immense potential, the human brain is a subject of perpetual fascination and study. Let's delve into seven intriguing facts about this enigmatic organ that illuminate its astonishing nature:

**Oxygen's Vital Role:** The brain's dependence on oxygen is a testament to its fragility. Just 5 to 10 minutes without oxygen can inflict permanent brain damage, emphasizing the importance of quick intervention in emergencies like strokes or cardiac arrests. This fact highlights the brain's sensitivity and the critical need to safeguard it.

**A Beacon of Electricity:** While we're awake, the human brain generates a significant amount of electrical activity. Incredibly, this activity produces enough electricity to power a small light bulb. It's a reminder of the ceaseless work our brain undertakes, even when we're simply going about our daily lives.

**Dieting Dilemma:** Dieting's impact extends beyond physical changes, as it can force the brain to resort to a self-cannibalistic mode. When faced with a calorie deficit, the brain may begin to consume its own neural tissue for energy. This adaptation showcases the brain's ability to prioritize its functioning, even under challenging circumstances.

**Alcohol's Influence:** The commonly held belief that alcohol makes you forget things isn't entirely accurate. When someone experiences a blackout while drunk, it's not memory loss but rather a temporary inability of the brain to create new memories. This unique effect provides insights into the intricacies of memory formation.

**The Brain's Plasticity:** The brain's capacity for adaptation and growth is remarkable. When you learn something new, the very structure of your brain undergoes changes. This phenomenon, known as neuroplasticity, illustrates the brain's inherent ability to rewire and modify itself based on experiences, whether it's acquiring a new language or mastering a musical instrument.

**Infant Brain Size:** At birth, a human baby's brain is remarkably close in size to what it will be as an adult. This characteristic explains why infants seem to have disproportionately large heads in comparison to their bodies. As they grow, their brains mature and develop while maintaining a relatively constant size.



**The Sweet Aroma of Chocolate:** The delightful scent of chocolate has a unique effect on our brain. It has been found to increase theta brain waves, which trigger a state of relaxation. So when you find yourself indulging in a piece of chocolate, it's not just your taste buds that are in for a treat - your brain gets a soothing experience too.

The human brain, with its myriad mysteries and capabilities, continues to captivate scientists, researchers, and anyone with an interest in unraveling the complexities of our existence. These seven facts offer a glimpse into the intriguing world of the brain, reminding us of its vulnerability, resilience, and the countless marvels it holds.



- **S. Pujitha**, Ist B.Sc, CBZ

## EMBRACING NATURE'S BEAUTY

As I stand amidst the tranquil embrace of nature, I am captivated by its enchanting symphony. The gentle breeze caresses my cheeks, a tender kiss from the earth itself. It carries with it the soft whispers of moths, sharing their secrets with my eager ears.

In the distance, majestic hills stand tall and proud, their allure irresistible. They beckon me to explore, to become one with their ageless wisdom. The leaves of the trees seem to dance in jubilant merriment, as if someone hidden among them is playfully tickling their delicate forms.

A golden, misty dust of pollen descends from the heavens, a gift from the skies. It flutters down like ethereal snowflakes, a reminder of the natural world's perpetual cycle of renewal. The voices of birds fill the air, orchestrating the surrounding landscape as they commune with the very heart of nature.



Above, the sky stretches out in a brilliant expanse of blue, meticulously overseeing its meticulously tailored scenario. It is a sentinel of the heavens, a testament to the artistry of the cosmos. Butterflies, delicate and vibrant, seem to serve as messengers of love and peace, their colorful wings weaving stories of beauty and harmony.

Nature's grace, in all its glory, unfolds just beyond my window. It extends an invitation, a call to partake in its timeless wonders. As I stand here, I am reminded of the privilege of being a part of this living tapestry, and I eagerly accept its invitation to immerse myself in its boundless splendor.



- **D. Vanaja**, IIInd B.Sc., CBZ



## THE BANTER BETWEEN PHYSICS AND CHEMISTRY

One day, within the hallowed halls of our college, an amusing encounter unfolded between two distinguished disciplines – Physics and Chemistry. They approached each other from opposite ends of a gallery, and as fate would have it, a collision was imminent.

Chemistry, always one to speak her mind, was the first to address the situation. “Hey there, can’t you simply walk in a straight line?” she exclaimed with a mixture of frustration and bemusement.

Physics, not one to back down from a challenge, quickly retorted, “Ah, but you see, my dear Chemistry, it’s not a matter of choice. It’s simply a consequence of the laws that govern our universe. Opposite forces attract, and I found myself irresistibly drawn towards your path. That’s why this collision occurred, you see.”

Chemistry, with her penchant for concoctions and reactions, didn’t take kindly to this explanation. “Oh, you think you’re clever, don’t you?” she responded. “Well, how about a taste of concentrated H<sub>2</sub>SO<sub>4</sub> to cool your enthusiasm?”

Physics, always the astute observer of the cosmos, fired back, “Ms. Chemistry, if I were to impart you with escape velocity, you’d find yourself quite literally out of this world!”

Amidst this exchange, a third figure made his presence known. Mathematics, the ever-wise and logical bystander, decided to intervene. With a sagely nod, he shared his insights. “Perhaps you both should consider walking in parallel lines,” he suggested. “After all, parallel lines never meet each other.”

As the banter continued, their interactions were a delightful spectacle, reminding us of the dynamic interplay between the sciences. Though their paths may differ, these disciplines enrich our understanding of the world in their own unique ways.

Now, as we immerse ourselves in the fascinating world of science, let us not forget the camaraderie that exists between these subjects, and the occasional sparks that fly when they meet. It is in these lighthearted exchanges that we find the essence of curiosity, discovery, and the unrelenting pursuit of knowledge.

Finally, as a parting gift, here are a few delightful combinations that chemistry brings into our everyday lives:

Sulphur (S) + Gold (Au) + Cerium (Ce) = Sauce

Barium (Ba) + Sodium (Na) + Sodium (Na) = Banana

Oxygen (O) + Radium (Ra) + Nitrogen (N) + Germanium (Ge) = ...well, we’ll leave that to your imagination.

In the vast world of science, where imagination knows no bounds, let us continue to explore, experiment, and enjoy the wondrous journey that these disciplines offer.



**- Ch. Malleswari**  
IInd B.Sc., MPCs.

## UNLOCKING THE POWER OF COMMUNICATION SKILLS FOR STUDENT SUCCESS



Communication skills are a treasure trove of abilities that every student should aspire to master, as they offer a wealth of benefits both within and beyond the academic realm. Here, we delve into the compelling advantages of cultivating robust communication skills:

**Academic Excellence:** Picture this – a student who can artfully articulate their thoughts, express their ideas with clarity and precision, and confidently engage in class discussions. Such students are more likely to excel academically. Effective communication enables active participation, seamless question-asking, and the ability to seek guidance when necessary. Moreover, it empowers students to present their viewpoints persuasively, leading to impressive grades on presentations, papers, and examinations.

**Harmonious Collaboration:** The realm of academia often demands collaborative efforts and group projects. In this scenario, the importance of communication skills shines through.

Students who can convey their thoughts articulately, listen attentively to others, and engage in constructive contributions enhance the quality of teamwork. This dynamic synergy elevates project outcomes and enriches the learning experience.

**Forging Connections:** Effective communication is the key to establishing and nurturing relationships with peers, educators, and mentors. It enables students to connect on a deeper level, express empathy, resolve conflicts amicably, and build a robust support network. Proficiency in interpersonal skills equips students to cultivate meaningful connections that have a positive influence on their academic journey and personal lives.

**Empowering Confidence:** Possessing strong communication skills instills a sense of confidence in students. They feel assured when expressing their thoughts, ideas, and opinions, not only in the classroom but in all aspects of life. This newfound confidence inspires active participation, the sharing of diverse perspectives, and lively engagement in discussions, both verbal and written.

**Enhancing Critical Thinking:** Communication skills are intricately connected to the realms of critical thinking and problem-solving. To communicate effectively, students must organise their thoughts, dissect complex information, and articulate their arguments cogently. Through honing their communication skills, students simultaneously sharpen their reasoning and analytical abilities, preparing them to tackle intricate problems systematically and uncover innovative solutions.

**A Passport to Career Success:** In the professional sphere, robust communication skills are prized by employers. Students who master the art of effective communication hold a competitive advantage when they enter the job market. They can proficiently convey their qualifications, foster harmonious collaboration with colleagues, and interact seamlessly with clients and customers. Strong communication skills are often viewed as a fundamental prerequisite for leadership roles and career progression.

In a world where communication is king, students who grasp its significance and invest in honing these skills unlock a world of opportunities and possibilities, both in their academic pursuits and future careers. So, seize the day and embark on the journey of becoming a confident and proficient communicator, for it is a journey that promises a future filled with success and prosperity.



