

# Editorial Board



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## ***Editorial Note***

GVG, the brand icon in the field of education is meritoriously serving the society for over six decades. Thiru G.V. Govindaswamy Naidu, a munificent and philanthropic founder of the marvellous educational edifice, envisioned the importance of women's education and made an ingenious initiative to provide quality and affordable education to the women community of socially and economically backward class by setting up the monumental temple of education which remains unparalleled and unprecedented. The benevolence and blessedness of our great founder is passed on to his distinguished lineage, Thiru G. Raveendran, the honourable Secretary, who by his noble endeavours and sublime zeal reverberates the ambience and aura of our great founder.

Education plays a paramount role in the modern technological world in the development of an individual. The growth of the institution is determined by the growth of the students. Our institution always focuses on new systems in the arena of education. Outcome Based Education is the new venture during the year 2017-2018 towards the enrichment of knowledge among students. It is student-centered instruction model that focuses on measuring student performance through outcomes. The institution provides various activities to the students to bring out their hidden talents and dynamic personality. The dream of the founder is fulfilled by the students by excelling in all fields.

Our institution thrives the young minds to march ahead with sound knowledge and equally imparts social concern. Now, the scarcity of water is becoming a major life-threat and it can be resolved by obeying the law of nature and realising that the water is an elixir of life. The magazine 2017-18 expounds on the theme 'water management'. It is a compendium of creative articles by the young minds and it also ebulliently accounts the challenging path traversed by the institution in the academic year. The magazine provides an opportunity to cull out the innate and inherent talents of the blossoming buds and strengthen them with a strong foundation. Students had contributed on the theme in the form of poems, essays, and articles both in Tamil and English.

We salute the retiring professors Dr.K.Punithavalli, The Principal, Mrs.T.Amuthavalli, HOD of English, Dr.A.R.Thilagavathi, Controller of Examinations, Dr.R.Meera, HOD of History, Dr.R.Radhika, HOD of Economics and Dr.P.Renuga, Associate Professor of English for their laudable and meritorious service rendered towards the growth and development of the institution and the student community.

The editorial board proudly presents the 66<sup>th</sup> college magazine 2017-18 and whole-heartedly thanks those who were instrumental in bringing out the magazine.

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## 1. Founder's Day Memorial Prizes Awardees 09.01.2017

1. Sri G. V Govindaswamy Naidu Memorial prize instituted by Dr.V.Genguswamy Naidu,( Son- in- law of the Founder Managing Director, Amaravathi Sri Venkatesa Paper mills Ltd., Udumalpet for General proficiency in B.Sc.Degree, Part I Tamil  
Selvi. **K.Priyanka**  
III BSc Mathematics (Aided)
- 2 Sri Venkata Subba Naidu Memorial prize awarded by Sri G.Raveendran (Grandson of the founder) Managing Director, Rajalakshmi Paper mills (p) Ltd., Udumalpet, for General proficiency in B.A Degree, Part I Tamil.  
Selvi. **N.Veerathal**  
III BA Tamil Literature (SF)
- 3 Minor Rangaswamy Memorial prize instituted by Mrs.Sabitha Ramakrishnan (Grand Daughter of the founder) Sri Rama Krishna Steel Industries, Coimbatore for General proficiency in B.Sc.Degree, Part II English.  
Selvi.**M.Vijayanandhini**  
III Bsc Mathematics(Aided)
- 4 Smt.G.Govindammal Memorial prize awarded by Smt.R.Rajalakshmi Genguswamy (Daughter of the founder) Managing Director, S.V.mills Ltd., Udumalpet for General proficiency in B.A Degree, Part II English  
Selvi.**R.Dhivyaa**  
III BA English Literature (Aided)  
Selvi.**S.Preetha**  
III BA English Literature (Aided)
- 5 Sri RangaSwamy Naidu Memorial prize awarded by Sri. R. Muthuswamy Naidu (Son in law of Founder) Udumalpet to a Student who secures the highest mark in Higher Secondary Examinations through Sri Visalakshi Girls Higher Secondary School, Udumalpet and who continues her studies in Sri G.V.G Visalakshi College for Women for any Degree course.  
Selvi. **R.Deebitha**  
I B.Com (Aided)
- 6 Srimathi Lakshmiammal Memorial prize awarded by Sri M.Veluswamy (Grandson of the founder) to a student of Sri Visalakshi Girls Higher Secondary School, who secures the highest mark in SSLC Examinations and who continues her studies in Sri Visalakshi Girls Higher Secondary School, Udumalpet  
Selvi. **K.S.Vanmathi**  
XI Standard  
Selvi. **R.Janani**  
XI Standard

## 2. **66<sup>th</sup> College Day Report** **2017 - 2018**

The 66<sup>th</sup> college day report documenting the prime achievements and significant efforts of the year 2017-2018. It is the time to revisit and review the performance of the year and prepare for the challenges lying ahead. As an institution founded on the philanthropy of our revered founder Sri G.V.Govindaswamy Naidu to provide education to the women mostly hailing from rural areas, it has gained high academic recognition across the globe for bringing out empowered women. All the academic efforts of the college have been channelized towards providing a holistic personality development to the learners as per the vision of our founder.

The consistent and philanthropic spirit of our magnanimous management and our honourable Secretary Sri G.Raveendran must find a special mention in all our activities and has made the academic journey of the year 2017- 2018 a memorable and significant one.

Offering the Outcome Based Education is another milestone in the achievements of the college during the academic year 2017-2018. It is an attempt to design the curriculum and teaching learning process based on the anticipated outcomes framed for each programme of study.

The college reopened on 16.06.2017. The students strength as on date is 2815 with 690 students residing in the Hostel and 755 students have received scholarships. Five of the teaching staff were appointed in the aided stream.

The College Union and its affiliated clubs had its formal inauguration by Dr.B.Vanitha Registrar i/c, Bharathiar University, Coimbatore on 14.07.2017.

The following are the luminaries invited from varied walks of life to deliver lectures, motivational talks and inspiring speeches to instill a sense of leadership, social commitment and make the students as empowered individuals.