- **G. Sravani**, III B.A. Spl.English



## EMBARKING ON A SCIENTIFIC QUEST

Science stands as the ever-churning engine of our prosperity, and its significance lies in the transformative impact it has had on our world. The journey of science is akin to an epic quest, one of the oldest and most enduring stories in human history. It is a story that unfolds as a relentless pursuit, brimming with curiosity, exploration, and resilience. This quest is a tribute to those who dedicate their lives to unraveling the mysteries of the universe, often venturing into realms that appear mystifying or daunting.

In the realm of science, we observe intrepid individuals chasing viruses, discovering uncharted planets, unearthing long-extinct dinosaurs, and even delving into the enigmatic world of venomous snakes. While the profound impact of science may not always be evident in our daily lives, we are, in fact, constantly making science-based decisions. From the means of transport we employ, such as cars and trains, to the ubiquitous smartphones we wield, the very energy illuminating our living spaces, the clothes we adorn, and the food we savor each aspect of our existence has been shaped and enhanced through scientific research.

Science, in its essence, forms the foundation of our reality. Beyond this, it serves as the catalyst for driving our nation's economic growth and opens up pathways for our youth in an increasingly competitive global arena. However, there persists an unfortunate misconception that students harbor regarding science and scientists, often perceiving them as “nerds” and consequently steering away from scientific pursuits. This fallacy must be debunked. It is imperative that students, in collaboration with their educators, reevaluate their preconceived notions about science. Science transcends the stereotype of tedious

study and ceaseless experiments; it is a gateway to exploration, innovation, and a boundless realm of imagination.

So, let us embark on this scientific quest, for it is a journey that has the power to transform not only our understanding of the world but also our own lives. It is an odyssey that empowers us to ask the most profound questions, confront the most complex challenges, and bask in the light of discovery. In the vast tapestry of human history, the story of science stands as a testament to our relentless pursuit of knowledge and the unyielding spirit of exploration.



**- K. Ramya**, III B.Sc., MSCs.

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## TURNING THE PAGE: A NEW CHAPTER IN LIFE

As I gaze upon you, I can't help but wonder, where have all the years disappeared to? What happened to the yesterdays that seem to have slipped through my fingers? It feels like just yesterday...

I look at you, and the relentless march of time becomes undeniable. The years have woven a tapestry of memories, moments, and experiences, leaving their indelible mark. And through it all, you have been my guiding light.

You've taught me to find my wings when I thought I couldn't, and you've shown me how to soar to new heights. Your wisdom, your support, and your unwavering love have been the wind beneath my wings, propelling me forward.

As you stand before me today, poised to embark on a new chapter of my life, I'm filled with gratitude. This chapter is unique, a story written just for me, but it wouldn't be possible without your presence and guidance.

I look at you, and I realize that the time has come to view you through a different lens. No longer just a mentor or guide, you've become a cherished part of my life's journey, and this transition is a testament to the bond we share.

The chapter I'm about to step into is a gift beyond measure, and as I stand on the threshold of this new adventure, I want you to know how much I love and appreciate you. I count myself among the truly blessed, for in you, I've found not just a mentor but a friend and confidant, and the story we've written together is a treasure I hold dear.



**- R. Beulah Grace**, IInd B.Sc., CBZ

## UNVEILING THE TRUTHS OF LIFE : A JOURNEY OF SELF-DISCOVERY

Life is an intricate tapestry woven with threads of experiences, emotions, and introspection. It's a journey filled with moments of joy, sorrow, and enlightenment. At its core, life presents us with profound truths that we must unravel as we navigate through its labyrinth.

One of the fundamental truths we encounter is the impermanence of life itself. Change is the only constant, and every stage of life is fleeting. The people we meet, the places we visit, and the moments we cherish—they all come and go. It's a universal reality that teaches us to embrace the present, for it's the only moment we truly possess.

Another truth that life unveils is the significance of human connections. We are inherently social beings, and our relationships with family, friends, and the people we encounter shape our experiences. The bonds we form and the love we give and receive are invaluable treasures. It is through these connections that we find meaning and a sense of belonging.

The truth of adversity and resilience is a lesson life often imparts. Challenges and hardships are an integral part of the human experience. They test our strength and determination, pushing us to grow and evolve. It is in these trying times that we discover the depths of our resilience and the power of the human spirit.

Life also reveals the importance of self-discovery. Understanding who we are and what we stand for is an ongoing process. It's a journey that involves exploring our passions, values, and beliefs. This self-awareness enables us to make choices aligned with our authentic selves and leads to a more fulfilling life.

The truth about kindness and compassion is another vital lesson. Acts of kindness, no matter how small, have a ripple effect on the world. Compassion for others and for oneself is a guiding light that illuminates the path to empathy and understanding.

As we navigate the intricate labyrinth of life, we must continually seek the truths that resonate with our souls. These truths serve as guiding stars, helping us navigate the complexities of existence. Embracing the impermanence of life, nurturing our human connections, facing adversity with resilience, embarking on a journey of self-discovery, and practicing kindness and compassion—these are the profound truths that can lead us to a life of depth and meaning.



- P. Sasi Priya, IInd B.Sc., CBZ

## PART - III

# తెలుగు ఆర్టికల్స్

### దేవత

అమ్మను వర్ణించాలంటే మాటలు చాలవు  
అమ్మ గురుంచి చెప్పాలంటే గంటలు చాలవు  
అమ్మ గురించి పాడాలంటే భావాలు సరిపోవు  
అమ్మ ఋణ తీర్చాలంటే జీవితం చాలదు

ఓపికకు సహనానికి నిదర్శనం అమ్మ !  
ప్రేమకు త్యాగానికి ప్రతిరూపం అమ్మ !  
కొవ్వొత్తిలా కరిగిపోతూ వెలుగు నిచ్చేది అమ్మ

ఆకలికాక ముందే అన్నం పెట్టే అమృతవల్లి అమ్మ  
తెలిసి తెలియక చేసే తప్పులు క్షమించే సహనశీలి అమ్మ  
తనకేమి ఉంచుకోకుండా అన్నం పంచి ఇచ్చే త్యాగమూర్తి అమ్మ

అందరి క్షేమం కోరి ఆదరించేది అమ్మ  
అటువంటి అమ్మలను ఆఖరి క్షణం వరకు ప్రేమగా  
చూడడం పిల్లల బాధ్యత

ఆ అమ్మకు కష్టం కలుగకుండా చేయటం మన ధర్మం



- V. laswariya Bai, Ist B.Sc.,C.B.Z.

## స్వయంకృషి

ఈ లోకంలో ఒక పురుగుకు, సింహానికి  
మధ్య ఎంత వ్యత్యాసం ఉందో అంతకన్నా  
ఎక్కువ మనిషికి మనిషికి మధ్య ఉంది  
మనం ఉదాహరణగా హిట్లర్ను, బుద్ధుడిని తీసుకుందాం.  
వీరినే ఎందుకు తీసుకున్నాం అంటే ?  
హిట్లర్ని నియంత పరిపాలన - తానే రాజు అని అనుకుంటాడు;  
కానీ బుద్ధుడు అలా కాదు.  
మరి బుద్ధుడు ఇలా అన్నాడు మనుషులందరూ సమానం అని.  
దీనిని బట్టి ఎంత ఎదిగిన ఒదిగి ఉండడం బుద్ధుడి నుండి నేర్చుకున్నాం.  
ఏ పరిస్థితిలోనైనా నేనే గొప్ప అని అనుకోరాదు,  
దేవుని దృష్టిలో అందరూ సమానమే .....

“కృషి ఉంటే మనుషులు ఋషులు అవుతారు,  
మహా పురుషులు అవుతారు  
“కృషియే మానవ కోటికి జీవనాధారం  
అలసినా సొలసినా స్వయంకృషితో సాగిపోదాం .....



- N. Sravi  
1st B.Sc., CBZ





## నాలో నా ఊరు

నాలో నా ఊరు

ఎన్ని కాలాలు

అలలు అలలుగా నడచి వచ్చినా

నాలో వటవృక్షంలా నిలిచిన నా ఊరు విజ్ఞానాన్ని బుర్రలోకి వొంపుకుంటూ

ఎన్ని దూరాలు

జీవిత సందర్భాలుగా మారినా

కాస్తంత సమయం దొరికితే చాలు

నా పైరు నా పల్లె

రెప్పల మీద పిట్టల్లా వాలుతూనే ఉంటాయి

నా పల్లెలో

వలస వచ్చిన పక్షుల్ని చూస్తున్నాను

తడారిన గుండెల్లో పగిలిన బీడు భూముల్లో

మొలకెత్తని ఆశలు

వలస పోతున్నాయి

అయినా చెదిరిన స్వప్నాల్ని

మళ్ళీ నిర్మిస్తున్నాను

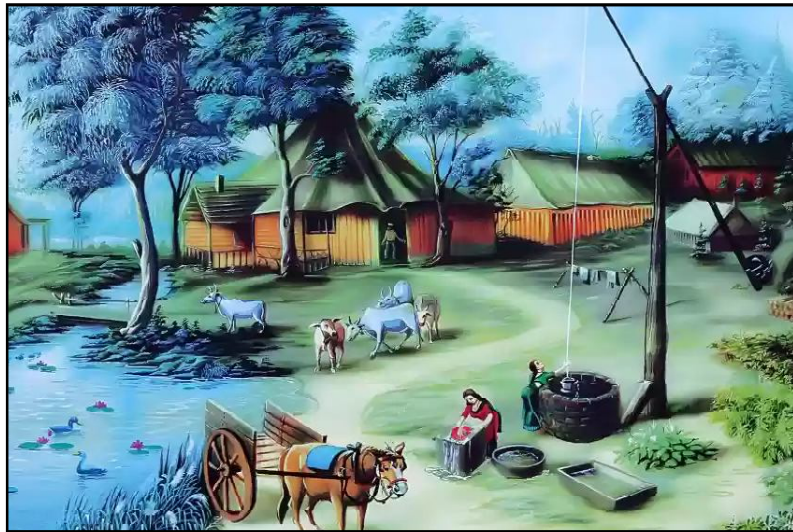
పల్లె గుర్తొస్తే చాలు దేహం ముక్కలు ముక్కలుగా రాలిపోతుంది