- Dr.Babu Nahata : University of Louisville, Kentucky, USA.
- Dr.G.Rajagopal : Former Vice-Chancellor i/c EFLU, Hyderabad
- Dr.Thiruvenkatam : Professor, Thiagaraja College of Engineering, Madurai
- Dr.J.Daniel Chellappa : Senior Scientist, Bhabha Atomic Research Centre & Technical Coordinator Transfer of BARC Technologies.
- Dr.R.Srinivasan : Member Secretary, Tamil Nadu State Council for Scienc and Technology, Chennai.
- Dr.T.S Natarajan : Professor of Physics, Indian Institute of Technology, Tirupathi.
- Mr.N.Adaikkalam : Senior Service Engineer, Systronics (India) Limited Systronics Division, Chennai.
- Mr.Subaveerapandian : Writer, orator and politician.
- Dr.M.K.Baby : IQAC co-ordinator, St.Josephs College, Calicut
- Dr.N.Ponpandian : Prof. & Head, Dept. of Nanoscience & Tech., Bharathiar University, Coimbatore
- Dr.Dilipkumar : International yoga Director, Malaysia
- Dr. Rajalingam Renganathan : UGC-Emeritus Fellow, School Of Chemistry, Bharathidasan University, Trichirappalli.
- Thanjai V.Gopalan : Director, Bharathi Illakkiya Payilagam, Thanjavur.
- Mr.B.Mohan : CEO, SAIMA Financial Planning, Coimbatore.
- Shri.Vincent Sankeyraj : I.R.S, Joint Commissioner of Income Tax – TDS, Coimbatore.
- Mr.M.Ponnusamy : Dean, The Institute of Cost Accountants of India- SIRC, Chennai.
- Dr.C.Kailasam : Director, Science and Humanities, Dr.NGP Institute of Technology, Coimbatore.
- Dr.K. Vidhya : Senior Research Fellow, IIT Palghat
- Dr.Ga.Dheebakaran : Assistant Professor (Agronomy), B.Sc. (Hons) Agriculture Co- Ordinator, Agro Climate Research Centre, TNAU.
- G.K.Shanmuga Sundaram : The Gemini Scientific Company, Chennai
- Dr.M.Sivaraman : Professor & Head, Gandhigram Rural Institute
- Dr.G.Muralidharan : Professor, Department of Physics, Gandhigram Rural Institute Gandhigram, Dindugul



- Dr.A.Madan Kumar : Scientist-C, Molecular and Nano Medicine Research Unit, International Research Centre, Sathyabama University, Chennai-19
- Dr. N. Neelakandeswari : Associate Professor of Chemistry, Sri Ramakrishna Engineering College (SREC), Coimbatore.
- Dr. M.G.Sethuraman : Professor, Department of Chemistry, Gandhigram Rural Institute, Gandhigram, Dindigul.
- Dr. R. Arun Prasath : Assistant Professor, Laboratory of Energy Materials and Sustainability, Centre for Green Energy Technology, Madanjeet School of Green Energy Technologies, Pondicherry University, Pondicherry.
- Dr. T. Ranganathan : Professor of Agriculture, Gandhigram Rural Institute, Gandhigram.
- Mrs. Nandhini Raveendran : Honorary Wildlife Warden, Anamalai Tiger Reserve&Trustee, Aranya Charities.
- Mr.P.Muhammed Shabab : I.F.S, District Forest Officer and Deputy Director, ATR, Tiruppur District,
- Mr. M.Vivekanandan : Deputy Superintendent of Police, Udumalpet .
- Kavi. Tamil Selvan : Secretary, Consumer Action Club, Coimbatore.
- Dr.O.Muthiah, : Associate Professor/ Tamil, Gandhigram Rural University
- Mr.Shivakumar Narayanasamy : IBM Watson & Social Business, Bangalore
- Dr.R.Balasubramani : Senior Assistant Professor, Department of Information & Library Sciences, Bharathidasan University, Trichy.
- Dr.A.Vasudevan, : Associate Professor, Head, Department of English, Government Arts College, Udumalpet
- Dr.M.Abdul Ali Thayyil : Associate Professor& Head, Department of English, Ideal College, Kadakasseri, Kerala

A host of another **52** academic experts from varied disciplines were the resource persons for the seminars, workshops and the guest lectures during the year.

## Results

The results of both UG and PG for the year 2016-2017 reflect the voluminous effort of the faculty and the students.

Aided U.G. Programmes	Pass %	Un-Aided U.G. Programmes	Pass%
Economics	97	Tamil Literature	100
Economics with Logistics and Freight Management	100	English Literature (SF)	98
History	100	Computer Science	99
English Literature	100	B.Sc. IT	100
Mathematics	100	Mathematics	100
Physics	100	B.C.A.	100
Chemistry	100	B.B.A.(Comp.Appli)	100
Zoology	100	Commerce	93
Commerce	100	B.Com. (Comp.Appli)	98
		B.Com. (e.Commerce)	100


Postgraduate Programmes	Pass %
Economics	100
History	100
English Language and Literature	100
Mathematics	96
Physics	100
Commerce	92
Computer Science	100
Post Graduate Diploma in Computer Applications	100

## Graduation Day

Graduation Day was conducted on 24.09.2017. Dr.A.Ganapathy, Vice-Chancellor, Bharathiar University, Coimbatore delivered the Graduation Day address. **718** UG Students passed out during the academic year 2012 – 2015 and **118** PG Students passed out during 2013 – 2015 were awarded with Degrees.

## Awards and Recognitions

- ➡ **Dr.K.Kaliammal** was selected as an Executive Member of Association of Economists of Tamil Nadu.
- ➡ **முனைவர்.வே.செடிப்பவன்** “சிறந்த கவிஞர்”– 30.07.2017-அரிமா சங்கம், மடத்துக்குளம்.

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- ➔ **Lt.Dr.P.Karpagavalli** was awarded “The distinguished Woman in Humanities and Social Sciences” by Venus International Foundation, Chennai
  - ➔ **Mrs.S.Shobana**, Head, Department of Computer Science was provided “Microsoft Azure Research Award” with the Sponsorship of \$5000.
  - ➔ **Mrs.P.Jayamary** has been Certified by SEBI as “Financial Education Trainer” for 3 Years from November 2017.

### **Augmenting Infrastructure**

The DST & DBT Lab have been established with 35 computers during this year. **2421** books have been added to the library, making the total books **55791**. **72** periodicals have been subscribed. e-books and e-journals are subscribed through NLIST and Delnet.

### **Doctorates of the year**

- Dr.A.R.Thilagavathi, Controller of examinations.
- Dr.N.Rajeswari, Department of Mathematics.
- Dr.P.Karpagavalli, Department of History
- Dr.S.Shenbagavalli, Department of History
- Dr. R.Suryapriya, Department of B.Com(SF)
- Dr.U.Thaslim Ariff, Department of B.Com(SF)
- Dr.K.Sathyapriya, Department of English(SF)

### **Self financing faculty Qualified in SET/NET exam this year:**

- Dr.R.Suryapriya, Department of B.Com(SF) (Commerce)
- Mrs.P.Jayamary, Department of B.Com(SF) (Management)
- Ms.S.Subhashree, Department of B.Com(SF) (Commerce).
- Mrs.K.Manimekalai, Department of BCA
- Ms.K.Sowmya, Department of B.Com e-Com
- Mrs.M.Devipriya, Department of B.Com. e-Com
- Dr.M.B.Anandhi, Department of Tamil (SF)
- Ms.R.Sripriya, Department of Tamil (SF)

## Seminars and Workshops organized by the Departments

- Department of English (Aided) organized a National Seminar on **“The New Vistas and Dimensions in ELT”** on 01.02.2018.
- Department of History organized a National Workshop on **“Area of Research in Kongu Region”** on 20<sup>th</sup> January 2018. 160 Students from other institutions participated.
- Department of Economics organized a National Level Workshop on **“Economics of Agro Forestry”** on 27.02.18.
- Department of Mathematics and Mathematics(SF) jointly organized the following **DBT** supported programmes :
  - i. International Symposium on **“Mathematical Modelling in Real life”** on 09.02.2018.
  - ii. Workshop on **“Journal writing and Thesis Formatting using LaTeX ”** on 23.08.2017
  - iii. Intercollegiate competition **“GVGMATHFEST2018”** was conducted on 21.02.2018.
- Department of Physics organized the following **DBT** funded programmes :
  - i. Workshop on **“Trouble shooting of Electronic Equipments”** for students on 14.09.2017.
  - ii. Hands on Training on **“Solar PV Technology”** from 06.02.2018 to 08.02.2018.
  - iii. Workshop for Faculty & Laboratory Staff on **“Handling and Maintenance of Laboratory Equipments”** on 14.09.2017(AN).
  - iv. TNSCST Programme on **“Creating Scientific Awareness for School Students”** was conducted by all the science departments on 10.01.2018.
- Department of Chemistry organized the following **DBT** funded programmes :
  - i. Faculty training Programme on **“Handling and maintenance of electronic equipments”** was organized on 21.09.2017.
  - ii. Workshop on **“Food Processing and Preservation”** on 14.12.2017
  - iii. **Workshop on “Lab Safety and Hygiene”** for Lab assistants on 16.12.2017
  - iv. Hands on Training in, **“Microscale Techniques in Chemistry”** on 18.12.2017 and **“Synthesis and Characterization of Nano particles”** on 29.12.2017.
  - v. Public Awareness programme – **“Demonstration on Food adulteration”** at Kaniyur village on 02.02.2018.

- vi. National Level Seminar on **“Green Chemistry and Sustainable Technologies”** on 16.02.2018.
- vii. Science Day celebration with **“Intra-departmental competitions”** on 26.02.2018.
- viii. Hands on Training in **“Oxidane Analysis and its parameters”** on 02.03.2018.
- Department of Zoology organized the following activities under **DBT** star college scheme :
  - i. Workshop on **“Techniques in Biotechnology”** on 26.09.2017.
  - ii. Workshop on **“Handling of Laboratory Equipments”** for staff members, Students and laboratory staff on 06.02.2018.
  - iii. Two days Hands on Training on **“Recent Trends in Microbiology & Molecular Biology”**, on 20th & 21st Feb 2018 .
  - iv. National conference on **“Recent trends in remote sensing and Therapeutics in disease management”** on 22<sup>nd</sup> February 2018.
- Ministry of Corporate Affairs & The Institute of Cost Accountants of India- SIRC, Chennai and UGC sponsored programme on **“Investors Awareness -Dynamic Monetary Policies – Impact on Investment”** was organized by Department of commerce.
- Departments of commerce and Management jointly organized a Seminar on **“FAME Financial Literacy Programme”** sponsored by The South Indian Bank Ltd.
- Departments of BBA (CA), B.Com (CA), B.Com (e-Com) and B.Com (SF) organized an International Symposium on **“New Business Perspective – Challenges and Opportunities in Global Market”** on 05.02.2018.
- Department of Computer Science Organized a Workshop on **“.Net and PHP Programming”** on 10.01.2018.
- Department of I.T. organized **“Hands-on Training on Blog Creation”** on 19<sup>th</sup> July 2017
- A Workshop on **“Cloud Essentials”** was organized on 23<sup>rd</sup> August 2017.

#### **Intradepartmental meet**

- Department of BCA organized **“Bumble Bee V1.2”** on 20<sup>th</sup> February 2018.
- Department of BBA (CA) conducted **“Association of Invincible Managers (AIM 2018)”** on 8<sup>th</sup> February 2018.
- Department of Computer Science organised **“Fanaticuz-2018”** on 06.02.2018
- Department of B.Com(S.F) organized **“Juventus (2018) – Rejunvation of Commerce Youth”** on 23<sup>rd</sup> February 2018.

### Guest Lectures on Current Issues

S.No	Topics	Date
1.	Phonetics	20.02.2018
2.	Economic Impact of GST	12.09.2017
3.	Export Documentation and Procedures	23.10.2017
4.	Viewing Beauty of Mathematics in Euler's Identity & More	14.09.2017
5.	Differential Equations and Biological Applications	26.09.2017
6.	An Introduction to Intuitionistic Fuzzy Sets	18.01.2018
7.	Actuarial Science - Breif	05.02.2018
8.	Atoms in the service of mankind	31.08.2017
9.	Developing problem solving skills in Physics	22.09.2017
10.	Innovations in Physics	26.12.2017
11.	Fascinating Experimental Physics	19.02.2018
12.	Stereochemistry	30.08.2017
13.	Cheminformatics	25.09.2017
14.	Drug discovery from natural sources	20.10.2017
15.	Basic Aspects of kinetics and photochemistry	26.10.2017
16.	Polarography	30.01.2018
17.	Physiology of Menstruation and Menstrual Irregularity	14.09.2017
18.	Biosafety Bioethics and Intellectual Property Rights	09.01.2018
19.	Research in the emerging fields of Biology and Overseas Opportunities	26.02.2018
20.	Ayurvedicand Medicinal plants	28.02.2018
21.	Health and Diet	28.02.2018
22.	GST : What's What.	21.07.2017
23.	Investment Planning for Homemakers	21.07.2017
24.	An Overview of Capital Markets	06.02.2018

### Research Activities – Faculty and students

- No. of Doctorates produced during the year – 4
- No. of M.Phils produced during the year – 28
- 41 Research articles were published by faculty members in various National and International journals.
- 45 Staff members participated in various national and international conferences and seminars.
- 39 papers were presented by members of staff in various national and international conferences and seminars.
- Six of our students presented papers in State / National level Seminars, symposium and Conferences.