పల్లె రుణం తీర్చుకోడానికి మనసు ప్రణమిల్లుతోంది

పల్లెకు పోతాను మేట వేసిన జీవితంలో ఒక ఆశగా మొలకెత్తుతాను



**- K. Kumari Manikyam**  
M.Sc. Chemistry



## లోవెలుగు

అనగనగా ఓ దేశంలో గుణాధికుడనే చిన్న రాజు ఉండేవాడు. అతని దగ్గర చాలా ధనం బొక్కసం - నిండా ఉండేది. గుణాధిక్యుడికి గర్వం ఎక్కువ. అందుకే చదువుకోలేదు. ప్రపంచం గురించి అంతా బాగా తెలుసనీ, తనలాంటి వారు కష్టపడి చదవటం, రాయటం ఏమిటనే అహంకారంతో ఒక లేఖకుడిని అంటే ఉత్తరాలు చదివి. రాసేవాణ్ణి జీతానికి పెట్టుకున్నాడు గుణాధిక్యుడు.

ఒకసారి ఆ రాజుకి పొరుగు రాజుతో వైరం, యుద్ధం వచ్చాయి. యుద్ధరంగానికి తనతోపాటు లేఖకుణ్ణి కూడా తీసుకెళ్ళాడు గుణాధిక్యుడు. అయితే చాలాకాలం కొనసాగిన ఆ యుద్ధకాలంలో లేఖకుడికి విషజ్వరం రావడంతో అతడు మరణించాడు. యుద్ధవార్తలు ఎప్పటికప్పుడు తమ రాజ్యానికి, చక్రవర్తికి చేర్చాలంటే లేఖకుడు మరొకరు దొరకలేదు. ఇంతలో ఒక సమస్య వచ్చింది. చక్రవర్తి నుండి ఓ లేఖ రాజుగార్ని అందింది. అది చదువుకునే శక్తి రాజుకి లేదు. తన సైన్యంలో కొంచెం చదువు తెల్సినవాణ్ణి పిలిచాడు రాజు. 'ఇది చదువు. తప్పులు చదివావా శిరచ్ఛేదమే!' అని హుంకరించాడు. ఆ సైనికుడికి చదువు బాగారాదు. వాడు అక్షరాలు చాలా మర్చిపోయాడు. రాదంటే రాజుగారు నమ్మరని భయపడుతూ సైనికుడు మర్చిపోయిన చదువు గుర్తున్నట్లు నటిస్తూ కల్పించి నోటికి వచ్చినట్లు చదివాడు. "యుద్ధం ఆపి చక్రవర్తిగారు వెంటనే రాజధానికి రమ్మన్నాడు. మీమీద ఎవరో ఆరోపణలు చేశారట. అన్నాడు భయం భయంగా. గుణాధిక్యుడికి చాలాకోపం వచ్చింది. అవమానంతో ఊగిపోతూ యుద్ధం ఆపేసి సైన్యాన్ని వెనక్కి మళ్ళించాడు. ఒక్కరే ముందుగా ప్రయాణమైనాడు.

అరణ్యంలో చీకట్లో ఒంటరిగా చేస్తున్న ప్రయాణంలో దారితప్పాడు. దారిని చూపించే పలకలమీద అక్షరాలు అతను చదవలేకపోవటమే దానికి కారణం. ఎలాగో ఓ కుగ్రామం చేరి పేదరాసి పెద్దమ్మ ఇంట్లో బస చేశాడు. రాత్రి నిద్రిస్తున్న గుణాధిక్యుడు ని చక్రవర్తి భటులు మీదపడి బంధించారు. 'అయ్యో! ఎందుకలాగ!! రాజు కలవరపడ్డాడు.. ఎందుకంటే గుణాధిక్యుడు నమ్మి అంగరక్షకుడి ద్వారా పంపిన లేఖలో నిజాలు లేవు. చక్రవర్తిని నిందిస్తూ మాటలున్నాయి. దీనికి కారణం ఎన్నాళ్ళుగా అడిగినా రాజు అంగరక్షకుడికి జీతం పెంచకపోవటమే! చక్రవర్తి గుణాధిక్యుడుని జైల్లో బంధించాడు. ఎన్ని హింసలు పెట్టినా రాజు నోరు మెదపకపోవటం చూసి. మంత్రిగార్ని కూడా అనుమానం వచ్చింది. 'మహారాజా! ఈ గుణాధిక్యుడు మూర్ఖుడు అని, చదువు రానివాడని విన్నాను. అతను మిమ్మల్ని నిందిస్తూ లేఖ రాశాడంటే నమ్మలేను'. 'ఇది ఋజువు చేస్తే రాజుని వదిలేస్తాను' అన్నాడు చక్రవర్తి. మర్నాడు మహామంత్రి గుణాధిక్యుడి వద్దకు ఒక లేఖ పంపాడు. 'ఇది ఏమిటి' అని రాజు అడిగాడు. 'మీరు నిర్దోషి అని, వదిలిపెట్టమని అడిగేది. సంతకం చేస్తే వదిలేస్తారు' కారాగారాధిపతి అన్నాడు. 'అయితే సరే' అంటూ రాజు ఆలేఖపై సంతకం చేశాడు. ఆలేఖ చక్రవర్తికిచేరింది. చక్రవర్తికి నిజం బోధపడింది.

ఆ లేఖలో 'రాజు గుణాధిక్యుడికి మరణశిక్ష విధించమని' ఉన్నది.'అయ్యో!' రాజు విచారించాడు. నీలాగే బాధపడిన చక్రవర్తి గుణాధిక్యుడిని విడుదలచేసి బాగా కోప్పడి హితవు చెప్పాడు. ప్రజల్ని పాలించే రాజుకు చదువు లేకపోతే ఇక ప్రజల్ని నడిపేదెవరు? అందుకని గుణాధిక్యుడికి పండితుల చేత విద్య చెప్పించి, మూర్ఖత్వం, నిర్మూలించడమే శిక్షగా విధించాడు. తర్వాతి కాలంలో చదువుకున్న గుణాధిక్యుడు మంచి రాజుగా పేరు తెచ్చుకుని చాలాకాలంగా రాజ్యపాలన చేశాడు తాను. నిరక్షరాస్యులు ఉండకూడదనే ఉత్తర్వులు కూడా అమలు చేశాడు. రాజుకైనా చదువు చాలా ముఖ్యం,



**“విద్యలేనివాడు వింత పశువు”.**

**- M. Ramadevi**

M.Sc. Chemistry

## విజేత

విజేత విజేతగా నిలవాలంటే  
విశిష్టమైన వ్యక్తిత్వం ఉండాలి.  
సడలిపోని దృఢ సంకల్పం  
చెదిరిపోని ఆత్మవిశ్వాసం  
విజేతకు ప్రతీకలు కావాలి.  
ధైర్యాన్ని నైతిక బలాన్ని  
ఆయుధంగా మలుచుకుని  
ఆత్మవిశ్వాసం నిత్య శ్వాసగా  
అడుగు ముందుకేస్తే  
అపజయానికే అపజయం కలుగుతుంది  
వ్యక్తిత్వం పరిధి ఎల్లలు లేనిది  
లక్ష్యంతో సాగాలే గాని  
అదృష్టం కోసం అర్రులు చాచకు  
కృషి ఫలితమే  
విజయమని విస్మరించకు  
స్థిరచింతం స్థితప్రజ్ఞత  
సాహసానికి జోడించి  
సామాజిక మనుగడకు ఊపిరి లేదు  
చెడు వినకు చెడు అనకు  
చెడు కనకు మాత్రమే కాదు  
చెడు ఆలోచించకు  
అన్న నాలో ఉన్నసూత్రాన్ని ఆచరించు  
అన్నిటా విజయం నీదే  
తిరుగులేని విజేతవు నీవే



- K. Aruna, IIIrd M.S.Cs.