### Faculty Achievements

- Dr.R.Meera - was the Repartee in the International Conference, **Impact of Intellectuals, Ideologists and Reformists towards Socio-Political Transformation in 20<sup>th</sup> Century** held on 20<sup>th</sup> September 2017 at NGM College, Pollachi.
- S.Kalaiselvi delivered a Guest Lecture on “**Mathematical Cryptography**” at Vidyasagar College of Arts and Science, Udumalpet on 05.10.2017.
- Dr.N.Jeyanthi inaugurated the Math Association and delivered a Guest Lecture on “**Insights of Mathematics**” at N.G.M.College, Pollachi on 21.08.2017.
- Dr.N.Rajeswari delivered a Guest Lecture on “**Mathematical Modelling**” at Sri Ramakrishna women’s College, Coimbatore on 26.06.2017.
- R.Angel Joy gave an Invited talk in TNSCST Sponsored Programme on **Creation of Scientific on Mathematics in Nature Awareness** in the college on 10.01.2018.
- முனைவர்.ப.தமிழ்ப்பாவை **தனித்தமிழ்ப்பாக்கள்** என்ற தலைப்பில் 11.09.2017 அன்று ஈரோடு சிக்கய்யா நாயக்கர் கல்லூரியில் சாகித்ய அகாடெமி சார்பில் நடைபெற்ற தனித்தமிழ் நூற்றாண்டு விழா உரையரங்கில் பேசினார்.
- Dr.G.Yamuna was invited as Resource Person by **NIFT-TEA** College of Knitwear Fashion, Tirupur on 23.06.2017 to talk on **Everyday’s Moral Dilemmas**.
- Dr.K.Kaliammal was the Chair Person in **38<sup>th</sup> Annual Conference of Association of Economists of Tamilnadu**, on 28 & 29 October, 2017 for the session on Educational Policy and Dr. P. Geetha was the Rapporteur for the same session.
- Dr.S.Shenbagavalli delivered a Special Lecture on **Zamins in Kongu Nadu** at The Vanavarayar Foundations, Coimbatore.

- Mrs.S.Shobana, Head, Department of Computer Science inaugurated the PG Department of Computer Science Association (Spectrum -2017) and addressed the gathering on **“Cloud Computing”** on 21st September 2017 at Vidyasagar College of arts and science, Udumalpet.
- **Seven** of the faculty members attended the orientation course and three faculty members attended refresher course.
- NCC ANO Lt.Dr.P.Karpagavalli was nominated and selected by the Group head quarters to represent Tamilnadu, Pudhucherry and Andaman & Nicobar Directorate for the **Prestigious Republic Day Parade Camp** held at New Delhi from December 28<sup>th</sup> 2017 to February 6<sup>th</sup> 2018 and Tamil Nadu achieved Runner up position after 11 years. As team co-ordinator she got an opportunity to meet the **Honorable Prime Minister and Defence Minister and felicitated by the Governor of Tamilnadu and Pudhucherry.** She also represented Tamilnadu Directorate for Special Army Attachment Camp held at Parachute Regiment Centre in Bangalore from September 5<sup>th</sup> to 15<sup>th</sup> 2017.
- Dr.B.Sujatha, Physical Directress was the Resource Person in Leadership Training Camp on **“Personality Development”** organized by Department of Physical Education, Avinashilingam Institute for Home Science and Higher Education for Women University, Coimbatore on 03.11.2017.

#### IBM Career Education

S.No	Courses Pursued	No. of Students
1.	Software Foundation	455
2.	Software foundation with C programming	348
3.	Software foundation with C + + programming	31
4.	Cloud Computing - Advanced	175
5.	Rational Testing - Fundamentals	106
6.	Fundamental Course in predictive analytics using IBM SPSS	217
7.	IBM CE- Mobile Application Development	388
8.	Cognos	143
9.	BigData	162
	<b>Total</b>	<b>2025</b>



IBM awarded the college with **“Certificate for Building Capabilities in Area of Emerging Technologies using IBM Software”**.

### **ICT Academy**

- **31** students from II M.Sc.Computer Science, III B.Sc.Computer Science and III B.Sc.Mathematics attended the **“Youth Leadership Summit at Codissia Hall-E”**, Coimbatore on 23.08.2017.
- **100** Students from the Department of Computer Science, Computer Applications, Information Technology and Mathematics(SF) participated in the National Level Sales force **‘Trailhead Championship -2018’** organized by ICT Academy on 02.02.2018 and 03.02.2018.
- Through ICT Academy the Institution has become member of Amazon Web Services and Oracle Academy.
- The college received the certificate of appreciation as **“Active contributor”** in New India Student Championship 2018 - The largest Learnathon(24 hours challenge) organized by ICT on 02.02.2018.

### **Students Achievements**

- K.Shifaisha of IB.A English Literature, received the **“Illam Bharathi”** Award from Bharathiar University, CBE.
- K.Shifaisha, M.Stanoabarna of II B.Sc Physics & S.Yamuna, II B.Sc Mathematics participated in State level Debate conducted by Prof. Dhanabalan College of Arts and Science, Chennai and won **I prize with a cash award of Rs. 50,000/-**.
- P.Mahalakshmi of II B.A History participated in state level poetry competition at N.G.M College, Pollachi and won **I Prize with a cash award of Rs. 5,000/-** on 09.07.2017.
- Seven UG and PG Students of Economics and five students of Economics with Logistics and Freight Management participated in Inter Collegiate Competition – **“MAGANOMICS”** at Madura College, Madurai on 06.01.2018 and won I, II and III Prizes in all the competitions and won the overall shield.
- K.Poogodi – I BA, K.Uma Maheswari – II MA, P.Sujana – II MA Economics participated in Inter Collegiate Competition organized by Malcom & Elizabeth Adiseshiah Trust at PSG College of Arts and Science, Coimbatore on 31.01.2018 and won the I, II and III Prizes in all the competitions with cash award of **Rs.1,500 and Rs.1,000/- each**.

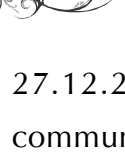
- **Five students** of III B.Com participated in the Intercollegiate Competition at Firebird Institute of research and Management, Coimbatore and won the I prize in Management Game.
- **Five students** of II B.Com participated in the Intercollegiate Competition at Sri Ramakrishna College of Arts and Science, Coimbatore and won the I prize in Treasure Hunt Game.
- **140 physics students** attended the Indian Association of Physics Teachers examination on 21.01.2018.
- K.Pazhaniyammal of III Chemistry got I prize in Essay Writing at NGM College, Pollachi She also got I Prize and Special Shield for Hand Writing in Udumalai Book Festival. She also bagged I Prize in Essay Writing at Nehru Aeronautical College.
- P.Savitha and R.Susmitha of III Chemistry secured I prize in Chem Quiz and E.Rajalakshmi of II Chemistry won I prize in Chem Food at Nirmala College of Arts and Science, Coimbatore.
- V.Shanmuga priya of III Chemistry got II prize in Chem speed at Gandhigram Rural Institute, Dindugul.
- S.Banupriya of II M.Sc.Mathematics attended IX Summer Training Programme in Mathematics during 10.05.2017 – 30.05.2017 in Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chepauk, Chennai. She also attended “**Nurture 2017**”- Learning Strategies for Postgraduate at Central University of Tamilnadu from 10<sup>th</sup> to 22<sup>nd</sup> Dec.2017.
- **15** of our II B.Sc Mathematics students participated in Miming, Math Sketching, Math Rangoli and Math Modelling competitions at Dr. SNS College of Arts and Science, Coimbatore on 09.01.2018 and won I and II prizes in all the competitions and won the I position.
- **12** of our II B.Sc Mathematics students participated in intercollegiate competition conducted by Thiruppur Kumaran College, Thiruppur on 16.02.2018 and won II prize in all competitions.
- **Five** Students of III B.Sc Mathematics(SF) won the first prize in Miming at Pioneer College of Arts and Science, Coimbatore on 20.02.2018.

- Online learning certificates earned by Students of B.Com – **1264**; BCA-168; Computer science-**160**; BBA(CA) -**54**; B.Com SF -**32** and B.Com(ecom) – **52**.
- K.Thilagavathi of I B.A.Tamil Literature (SF) participated in oratorical competition and won II prize organized by Udumalai Puthagalayam.
- **Seven** students of B.Sc I.T. participated in the intercollegiate competitions held at Sri Sakthi College of Arts and Science and won I,II and III prize in Mime, Debugging and Movie making.
- **14** of our English literature UG and PG students participated in the Intercollegiate competition conducted by APA College for women, Palani on 21.12.2017 and won II Prize in Drama , I Prize and II Prize in various competitions.
- V.Shilpa of I B.A.English literature( Aided ) got First Rank and won a **Gold medal in State level competition**, Test in English Usage conducted by Shakespeare Institute of English Studies, Chennai on 27.12.2017.

#### **Highlights of the activities of various clubs**

**College Union** organized a voter's awareness programme on 04.07.2017. **400** students applied for Aadhar cards and benefited. **115<sup>th</sup> birth anniversary of Karmaveerar Kamaraj** was celebrated on 15.07.2017. **Centenary celebrations of Dr.M.G.Ramachandran** was celebrated on 19.07.2017. **Joy of giving week** was celebrated in our campus; in connection with this stationeries and homemade food were provided to children residing in the nearby orphanage. **Dr,A.P.J.Abdul Kalam's** birthday was celebrated on 14.10.2017 by conducting competitions. **Vigilance awareness week** was celebrated from 30.10.2017 to 04.11.2017. **Tamizhar Thirunaal Pongal** festival was celebrated in our campus on 11.01.2018 in a traditional way with cultural events. All the **National days and Religious festivals** were celebrated in the ritual way.

**Environmental Club** organised an Extraordinary Meeting on 27.09.2017 in connection with **Wildlife week celebrations** emphasized the need for wild life conservation and endangered species. **400** of our I UG students participated in the **"Seed ball preparation"** from 25.09.2017 to 28.09.2017. **105** of our I UG students visited Thirumoorthi Dam on 23.10.2017 and observed various causes of pollution in drinking water and submitted a Project report on the topic **"Namadhu Kudineer Naam Kaapom"**.



**English Literary Association** organized *Lit Lang Zephyr -2018* from 27.12.2017 to 02.01.2018 to improve the aesthetic and literary values and communicative skills. 300 students participated in the competitions and won several prizes.

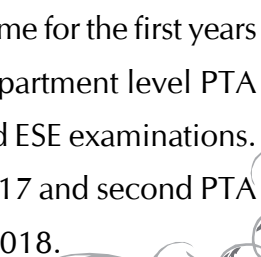
**Consumer Awareness club** organized Awareness programme on **consumer rights** and conducted workshop on **“Road Safety and Consumer Awareness”**. In the workshop 82 consumer club Students 4 Staff members received the consumer ID card. Essay Writing Competition was conducted on 21.02.2018.

**Media Club** conducted a competition on **“Interviewing a VIP”** for the students on 3<sup>rd</sup> January, 2018.

**Health and Hygiene club** in Collaboration with Municipal Office, Udumalpet conducted a meeting on **“Dengue Awareness Programme for Students”** on 19<sup>th</sup> July 2017. Mosquito Control liquid was sprayed in the hostel and college campus on 20<sup>th</sup> July 2017. De-worm tablets were distributed to all I year undergraduate students through health and hygiene club in association with Health Department, Udumalpet.

**Fine arts Club** organized Fresher’s day celebration to welcome the first year students and it was reciprocated by them. In the Navarathri Kalaivizha organized by NGM College Pollachi our students won I, II & III prizes in the competitions. In the competitions organized by Nehru College of Aeronautics & Applied Sciences in September 2017 our students won the overall Trophy. Our students won overall Championship Trophy in the competitions organized by Sri Ramu College of Arts and Science on 28.12.2017. The stall day was organized on 6<sup>th</sup> Jan. 2018 and Rs.63500/- generated through the stall day was handed over to the Students’ Aid Fund. Fine Arts Week celebration was organized from 6<sup>th</sup> December 2017 to 14<sup>th</sup> December 2017 to bring out the hidden talents of our students. Dr.O.Muthiah, Associate Professor Tamil, Gandhigram Rural University, Dindigul, presided over the fine arts week valedictory function.

**Parents Teachers Association** arranged an induction programme for the first years on 19.06.2017. Around 1000 parents of I UG students attended. Department level PTA meetings were arranged to discuss their wards performance in CIA and ESE examinations. First PTA meeting was arranged for two days 06.09.2017 & 07.09.2017 and second PTA meeting was conducted for five days between 12.02.2018 & 16.02.2018.



## Societal Consciousness and Participation

The college serves the society in three dimensions – Teaching, Research and Community engagement. Through NSS, YRC and RRC all Extension activities are carried out.