## నమ్మకం

ఒక గ్రామంలో పాలు పెరుగు అమ్ముకొనే పేద యాదవ స్త్రీ ఉండేది ఆమె ప్రతిరోజు నెత్తిమీద గంపలో కొన్ని దుత్తలు పేర్చుకొని వాటిలోని పాలు పెరుగు కొన్ని ఇళ్లలో అమ్మి వచ్చినా డబ్బుతో జీవితం సాగించేది. ఆమె ఆ ఊర్లో ఉన్న చిన్న నదిని పడవవాడి సహాయంతో దాటి అవతలి ఒడ్డున ఉన్న గురువుగారికి కూడా పాలు పెరుగు ఇచ్చి తిరిగి వస్తుండేది. గురువుగారు ఒక జ్ఞాని సకల విద్యలు తెలిసినవాడు. కొందరు శిష్యులకు వేదాధ్యయనం నేర్పించేవాడు. తపస్వి, ఆ గురువుగారికి పాలు పెరుగు అందించి కొంతసేపు ఆయన శిష్యులకు చేస్తున్నా బోధలు విని మళ్లీ పడవెక్కి తిరిగి వచ్చేది. ఆ యాదవ స్త్రీ అలా పాఠం చెబుతున్నప్పుడు, ఓ రోజు గురువు ఇలా చెప్పాడు. నాయనలారా భగవంతుని పట్ల అచంచల విశ్వాసంతో ఉండండి. మీరు నమ్మి ప్రార్థిస్తే, దేవుడు ఏ పనైనా చేసే శక్తిని ఇస్తాడు.

అంతా వింటున్న ఆమె ఓసారి లేచి నిలబడి గురువుగారిని ఇలా అడిగింది అయ్యా దేవుని ప్రార్థిస్తే ఏ పనైనా సాధించగలం అంటున్నారు. నాకు ఓ సందేహం అడగమూ నేను రోజు పడవెక్కి నది తీరం నుండి ఈ ఒడ్డుకు వచ్చి మీకు పాలు అందించడంలో ఆలస్యానికి కారణం పడవ సమయానికి దొరక్క పోవడం. అదే కనుక దేవుని దయ ఉంటే పడవ అవసరం లేకుండా నేను నదిని దాటగలనంటారా! తప్పకుండా తల్లి దేవుని సృరిస్తూ నడిస్తే నది నీకు దారి ఇస్తుంది పడవ అవసరం నీకు ఉండదు అన్నారు.

గురువుగారు గురువుగారి పాఠం పూర్తయ్యాక ఆమె లేచి నెత్తిమీద తట్ట పెట్టుకుని నడుస్తూ నది దగ్గరకు వెళ్లి నన్ను ఒకసారి భగవంతున్ని సృరించుకొని నదిలోనికి అడుగు వేసింది. వెంటనే నీరు అంతా పక్కకు తొలగి దారి వచ్చింది. అది చూసి శిష్యులందరూ ఆశ్చర్యపోయారు. గురువుగారికి కూడా నది ఆవలికి వెళ్లే పని ఉంది. ఆయన నది ఒడ్డున నిలిచి ఓసారి దేవుని ప్రార్థించాడు నీళ్లలోకి అడుగువేయగానే మునిగిపోవడం మొదలు పెట్టాడు. రక్షించండి అంటూ ఆర్తనాదాలు చేశాడు. శిష్యులు ఆయన్ని బయటికి లాగి రక్షించారు. గురువుగారు శిష్యుల ముందు సిగ్గుతో తలదించుకున్నారు.

ఆమె గురువుగారి మాటను సంపూర్ణంగా నమ్మింది. త్రికరణ శుద్ధిగా ఉంటే మనసు వాక్కు, కర్మలు మూడు ఒకటిగా దేవుడు తనని నది మీద నడిపించి తీసుకెళ్తాడని నమ్మింది. అందుకే ఆ నమ్మకం ఆమెని నడిపించింది. కానీ ఆ పాఠం బోధించిన గురువు మనసులో మాత్రం అనుమానం మిగిలిపోయింది. నిజంగా దేవుడు ఉన్నాడా, నన్ను ఈ నది మీద నడిపిస్తాడా, అని అనుమానించాడు గురువుగారు, అందుకే ప్రతి ఒక్కరం నమ్మకంతో ఆత్మవిశ్వాసంతో ఏ పని ప్రారంభించిన విజయాన్ని సాధిస్తాము.



- K. Kalyani  
Illrd M.S.Cs.

## తృప్తి

అనగనగా ఒకవూళ్ళో కట్టెలు కొట్టి జీవించే వాడొకడున్నాడు. వాడిపేరు గణపతి, రోజూ దగ్గరిలోని ఒక అడవికి వెళ్ళి కట్టెలు కొట్టుకొని వచ్చి సమీప గ్రామంలో అమ్మి ఆ ధనంతో బతకటం వాడికి అలవాటయింది. ఒకరోజు అడవిలో భుజాన గొడ్డలి వేసుకొని కట్టెలు కొట్టటానికి వెళ్తున్నాడు గణపతికి సాధువు ఎదురయ్యాడు. గణపతిని చూస్తూనే ఆ సాధువు...”నాయనా! మరికొంత ముందుకు పో!” అని సలహా ఇచ్చి తన దారిన తాను వెళ్ళిపోయాడు. పని వుంది. ‘నన్ను ఇంకా ముందుకు పొమ్మన్నాడు కదా!’ అని ఆలోచించాడు. కొన్ని రోజులు గడిచాక సాధువు మాటలు మళ్ళీ గుర్తొచ్చాయి. ఈ రోజు అడవిలో ముందుకు పోవాలి” అని నిర్ణయించు కున్నాడు.

ఆ నిర్ణయం ప్రకారం గణపతి అడవిలో మరింత దూరం ముందుకు నడిచాడు. ఆశ్చర్యంగా అక్కడ లెక్కలేనన్నిగంధపు చెట్లు కనిపించాయి. ఎంత అదృష్టం! వాడు ఎంతో సంతోషపడి బండ్ల కొద్దీ గంధపు కట్టెలు తెచ్చి పక్కవూరిలో అమ్మి చాలా ధనం సంపాదించాడు.

కాలం అలా గడుస్తున్నది. ఈసారి గణపతి అడవిలో మరింత దూరం ముందుకు వెళ్ళాడు. అక్కడ గణపతికి ఒక పెద్ద నది ప్రవహిస్తూ కనిపించింది. నది పక్కనే వెండి గని కనిపించింది. గణపతి తన అదృష్టాన్ని తానే నమ్మలేకపోయాడు. ఇలా జరుగుతుందని అతను కలలో కూడా ఊహించలేకపోయాడు. ఆ వెండి గని నుంచి వెండి తీసి అమ్మి మరింత భాగ్యవంతుడయ్యాడు.

కొన్నాళ్ళకు గణపతి ఇలా ఆలోచించాడు.... “సాధువు నాకు ముందుకు వెళ్ళమని చెప్పాడు. కానీ వెండి గని ఉందని చెప్పలేదు. ఇంకా ముందుకు వెళ్ళి చూస్తాను” అనుకొని ఈసారి నదిని దాటి అవతలి గట్టుకు చేరుకున్నాడు. అక్కడ అతడికి ఒక బంగారు గని కనిపించింది. “ఎంత అదృష్టం! ఇండుకేగదా ఆయన నన్ను ముందుకు పొమ్మని సలహా ఇచ్చాడు” అని ఆలోచించాడు. వాడు ఇంకా ఇంకా అడవిలోకి వెళ్ళాడు. అక్కడ రత్నాలు, వైధూర్యాలు, రాశులు పోసి ఉండటం గమనించాడు. అవి కూడా తీసుకుని కుబేరుడంతటి వాడయ్యాడు గణపతి.

ఏ పని చేసినా మంచి విషయంలో తృప్తితో ముందుకు వెళ్తునే ఉండాలి. నువ్వు సాధించిన వాటికంటే ఇంకా విలువైనవి దొరుకుతాయి. నీ హృదయంలో ఒక అద్భుత శక్తి దాగి వుంటుంది. దాని గురించి నీకు తెలియదు. దానిపై సన్నని మట్టి పొర వుంటుంది. ఒకసారి ఆ విషయం తెలిస్తే చేస్తున్న పని మరింత తృప్తికరంగా వుంటుంది. సాధించిన దానితో సంతృప్తి చెందకూడదు. అదే విజయం కాదు. జీవితంలో ఎప్పటికప్పుడు ముందుకు నడుస్తూ మరింత ప్రగతి సాధించాలి.