### NSS :

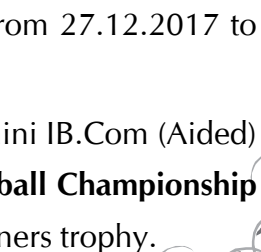
- International yoga day was celebrated on 21<sup>st</sup> June 2017 with the theme **“Yoga for Harmony and Peace”** 400 volunteers participated.
- NSS units of the college organized an Orientation programme to NSS volunteers on 18.07.2017.
- Swachta Pakhwara (Fortnight) – Cleanliness fortnight campaign was observed from 1<sup>st</sup> to 15<sup>th</sup> August. Campus cleaning, Library Cleaning and arrangement of books, rally, door to door awareness campaign were carried out. A Seminar on **“Swachta Pakhwara”** was conducted on 08.08.2017. **Mr.A.Sadhanai Kural**, RDO, Udumalpet, delivered a speech on “Swachta Pakhwara Mission” and **Mr.K.Ramesh Kumar**, Joint Director Swachh Bharat – DRDA, Tirupur gave a talk on **“ODF (Open Defecation Free)- Tirupur**. Oratorical Competition was conducted on the topic **“My Clean India”** on 09.08.2017.
- Dengue Awareness door to door campaign was organized during 10<sup>th</sup> – 12<sup>th</sup> August in association with Health Department of Tirupur District.
- Kit for Roof Gardening was distributed to the beneficiaries in association with Agricultural department and demo class was conducted on 07.08.2017.
- **4** NSS Programme officers attended training programme on the implementation of **“One Student, One Tree”** and Duchene Muscular Dystrophy held at Bharathiar University on 19.09.2017.
- An awareness Programme on **“Duchene Muscular Dystrophy”** for 400 of our NSS Volunteers was conducted. Rally around udumalpet areas on dengue awareness at S.V.Puram, Sathiknagar, Venjamadai, Kandiakavundanoor was conducted.
- Blood donor’s and Eye donor’s directory was created by NSS volunteers after identifying the donors.
- During 01.02.2018 – 07.02.2018 a Special Camp was conducted in the adopted villages (Kaniyur, Kadathur, Karathozhuvu and Jothampatti). **200 NSS Volunteers** participated in the camp. Various programmes were organized for the public in the adopted villages.



## YRC & RRC

- YRC & RRC volunteers participated in a rally to create awareness among the people regarding Dengue fever and preventive measures on 20.07.2017 and from 24.07.2017 to 28.07.2017 Pamphlets were issued to the public on Dengue fever and preventive measures.
- YRC & RRC in association with NGO – Youth Social Service (YSS) conducted an awareness rally on Road safety among the public on 21.02.2018.

## Achievements in Sports and Games

- S.Geetha of I M.Sc. Mathematics, K.Sasikala of I M.A. History, S.Gayathri and G.Punitha of I M.Sc.Computer Science represented Tamilnadu State in **Senior National Level Hockey tournament** held at Hariyana from 19<sup>th</sup> – 29<sup>th</sup> April 2017.
  - S.Geetha of II M.Sc Mathematics, S.Gayathri, G.Punitha and V.Mythili of II M.Sc. Computer Science, K.Sasikala of II M.A. History and R.Rajathilagam of III B.Com (CA) represented Bharathiar University in **South Zone Inter University Hockey tournament** organized by Annamalai University, Chidambaram from 06.01.2018 to 10.01.2018.
  - Our college Table Tennis team participated in **Bharathiar University Inter Collegiate Table Tennis Tournament** organized by RVS College of Arts and Science on 30<sup>th</sup> & 31<sup>st</sup> of August 2017 and won the Winner's trophy.
  - Our college Badminton team participated in **Bharathiar University Inter Collegiate Badminton Tournament** organized by Sri Vasavi College of Arts and Science, Erode from 12<sup>th</sup> - 14<sup>th</sup> October 2017 and won the Runner-up trophy.
  - S.Vaishnavi of I B.B.A.(CA) represented **Bharathiar University in South Zone Inter University Badminton Tournament** held at Andhra University, Vijayawada from 12<sup>th</sup> – 15<sup>th</sup> November 2017.
  - Abinaya Ramesh of II B.Sc Mathematics (Aided) and M.Mary Roselin of II B.Com (Aided) represented Bharathiar University in **South Zone Inter University Table Tennis tournament** organized by SRM University, Chennai from 27.12.2017 to 30.12.2017.
  - S.Gopika of III B.A. English Literature (SF) and E.Divya Dharshini IB.Com (Aided) represented Tamilnadu State in **South Zone National Throwball Championship** held at Chennai on 21<sup>st</sup> & 22<sup>nd</sup> January 2018 and secured winners trophy.
- 

- Our college throwball team participated in National level throwball Championship organized by MOP Vaishnav College, Chennai from 29<sup>th</sup> January – 1<sup>st</sup> February 2018 and secured fourth position.
- Our college throwball team participated in **State level throwball championship** organized by SA Engineering College, Chennai on 2<sup>nd</sup> & 3<sup>rd</sup> February 2018 and bagged second position with the cash award of Rs.4000/-
- S.Geetha of II M.Sc Mathematics represented **Tamilnadu State Senior National Hockey Tournament** held at Ranchi, Jharkhand State from 05.02.2018 to 10.02.2018.
- Our college hockey team participated in PSN Trophy - 2018 **National level Hockey tournament** organized by PSN group of Institutions, Tirunelveli from 15<sup>th</sup> – 17<sup>th</sup> February 2018 and bagged Runner-up trophy with the cash award of Rs.10,000.
- Abinaya Ramesh of II B.Sc. Mathematics (Aided) and M. Mary Roselin of II B.Com. (Aided) selected to participate in **State level Chief Minister's Table Tennis Trophy** held at Krishnagiri from 22<sup>nd</sup> – 24<sup>th</sup> 2018 and secured second and third position with the cash award of Rs.75,000/- and Rs.50,000/- respectively.

### **Achievements in NCC**

#### **Number of Cadets Enrolled in NCC- 104**

- 15 of our cadets attended the Nilgiri Trekking Camp from 03.05.2017 to 12.05.2017 and 22 attended the camp from 15.05.2017 to 22.05.2017.
- 15 of our cadets attended the CATC Camp held at KCT Coimbatore from 13.06.2017 to 22.06.2017 and the CATC Camp at PSG TECH Coimbatore from 24.06.2017 to 03.07.2017.
- Our cadet E.Aarthi III B.com. (CA) attended the TSC PRE-IGC Camp and TSC IGC Camp held at PSG TECH Coimbatore from 17.07.2017 to 26.07.2017 and from 25.08.2017 to 03.09.2017
- Five of our cadets attended the RDC Selection Camp held at Kongu Nadu College of arts and science, Coimbatore from 25.08.2017 to 03.09.2017.
- Three of our cadets attended the RDC Selection Camp held at CIT Coimbatore from 23.09.2017 to 02.10.2017.

- Six of our cadets attended the Special Army Attachment Camp held at Parachute Regiment Centre, Bangalore from 04.09.2017 to 15.09.2017
- Two of our cadets attended the PRE-IGC RDC held at KPR Institute of Technology, Coimbatore from 07.10.2017 to 16.10.2017.
- Two of our Cadets attended the IGC RDC Camp held at Bannari Amman Institute of Technology, Sathiyamangalam from 21.10.2017 to 30.10.2017.

### Placement

- Career Guidance and Placement Cell organized On –Campus drive for final year UG and PG students and ten recruiters constituting language management institutes, insurance companies and Business Process Management organizations participated in the drive. Four recruiters Nice Education, Visionary RCM, Future Generali and DLB Soft tech solutions are added this year and totally 1146 offer letters have been issued to the students.
- To expose the students about career opportunities available through competitive examinations a special guest lecture was organized for the II UG students and Mr.B.Mohan, Former, Vice President of UTI, SAIMA financial Planning, Coimbatore enlightened the students about the career options and how to get ready for the exams.
- To enable the students to face the interview confidently soft skill training programme was organised for III UG students. Mrs.P.Nithya Gowri, HR Consultant trained the students for self presentation, group discussion and personal interview.
- Aptitude Training classes was organized for III UG students in association with Anroit Technologies, IBM Business Partner.
- To facilitate and motivate the students to appear for competitive examination, aptitude training classes were arranged for II UG students spanning 30 hours with reputed trainers. The performance of the students is evaluated through continuous internal assessments.
- Mega Government Job Fair was conducted in our campus on 25/02/2018 exclusively for the public, organized by Tirupur District Employment Office at our college. Nearly 2150 candidates registered and 400 candidates got recruited.

#### Details of Single Placement

Course	Total Strength	No. Placed	Percentage
UG	795	608	76.48
PG	138	54	39.13




### Companywise Selection List

Name of the company	Number of students Placed
MPOWER	40
AEE BEE	134
Nice Education	143
Genio Gallent	270
Bright Star - CET	243
Bright star-HWT	50
Visionary RCM	29
INFOSYS	9
DICOM	51
Future Generali	27
DLB Soft tech solutions	106
INFOS -BPM	4
IDBI	40
<b>Total Count</b>	<b>1146</b>

#### Women's Studies Centre

- For Persons with Different Abilities on 14.07.2017 an Insurance Campaign & Self Employment Kit Distribution activity was organized by the college. 119 PWDs participated and 30 of them received the kits from Mr.G.Ravindran, Secretary of our college. Doctor's team from Lakshmi Hospital & Abirami Hospital and Danvanthiri Foundation (Insurance Team) assessed the beneficiaries.
- Mr. P.N. Rajendran M.Com, B.L., advocate conducted a guest lecture on Generating Awareness about Legal Rights for Women from 23.10.2017 to 27.10.2017. In this connection 126 of our students attended the online and written test and seven of them won the cash prize of Rs.7500/-.
- On 08.11.2017, 800 PWD's reported in the camp at GVG Auditorium for medical assessment and other government facilities, Mr.C.Mahendran MP, distributed limb for 15 persons and 300 PWD's received their pension.
- On 15.02.2018 Ms.Gordon Mya from Cheshire Homes, Tanzania, South Africa visited our college to evaluate the performance of PWD's. Mrs. Ann, Resource Head of PWD, Leonard Cheshire Homes, Bangalore also reviewed 15 beneficiaries.

Through **Skill Development Center** the courses arranged were: Tie and die & Bags making, Beautician Course, Tailoring, Organic Farming, Candle Making, Silk thread bangles making, Yoga for Human excellence, Self Healing and Health Enrichment and Coaching for Bank Exams.



Mrs. T. Amuthavalli, HoD. of English

Dr. R. Meera, HoD. of History

Dr. A. R. Thilagavathi, Controller of Examinations

Dr. R. Radhika, HoD. of Economics and

Dr. P. Renuga, Asso. Prof of English

deep sense of appreciation to the staff members retiring during 2017-2018 for their invaluable contributions rendered during their long years of service towards the successful academic journey of the institution.

### **About the Management**

The sixty seven years of grand legacy is scintillating with innumerable fruitful curricular and extracurricular activities and achievements trumpeting the glory of our exemplary management. We are ever beholden to the care and concern of the management for providing a right ambience to invigorate the teaching learning process. We are thankful to all the members of the G.V. Govindaswamy Naidu charities, the guardians of the GVG institutions for their perennial, munificent and unstinting financial support to carry out all the academic endeavours and scale up the achievements of the college. May the Almighty shower His blessings on all the members of the trust and their family's long life, health, wealth and prosperity.

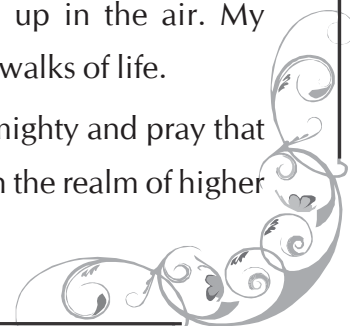
I am bound to express my sincere thanks to all the members of the staff for their utmost dedication in strengthening the roots of the education in G.V.G. and for making every day's effort a success.

My thanks to Director RD&C, Dr. K. Kannan for his support in administration.

My hearty thanks to all the non-teaching staff for their help and co-operation in the effective administration of the affairs of the college.

Our students are the true assets to the nation emerging out as empowered women endowed not only with strong academics but also with rich tradition and culture. They are successful torchbearers of the college holding the banner of G.V.G. high up in the air. My congratulations to my beloved students for their achievements in all walks of life.

I submit the laurels and success of the college at the feet of God Almighty and pray that the success stories of the college continue forever to create a niche in the realm of higher education.



### 3. ENGLISH ARTICLES

#### 3.1 WATER AND LITERATURE



Water is the elixir of life. All the living beings in the world need water to survive. In all the five elements water is considered as superior. It is used as a symbol of devotion and purity. In olden days human beings worshiped water as their goddess. In Hindu philosophy water is highly connected with spirituality. Apart from these, water has a great connection with literature. It is a preferable subject for most of the writers.

Many novels, poems and other stories have been written on the theme 'water'. The following works *A River* by A.K.Ramanujam, *The Bible*, *Thirukkural*, *Muktha Dhara* by Rabindranath Tagore, *Riders to the Sea* by Synge and *Prothalamion* by Spenser depict the inseparable connection between water and literature.