**- E. Navya Sri**  
IInd Bi.P.C.

## గురుదేవోభవ

విద్య అనే బీజం నాటిన గురువు  
జగతికి వెలుగునిచ్చే కల్పతరువు  
విశ్వంలో విరిగిన హరివిల్లు  
విద్యార్థులకు గురువే పొదరిల్లు  
విద్యార్థుల ఉజ్వల భవిష్యత్తుకోసం  
అహర్నిశలు శ్రమించి తాపత్రయ పడే  
ఆలుపెరగని విజ్ఞాన కెరటం గురువు  
జగతికి స్ఫూర్తి ప్రదాత గురువు  
విద్య అనే పూదోటలో అక్షరమాల గురువు  
ఓనమాలు దిద్దించి అజ్ఞానము అనే చీకటిని  
తొలగించి జ్ఞాన జ్యోతులు వెలిగించిన  
జ్ఞాన సాగరుడు గురువు  
అపజయాలను ఎదురించి విజయబాటలో  
నడిపించిన నా గురువుగారు  
గురువు అంటే జీవితానికి మార్గదర్శి  
చీకటి పొరలను చీల్చి పున్నమి కాంతులు  
ప్రకాశింపజేసేది గురువే  
నేటి సమాజానికి దిక్సూచి గురువు  
మాతృదేవోభవ పితృదేవోభవ ఆచార్యదేవోభవ  
అంటూ జీవితానికి అర్థం చెప్పి  
క్రమశిక్షణ నేర్పించి మనిషిలో మానవత్వాన్ని  
చాటిన ఆదర్శవంతుడైన ఉపాధ్యాయుడు  
విద్యార్థులకు దిశ నిర్దేశాలు చూపించే జ్ఞానముర్తి  
ప్రతి విద్యార్థి జీవితంలో ఉదయించే  
సూర్యుడూ నేటి ఉపాధ్యాయుడు  
సృష్టిలోనే గురువు స్థానం అజరామరం



- S. Dhana Lakshmi

IIIrd M.S.Cs

## మనదే నిర్ణయం

పెద్దలను గౌరవిద్దాము  
పరులకు సాయం చేద్దాము  
అబద్ధమాడుట మానేద్దాము  
అమ్మ నాన్నలకు వెలుగవుదాము  
తెలుగు భాషను ప్రేమిద్దాం  
పరభాషలను నేర్చుకుందాము  
విజేతలుగా నిలుద్దాము  
ప్లాస్టిక్ వాడకం తగ్గిద్దాము  
మొక్కలు నాటి పెంచుదాము  
భూసారాన్ని కాపాడుదాము  
భావితరాలకు ఆదర్శంగా నిలుద్దాము ...



- M. Divya  
IIIrd B.Sc., MPCs

## ఇలా వుండు

వికసించే పుష్పం నేర్పింది  
తనలా అందంగా జీవించమని,  
రాలిపోతున్న ఆకు నేర్పింది.  
జీవితం శాశ్వతం కాదని,  
ప్రవహించే వాగు నేర్పింది  
తనలా అవరోధాలు దాటి వెళ్లమని,  
మెరిసే మెరుపులు నేర్పింది  
క్షణమైనా గొప్పగా వుండమని.



- P. Mounika  
IIInd M.P.C.

## నేను నా స్వార్థం

కాలం సాన రాయి మీద  
జీవితాన్ని సాన బెట్టాను  
తిరుగుతున్న చక్రం అంచులపై  
మెరిసే క్రాంతిలా ఉండాలనే నాస్వార్థం  
ముప్పుటలా కనిపించని సంద్రాలు  
ఓ వైపు కంటిలో కన్నీటి కడలి  
అవినీతి నేలపై బతుకు సాగు చేసే  
శ్రమ విలువ చూపాలన్నదే నా స్వార్థం  
ముళ్ళు రాళ్ళు రప్పలు గోతులు  
అవరోధాలను అధిగమించే  
ప్రవాహ మానవతానదిలో  
అలుపెరగని కెరటమవ్వాలనే నా స్వార్థం  
చీకటివెలుగులనడుమ  
నిరంతరం జరిగే సమరంలో  
అనుభవ జ్ఞానబోధ చేయాలన్నదే నా స్వార్థం  
ఆకురాలు కాలంలో పూచే అగ్నిపూల చెట్టులా  
చైతన్యస్ఫూర్తి ఇలలో నింపాలన్నదే నా స్వార్థం  
ఈ నిశ్శబ్ద లోకంలో  
ఈ నిశ్చల తపస్సమాధికాలంలో  
ఒక మరణాంతర జీవితమై వెలిగే  
ధృవతారగా నిలవాలనే నా స్వార్థం



- M. Kavya  
IInd C.E.C.



## ఎందరో శాస్త్రవేత్తలు, అందరికీ వందనాలు

వినీలాకాశంలో తళుక్కున మెరుస్తున్న తారలు మానవాళి ప్రగతిని శాసించిన ధృవతారలు. వారెవరోకాదు విశ్వ ఘనత దాటిన మన శాస్త్రవేత్తలు.



**- A. Mahitha**  
IInd M.P.C.

1. పరమాణువులు ఉనికిని చాటిన 'డాల్టన్' ఎలక్ట్రాన్ల ఆవేశాన్ని శోధించిన 'థామ్సన్' నమోదు చేయండి ప్రోటాన్లు, ఎలక్ట్రాన్ల నేస్తాలన్న 'గోల్డ్ స్టీన్' పరమాణువు నిర్మాణంపట్ల పెరిగింది మన 'కాంప్రహెన్షన్'
2. పరమాణు నిర్మాణాన్ని ఆవిష్కరించిన 'రూథర్ ఫర్డ్' ఎలక్ట్రాన్ పథాన్ని పరిశోధించిన 'నీల్సోన్' సూక్ష్మ వర్ణపట విశ్లేషణను సూచించిన 'సోయర్ ఫీల్డ్' ఎలక్ట్రాన్ల ద్విస్వభావాన్ని చాటిన 'ప్రోడింగర్' దీనిలో మన కవగతమైనది మినీ మీటర్ మార్పు స్త్రీ
3. విమాన యానంతో నింగిని తాకిన రైట్ బ్రదర్స్' టి.వీ.తో మానసోల్లాసాన్ని చూపిన 'బయర్డ్' ఫోన్ పలకరింపుకు స్వాగతం పలికిన 'గ్రాహంబెల్' ఇవన్నీ మన ప్రస్తుత సమాజంలో మన ఫేవరబుల్స్
4. పెన్సిలిన్లో మన చరిత్రను మలుపుతిప్పిన 'అలెగ్జాండర్ ఫ్లెమింగ్? అంటు వ్యాధుల వ్యాక్సిన్ల ఆవిష్కరణకర్త 'పాశ్చర్' గుండె లయలను గుర్తించిన 'విలియం హార్వే' ఇవన్నీ తెలియకపోతే మన ఉనికికే నో.... వే
5. ఇవేనా ఎన్నో ఎన్నెన్నో సృష్టించారు అద్భుతాల్ని సువర్ణాక్షరాలతో లిఖించారు మన జీవితాల్ని అందుకే మనమున్నామందరం ఉల్లాసంగా, ధైర్యంగా, నిర్భయంగా, మనం వీరందరి త్యాగనిరతిని కీర్తించాలి ఘనంగా ఎందరో మహానుభావులు అందరికీ వందనాలు.



## PART - III

### अंतरराष्ट्रीय योग दिवस

पहला अंतरराष्ट्रीय योग दिवस 21 जून 2015 को पूरे विश्व में धूमधाम से मनाया गया। इस दिन करोड़ों लोगों ने विश्व में योग किया जो कि एक रिकॉर्ड था। योग व्यायाम का ऐसा प्रभावशाली प्रकार है, जिसके माध्यम से न केवल शरीर के अंगों बल्कि मन, मस्तिष्क और आत्मा में संतुलन बनाया जाता है। यही कारण है कि योग से शारीरिक व्याधियों के अलावा मानसिक समस्याओं से भी निजात पाई जा सकती है।

योग शब्द की उत्पत्तिसंस्कृति के युज से हुई है, जिसका मतलब होता है आत्मा का सार्वभौमिक चेतना से मिलन। योग लगभग दस हजार साल से भी अधिक समय से अपनाया जा रहा है।

वैदिक संहिताओं के अनुसार तपस्वियों के बारे में प्राचीन काल से ही वेदों में इसका उल्लेख मिलता है। सिंधु घाटी सभ्यता में भी योग और समाधि को प्रदर्शित करती मूर्तियां प्राप्त हुईं। हिन्दू धर्म में साधु, संन्यासियों व योगियों द्वारा योग सभ्यता को शुरू से ही अपनाया गया था, परंतु आम लोगों में इस विधा का विस्तार हुए अभी ज्यादा समय नहीं बीता है। बावजूद इसके, योग की महिमा और महत्व को जानकर इसे स्वस्थ जीवनशैली हेतु बड़े पैमाने पर अपनाया जा रहा है, जिसका प्रमुख कारण है व्यस्त, तनावपूर्ण और अस्वस्थ दिनचर्या में इसके सकारात्मक प्रभाव।

1 मंत्रयोग, जिसके अंतर्गत वाचिक, मानसिक, उपांशु आर अणपा आते हैं।

2 हठयोग

3 लययोग

4 राजयोग, जिसके अंतर्गत ज्ञानयोग और कर्मयोग आते हैं।

व्यापक रूप से पतंजलि औपचारिक योग दर्शन के संस्थापक माने जाते हैं। पतंजलि के योग, बुद्धि नियंत्रण के लिए एक प्रणाली है, जिसे राजयोग के रूप में जाना जाता है। पतंजलि के अनुसार योग के 8 सूत्र बताए गए हैं, जो निम्न प्रकार से हैं -

1 यम - इसके अंतर्गत सत्य बोलना, अहिंसा,

लोभ न करना, विषयासक्ति न होना

और स्वार्थीन होना शामिल है।



- T. Mounika, IInd M.P.C

2 नियम - इसके अंतर्गत पवित्रता, संतुष्ट, तपस्या, अध्ययन, और ईश्वर को आत्मसमर्पण शामिल हैं।

3 आसन - इसमें बैठने का आसन महत्वपूर्ण है

4 प्राणायाम - सांस को लेना, छोड़ना और स्थगित रखना इसमें अहम है।

5 प्रत्याहार - बाहरी वस्तुओं से, भावना अंगों से प्रत्याहार।

6 धारणा - इसमें एकाग्रता अर्थात् एक ही लक्ष्य पर ध्यान लगाना महत्वपूर्ण है।

7 ध्यान - ध्यान की वस्तु की प्रकृति का गहन चिंतन इसमें शामिल है।

8 समाधि - इसमें ध्यान की वस्तु को चैतन्य के साथ विलय करना शामिल है। इसके दो प्रकार हैं- सविकल्प और अविकल्प। अविकल्प में संसार में वापस आने का कोई मार्ग नहीं होता। अतः यह योगपद्धति की चरम अवस्था है।

**भगवद्गीता में योग के जो तीन प्रमुख प्रकार बताए गए हैं वे निम्न हैं-**

1 कर्मयोग - इसमें व्यक्ति अपने स्थिति के उचित और कर्तव्यों के अनुसार कर्मों का श्रद्धापूर्वक निर्वाह करता है।

2 भक्ति योग - इसमें भगवत् कीर्तन प्रमुख है। इसे भावनात्मक आचरण वाले लोगों को सुझाया जाता है।

3 ज्ञान योग - इसमें ज्ञान प्राप्त करना अर्थात् ज्ञानार्जन करना शामिल है।

वर्तमान में योग को शारीरिक, मानसिक व आत्मिक स्वास्थ्य व शांति के लिए बड़े पैमाने पर अपनाया जाता है। 11 दिसंबर 2014 को संयुक्त राष्ट्र महासभा ने प्रत्येक वर्ष 21 जून को विश्व योग दिवस के रूप में मान्यता दी और 21 जून 2015 को प्रथम अंतरराष्ट्रीय योग दिवस मनाया गया। प्रथम बार विश्व योग दिवस के अवसर पर 192 देशों में योग का आयोजन किया गया जिसमें 47 मुस्लिम देश भी शामिल थे।

इस अवसर पर दिल्ली में एक साथ 35985 लोगों ने योग का प्रदर्शन किया, जिसमें 84 देशों के प्रतिनिधि मौजूद थे और भारत ने दो विश्व रिकॉर्ड बनाकर 'गिनीज बुक ऑफ वर्ल्ड रिकॉर्ड्स' में अपना नाम दर्ज करा लिया।

पहला रिकॉर्ड एक जगह पर सबसे अधिक लोगों के योग करने का बना, तो दूसरा एक साथ सबसे अधिक देशों के लोगों के योग करने का।

## एक मंजिल की तलाश

क्यों इंतज़ार करे दिन का जब रात रात अभी ढली नहीं !  
धूप छाओं की चाह में क्यों उलझ गया है तू .  
रात के अँधेरे में ,क्यों खो गया है तू !  
रात की निशा भी तोह रोशनी से कम नहीं .  
उठ जा राही ,अब जाग जा रात अभी थमी नहीं !  
क्यों इंतज़ार करें प्रकाश का ,जब खुद ही दिया है तू .  
खुदको जला उस रात में जब दुःख में डूबा हो तू !  
मस्त निकल चल तू कहीं, मंज़िलों की कमी नहीं .  
आसमां में देख तू, चाँद की चांदनी बुझी नहीं !  
अँधेरी रातें सबका हिस्सा , फिर क्यूँ उनसे डरता है तू .  
खुदको कमज़ोर मान के ,क्यों रुक जाता है तू !  
इरादों में तू दम जगा, साहस की तुझमे कमी नहीं .  
खुदकी आग बुझने न दे , मन की शक्ति अभी मिटी नहीं !  
कठिन राह पे चलता चल ,हौंसले बुलंद रख तू .  
एक है ज़िन्दगी , एक है आत्मा , किसका इंतज़ार कर रहा है तू !  
कठिन हो राह या सरल हो ,चल ओ रही चलता चल .  
हर खुशी में हर दुःख में , मुस्कुराता चलता चल !

~ सुप्रीत गुप्ता



- Shaik Mubeena

IIIrd B.Sc., M.S.Cs.

## भारत रत्न डा. भगवान दास-संक्षिप्त परिचय



### व्यक्तित्व परिचय-

*कोटी-कोटी बलि जाऊं, देश प्यारे, हिंद पर।*

*समस्त सुख समृद्धि, अर्पित, सर्वत्र वतन तुझ पर।।*

*अंतिम आरजू, सर्वोपरि, राष्ट्र भक्ति, अहले वतन की।।*

- V .Jyothi, IInd C.E.C.

उक्त पंक्तियां, ऐसे महापुरुषों के व्यक्तित्व पर सटीक साबित होती हैं, जिन्होंने अपने ऐश्वर्य को त्याग कर, पर हित के लिए अपना जीवन एक सन्यासियों की मानिंद जीवन यापन करते हुये राष्ट्र सेवा को पूर्णः समर्पित कर दिया। ताकि देश की भावी पीढ़ियां उनके व्यक्तित्व का अनु शरण करते हुये देश हित में बढ़-चढ़ कर नये भारत का निर्माण करने में अपना बहुमूल्य सहयोग देें।

जी हां हम, ऐसे ही, महापुरुष डा. भगवान दास, जो कि भारत रत्न से सम्मानित हैं, के जीवन चरित्र पर चर्चा करने जहां रहे हैं। ताकि उन्हें संपूर्ण मानव जाती के अंतर्त हृदय में जीवित रखा जा सके। डा. भगवान दास जी ने स्वतंत्रता संग्राम में सहयोग देने के साथ-साथ भारतीय संस्कृति व महापुरुषों की परम्पराओं को भावी पीढ़ियों तक संचारित करने में अपनी अहम भूमिका अदा की। उन्होंने दर्शन, धर्म, शिक्षा के माध्यम से भावी पीढ़ियों को जागरूक करने का अथक प्रयास किया।

### प्रारंभिक जीवन-

डा. भगवान दास का जन्म 12 जनवरी, 1869 को, वाराणसी में हुआ। इनके पिता जी का नाम साहू माधव दास था, जो कि चुनिंदा प्रतिष्ठित और धनी व्यक्तियों में गिने जाते थे। ऐश्वर्य, धन संपदा के वारिस होने के बावजूद, उनके रोम रोम में, देश भक्ति, दान दक्षिणा जैसे संस्कार, पूर्णः समाहित थे। जो कि उन्हें अपने पूर्वजों से प्रदत्त थे, जिनका वो सद उपयोग देश सेवा कर, करना चाहते थे। उनकी प्रारंभिक शिक्षा वाराणसी से ही आरंभ हुई तीव्र बुद्धि क्षमता के कारण ही, इन्होंने 12 वर्ष की अल्प आयु में, हाई स्कूल की परीक्षा उत्तीर्ण की। अध्ययन के दौरान भगवान दास जी ने संस्कृत हिन्दी, अरबी, उर्दू, फारसी जैसी कई भाषाओं में अच्छी पकड़ बना ली थी। तत्पश्चात वाराणसी के ही क्वींस कॉलेज से इण्टरमीडिएट और बी.ए. की परीक्षा संस्कृत, दर्शन शास्त्र, मनोविज्ञान और अंग्रेजी विषयों में प्रथम श्रेणी से उत्तीर्ण की। डा. साहब के पिता जी चाहते थे, कि उनका पुत्र डिप्टी पद पर तैनात हो जाये, इसी अधूरी इच्छा से उन्होंने डा. भगवान दास जी को आगे

की शिक्षा ग्रहण करने हेतु, कोलकत्ता भेजा दिया। 18 वर्ष की आयु में ही, वहाँ से उन्होंने दर्शन शास्त्र में एम.ए. की उपाधि प्राप्त कर ली। डा. भगवान दास, डा. सर्वपत्नी राधा कृष्ण के जीवन चरित्र व गांधी जी की विचार धारा से काफी प्रभावित थे। कुछ दिनों के बाद ना चाहते हुए भी, डा. भगवान दास डिप्टी पद पर नियुक्त हो गये। लेकिन उक्त पद पर कार्यरत होने के बावजूद भी, उनका ध्यान अध्ययन और लेखन कार्य में जारी रहा। कुछ वर्षों के उपरांत पिता जी की मृत्यु हो जाने पर, उन्होंने उक्त पद से त्याग पत्र दे दिया। उसके बाद वे 1899 से 1914 तक सेंट्रल हिंदू कालेज के संस्थापक-सदस्य और अवैतनिक मंत्री रहे।

### राष्ट्र सेवा, नेता संघर्ष-

गांधी जी की, प्रेरणा के चलते उन्होंने सन 1921 में सविनय अवज्ञा आन्दोलन में बढ़ चढ़ कर हिस्सा लिया। आंदोलन कारी होने के कारण, उन्हें गिरफ्तार कर लिया गया। असहयोग आन्दोलन में भी उन्होंने अपनी सहभागिता बढ़ चढ़ कर दर्ज कराई। उक्त कारणों के चलते ही वे जनता के समक्ष, कांग्रेसी नेता व स्वतंत्रता संग्राम सेनानी के रूप में उभरे। असहयोग आन्दोलन के समय डॉ. भगवान दास काशी विश्वविद्यालय के कुलपति थे। 1922 में डा. भगवान दास को वाराणसी के म्यूनिसिपल कॉर्पोरेशन के चुनावों में कांग्रेस को भारी मतों से विजय दिलायी और म्यूनिसिपल कमिटी के अध्यक्ष चुने गये। इस पद पर रहते हुए उन्होंने अनेक सुधार कार्य कराये। साथ ही वह अध्ययन और अध्यापन कार्य से भी जुड़े रहे, विशेष रूप से हिन्दी भाषा के उत्थान और विकास में उनका योगदान विशेष रूप से उगेखनीय रहा। हिन्दी साहित्य सम्मेलन के अध्यक्ष, रूप में उन्होंने महत्वपूर्ण कार्य किये। सन् 1935 के कॉंसिल के चुनाव में वे कांग्रेस प्रत्याशी के रूप में विधानसभा के सदस्य निर्वाचित हुए। कालांतर में वे सक्रिय राजनीति से दूर रहने लगे और भारतीय दर्शन और धर्म अध्ययन और लेखन कार्य में व्यस्त हो गये।

### गांधी वादी, विचार धारा-

जब देश स्वतंत्र हुआ, तब मौजूदा सरकार द्वारा, डॉ. भगवान दास की राष्ट्रहित गतिविधियों के चलते, उन्हें सरकार में महत्वपूर्ण पद ग्रहण का अनुरोध किया गया, किंतु प्रबल गाँधीवादी विचारधारा के धनी व्यक्तित्व ने उन्हें विनय पूर्वक, उक्त पद को अस्वीकार कर दिया। उन्होंने दर्शन, धर्म और शिक्षा के क्षेत्र को ही, राष्ट्र सेवा, समाज सेवा के लिए सर्वोपरि समझा। डॉ. भगवान दास ने 30 से भी अधिक पुस्तकों को हिन्दी व संस्कृत भाषा में लिखी। सन् 1953 में भारतीय दर्शन पर उनकी अंतिम पुस्तक प्रकाशित हुई। भारत के राष्ट्रपति ने सन 1955 में उन्हें, उक्त कार्य हेतु, भारतरत्न की सर्वोच्च उपाधि से विभूषित किया। भारत रत्न मिलने के कुछ वर्षों बाद 18 सितम्बर 1958 में लगभग 90 वर्ष की आयु में उनका निधन हो गया।

वास्तव में उस दिन हमने एक ऐसी हस्ति को खो दिया था, जिसके जाने से देश को एक अपूर्णनीय क्षति पहुँची, जिसकी कमी को कभी भी पूरा नहीं किया जा सकता था। आज भले ही डॉ. भगवान दास हमारे बीच में ना हो, इक्षकतु वे भारतीय दर्शन, धर्म और शिक्षा क्षेत्र में उनके द्वारा किये गये, सराहनीय सहयोग से हमेशा लोगों के दिलों में जीवित रहेंगे।

## भारत रत्न डा. भीम राव अंबेडकर ~ संक्षिप्त जीवनी



- G .Suvarna  
M.Sc.,Che.

### **प्रेरणा दायक, व्यक्तित्व:-**

प्रायः लगभग प्रत्येक कालों में यह देखा गया है कि, जब-जब मानवता शर्म सार हुई तब-तब ईश्वर ने अपने ही, किसी देव दूत को, भिन्न भिन्न क्षेत्र में उक्त समस्याओं के निवारण हेतु अवतरित किया और उन महापुरुषों ने पीडित, उपेक्षित, शोषित वर्ग के अधिकारों की रक्षा हेतु, अमुक समस्याओं पर अंकुश लगाकर, सिद्ध कर दिया कि, समाज में कोई भी समस्या कितनी भी विकट क्यों ना हो, यदि हौसला, आत्मविश्वास, लगन और मानवता की भावना अंतः हृदय में मौजूद है, तो उसका संपूर्ण निदान किया जा सकता है। यदि बात धर्म के अंतर्गत जाति मजहब पर आये, तो समस्या का निवारण करने का आनंद तो कई गुणा बढ़ जाता है। जिसका ज्वलंत उदाहरण, हम ऐसे ही व्यक्तित्व की जीवन शैली से ले सकते हैं। जिन्होंने हमेशा समाज में कदम कदम तिरस्कार पर सहन किया, उन्होंने ऐसी ही छुआछूत की बीमारी का संपूर्ण इलाज कर, यह सिद्ध कर दिया कि, कीचड़ में मलीन किसी भी वस्तु को स्वच्छ व निर्मल बनाने के लिए कीचड़ मय होना अवश्य पड़ता है।

श्री मान पाठक महोदय, आज हम ऐसे ही मानवता के मसीहा का, व्यक्तित्व समझने व उनकी जीवन शैली से प्रेरणा लेने की कोशिश करेंगे। जिन्होंने देश को सबसे बड़ा लोकतांत्रिक राज्य बनाने में अपनी अहम भूमिका अदा की। जो अछूत होते हुये भी किसी के, हृदय से अछूते नहीं रहे। जिन्होंने अपनी जातिवाद के दंश का इस कदर खात्मा किया कि अमुक जाति में जन्म लेने वाली पीढियां उनको किसी मसीहा से कम नहीं समझेगी।

### **व्यक्तित्व का प्रारंभिक जीवन:-**

जी श्री मान पाठक महोदय, हम ऐसे ही उत्कृष्ट व्यक्तित्व, भीम राव अंबेडकर जी की जीवन गाथा पर चर्चा करने जा रहे। जिनके बचपन का नाम भिवा था, भिवा का जन्म 14 अप्रैल 1891 को मध्य प्रदेश के, महु नगर में हुआ। उनके पिता का नाम, रामजी मालोजी सकपाल, माता का नाम भीमाबाई था। भिवा अपने भाई बहनों में सबसे छोटे अर्थात् पिता की 14 वीं संतान थी। जो कि

अछूत जाति -महार से संबंध रखते थे। परिवार की जीविका पिता की सेना की नौकरी से चलती थी। अछूत जाति होने के कारण, श्री राव साहब को सामाजिक प्रताड़ना का सामना पग-पग पर सहन करना पड़ता था। समाज में उस दौरान बाल विवाह का प्रचलन होने के कारण, उनकी शादी, अप्रैल 1906 में, रमाबाई से हुई।

श्री राव ने हमेशा अपना जीवन में, तीन गुरुओं (गौतम बुद्ध, संत कबीर, महात्मा ज्योतिराव फुले) का अनुसरण किया। लेखक, दादा केलुस्कर द्वारा रचित, बुद्ध की जीवनी, ने श्री राव साहब के जीवन पर, गहरी छाप छोड़ी।

### व्यक्तित्व की शिक्षा:-

श्री भीम राव साहब की शिक्षा सातारा शहर से, 7 नवंबर 1900 को आरंभ हुई। तत्पश्चात् 1897 में, उनका परिवार मुंबई चला गया, जहां उन्होंने गवर्नमेंट स्कूल से मैट्रिक पास किया। 1912 तक, उन्होंने बॉम्बे विश्वविद्यालय से अर्थशास्त्र और राजनीतिक विज्ञान में कला स्नातक की शिक्षा ग्रहण कर 1913 में, अम्बेडकर 22 साल की आयु में संयुक्त राज्य अमेरिका चले गए। वहां उन्होंने बड़ौदा रियासत के आधीन, एक योजना के मद्देनजर न्यू यॉर्क शहर में कोलंबिया विश्वविद्यालय से स्नातकोत्तर शिक्षा का अवसर प्राप्त किया। इसके लिए उन्हें उक्त रियासत की ओर से 11.50 डॉलर, प्रति माह छात्रवृत्ति के रूप में प्रदान की जाती थी।

जून 1915 में उन्होंने अपनी कला स्नातकोत्तर (एमए) परीक्षा उत्तीर्ण की, जिसमें अर्थशास्त्र प्रमुख विषय, और समाजशास्त्र, इतिहास, दर्शनशास्त्र और मानव विज्ञान व अन्य विषय थे। उन्होंने स्नातकोत्तर के लिए एशियंट इंडियन्स कॉमर्स (प्राचीन भारतीय वाणिज्य) विषय पर शोध कार्य प्रस्तुत किया।

1916 में, उन्हें अपना दूसरा शोध कार्य, नेशनल डिविडेंड ऑफ इंडिया- ए हिस्टोरिक एंड एनालिटिकल स्टडी के लिए दूसरी कला स्नातकोत्तर हेतु लंदन जाना पड़ा।

1916 में तीसरे शोध कार्य हेतु उन्होंने इवोल्युशन ओफ प्रोविन्शियल फिनान्स इन ब्रिटिश इंडिया के लिए अर्थशास्त्र में, उनका शोध कार्य प्रकाशित होने के बाद 1927 में, उन्हें अधिकृत रूप से पीएचडी की डिग्री प्रदान की गई।

लंदन स्कूल ऑफ इकोनॉमिक्स में स्नातकोत्तर अध्ययन कर, उन्होंने अपना आगामी संपूर्ण जीवन एक विद्यार्थी बन कर, व्यतीत किया और उनकी चाहत हमेशा देश व अछूतों के लिए कुछ नया करने की बनी रही, ताकि भावी पीढ़ियां उनका स्मरण करती रहे।



### व्यक्तित्व का मसीहा रूप:-

श्री राव साहब 1918 में, ये मुंबई में सिडेनहम कॉलेज ऑफ कॉमर्स एंड इकोनॉमिक्स में राजनीतिक अर्थशास्त्र के प्रोफेसर बने। जहां पर अन्य प्रोफेसरों की मानसिकता के चलते अछूत दंश से रूबरू होना पड़ा। उसी दौरान भारत सरकार, अधिनियम 1919, तैयार कर रही थी साउथ बरो समिति के समक्ष, भारत के एक प्रमुख विद्वान के तौर पर आम्बेडकर को साक्ष्य देने के लिये आमंत्रित किया गया था। इस सुनवाई के दौरान, अम्बेडकर ने दलितों और अन्य धार्मिक समुदायों के लिये पृथक निर्वाचिका और आरक्षण देने की वकालत जोर दार तरीके से की। उनकी अछूत समुदाय में बढ़ती लोकप्रियता और जन समर्थन के चलते, उनको 1931 में लंदन में होने वाले दूसरे गोलमेज सम्मेलन में भी, भाग लेने के लिए आमंत्रित किया गया। वहाँ उनकी अछूतों को पृथक निर्वाचिका देने के मुद्दे पर, गांधी जी से तीखी बहस इसलिए हुई कि गांधी जी को डर था कि अछूतों को दी गयी, पृथक निर्वाचिका, हिंदू समाज को विभाजित कर देगी। गांधी जी को लगता था की, सवर्णों के हृदय परिवर्तन के लिए, कुछ अवधि और बढ़ा देनी चाहिए, किन्तु यह तर्क भविष्य में गलत सिद्ध हुआ।

देश में बढ़ते दबाव के चलते अम्बेडकर जी 24 सितम्बर 1932 को शाम पांच बजे, येरवडा जेल पहुंचे। जहां गांधी और अम्बेडकर के बीच समझौता हुआ, जो बाद में पूना पैक्ट के नाम से प्रसिद्ध हुआ। इस समझौते में अम्बेडकर ने दलितों को पृथक निर्वाचन के अधिकार को छोड़ने की घोषणा की। लेकिन इसके साथ ही कम्युनल अवार्ड से मिली 78 आरक्षित सीटों की बजाय पूना पैक्ट में आरक्षित सीटों की संख्या बढ़ा कर 148 करा दी गई। इसके साथ ही अछूत लोगों के लिए प्रत्येक प्रांत में शिक्षा अनुदान में पर्याप्त राशि, नियत कार्रवाई और सरकारी नौकरियों में, बिना किसी भेदभाव के दलित वर्ग के लोगों को, समान अधिकार दिये जाने लगे।

### व्यक्तित्व का कुशल नेतृत्व:-

गांधी व कांग्रेस की कटु आलोचना के बावजूद अम्बेडकर की प्रतिष्ठा, समाज में अद्वितीय विद्वान और विधिवेत्ता के रूप में बन गई थी। जिसके कारण जब, 15 अगस्त स्वतंत्रता के बाद, नई सरकार अस्तित्व में आई, तो उसने अम्बेडकर को, देश के प्रथम कानून एवं न्याय मंत्री के रूप में सेवा ग्रहण करने के लिए आमंत्रित किया। जिसे उन्होंने अपना सौभाग्य समझ कर स्वीकार कर लिया। 29 अगस्त 1947 को, अम्बेडकर को स्वतंत्र भारत के नए संविधान की रचना के लिए, मसौदा समिति का अध्यक्ष नियुक्त किया गया। इस कार्य में अम्बेडकर का शुरुआती बौद्ध संघ रीतियों और अन्य बौद्ध ग्रंथों का अध्ययन भी काम आया। संविधान निर्माण के समय अम्बेडकर ने भारत के संविधान की अनुच्छेद 370 का विरोध किया, जिसने जम्मू-कश्मीर राज्य को विशेष दर्जा दिया था, संविधान सभा द्वारा 26 नवंबर 1949 को संविधान अपनाया गया। उन्होंने इस दौरान कहा था।

मैं महसूस करता हूँ..कि , संविधान, साध्य (काम करने लायक) है, यह लचीला है, पर साथ ही यह इतना मज़बूत भी है, कि देश को ..शांति और युद्ध दोनों के समय, जोड़ कर रख सकता है, वास्तव में, मैं ....कह सकता हूँ कि, अगर कभी कुछ गलत हुआ, तो इसका कारण यह नहीं होगा कि हमारा संविधान अच्छा नहीं था। बल्कि इसका उपयोग करने वाला मनुष्य अधम था।

### व्यक्तित्व का धर्म परिवर्तन:-

श्री राव ने जाति के अछूत दंश की पीड़ा को महसूस करते हुये कहा कि, मैं.... हिंदु तो पैदा हुआ हूँ, लेकिन हिंदु धर्म से संबंध रख कर नहीं मरूंगा।

13 अक्टूबर 1935, को येवला नासिक में धर्म परिवर्तन की घोषणा करते हु ए अम्बेडकर ने कहा कि 10-12 साल हिन्दू धर्म रहा, उन्होंने हिन्दु समाज को सुधारने, उसमें समानता का अधिकार पाने, के हर संभव प्रयत्न किये, परन्तु सवर्ण हिन्दुओं का हृदय परिवर्तन नहीं हुआ। उन्होंने हिंदु धर्म त्यागते हुये घोषणा की, वे उक्त धर्म को स्वयं के मौलिक सिद्धांतों के चलते छोड़ रहे हैं।



## शेर का आसन

शेर जंगल का राजा होता है। वह अपने जंगल में सब को डरा कर रहता है। शेर भयंकर और बलशाली होता है। एक दिन शहर का राजा जंगल में घूमने गया। शेर ने देखा राजा हाथी पर आसन लगा कर बैठा है। शेर के मन में भी हाथी पर आसन लगाकर बैठने का उपाय सुझा। शेर ने जंगल के सभी जानवरों को बताया और आदेश दिया कि हाथी पर एक आसन लगाया जाए। बस क्या था झट से आसन लग गया। शेर उछलकर हाथी पर लगे आसन में जा बैठा। हाथी जैसे ही आगे की ओर चलता है, आसन हिल जाता है और शेर नीचे धड़ाम से गिर जाता है। शेर की टांग टूट गई शेर खड़ा होकर कहने लगा – ' पैदल चलना ही ठीक रहता है। '



- P. Prasanthi  
IInd, Bi.P.C.



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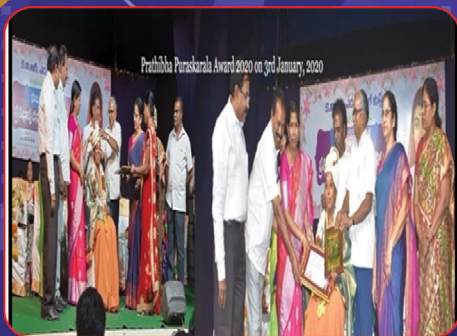
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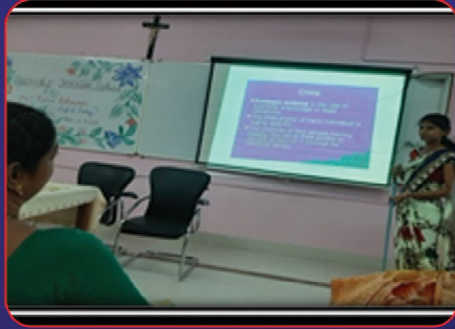
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