In *A River*, A.K.Ramanujam brings out the beauty of the *Vaikai* river and also the condition of the river in summer, which shows water scarcity. The poem is an evocation of the river. The poet refers to the river as a helping force as well as a destructive one. The water in the river makes all the poets imaginative and sing verses about it. The greatness of the poem lies in the fact that the traditional praise for river has been contrasted with what is actually experienced by the people during the floods.

##### The Bible and Water

Water and the Bible are very much connected. Water is mentioned 722 times in the scriptures. The first time water is mentioned in Genesis 1:2. Before there was anything; light, sun, moon, earth, plants, living creatures or anything else, there was water (Genesis 1:2)

The earth was formless and empty, and darkness covered the deep waters. And the spirit of God was hovering over the surface of the waters. (Genesis 1:2)

From the beginning of the Bible to the end water flows through the pages of scripture. The Bible and water speak of physical birth also. For that it gives a beautiful explanation. When a woman is in labor and the baby is about to be born, one waits for "water to break".

Then only the baby can come to this world. The Greek philosophers considered water to be the original wealth and all things are made from it. The word “water” is used in metaphorical ways in scripture. In both the old and the New Testaments, the word “water” is considered for salvation and eternal life which the Almighty offers to human beings.

Thiruvalluvar in his *Thirukkural* has mentioned greatly about the importance of water. In that the section *In Praise of Rain* deals with the glory of water. For instance,

“துப்பார்க்குத் துப்பாய துப்பாக்கித் துப்பார்க்குத்  
துப்பாய தூஉம் மழை”

The meaning of this couplet is , rain produces pleasant food for all the living beings in the world and rain itself serves as food for them.

Another couplet says

“நீரின்று அமையாது உலகெனின் யார்யார்க்கும்  
வானின்று அமையாது ஒழுக்கு”

Through this Valluvar says that the duties of life cannot be discharged by any person without water, so without rain there cannot be any flowing of water. Even before 2000 years, Thiruvalluvar wrote about the importance of water and its necessity.

Rabindranath Tagore’s finest play *Muktha Dhara* also deals with the theme of water. The play is a representation of a concrete psychology. The waterfall refers to a mountain spring which flows down the mountain slopes of Uttaraut into the plains and into the country called Shivtarai. The waterfall is the only water source of Uttarakuts. But at a point of time Technology intervenes and an engineer builds a dam which prevents the water flow through the slopes owing to which the people of Uttarakuts suffer. The yuvaraja Abhijit Singh treats Mukthadhara as his mother and sacrifices his life for its freedom. One can see the spiritual relationship between the prince and the waterfall in this play. He feels that the waterfall is like a mother to him. His birth is also near the water fall and his death, a heroic end is also in the water. The flow of the water, the beauty, the pleasant sound of the

falls, the connection and the holiness, everything are described in a marvellous manner.

Synge's *Riders to the Sea* is also considered as the best work of art related with water. It reveals the truth that man is nothing before water. This play deals with the misfortunes of a peasant - fishing family living in a cottage quite near the sea shore. The conflict in this tragedy is not in the mind of the chief protagonist, but between the protagonist and an outside power, the sea which symbolizes fate or destiny. In this, we can understand the contrast nature of water. Water serves as a source for their life and it is the water which destroys them in a second.

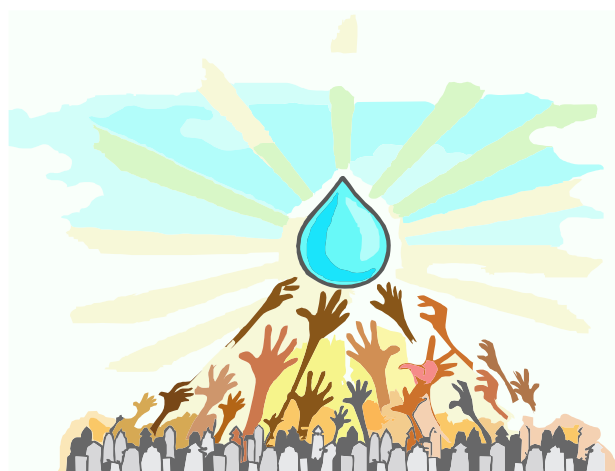
Spenser's *Prothalamion*, a beautiful poem about the conventional form of a marriage, has a wondrous description of the river Thames and Lee. In this poem, the river Thames is portrayed as the chamber of a bride adorned with flowers.

In another poem *The Waste Land* by T.S Eliot, the poet quotes from Spenser's *Prothalamion* and how the river is contaminated by the present generation.

All the above discussed pieces of literature show that how the writers handled water in an effective manner and showed the inevitability of it. Water is the beginning as well as the end.

*M.Swathi*

*II MA English Literature*



## 3.2 WATER DISEASES



Water covers 70% of our planet, and it is easy to think that it will always be plentiful. However, freshwater – the stuff we drink, bathe in, and irrigate our farm fields with – is incredibly rare. Only 3% of the world’s water is fresh water, and two – thirds of that is tucked away in frozen glaciers or otherwise unavailable for our use. As a result, some 1.1 billion people worldwide lack access to water, and a total of 2.7 billion find water scarcity for at least one month of the year.

Many of the water systems that keep ecosystems thriving and feed a growing human population have become stressed. Rivers, lakes and aquifers are drying up or becoming too polluted to use. More than half the world’s wetlands have disappeared. Agriculture consumes more water than any other source and wastes much of that through inefficiencies. Climate change is altering patterns of weather and water around the world, causing shortages and droughts in some areas and floods in others.

At the current consumption rate, this situation will only get worse. By 2025, 2/3 of the world’s population may face water shortages. And ecosystems around the world will suffer ever more. Water is a key player that controls almost the whole body and it also controls the diseases that are spread when adequate water is not available. Some of the diseases that are spread due to water scarcity are the following.

### 1) Trachoma (eye disease)

It is caused by a bacterium *Chlamydia trachomatis*. This bacterium causes the breakdown of the outer surface of the cornea, roughening of the inner surface of that eyelids or eyelid inversion and may also lead to complete blindness. This can spread directly or indirectly due to lack of clean water and poor sanitation. The bacterium can spread through unwashed hands or towels of the infected person.

### 2) Diarrhea

It is caused by a virus, bacterium or parasite and affects the intestine. The infection is spread from food or water that is contaminated from stool or directly from the infected person through contact. The flies are major carriers for spreading the disease by sitting on the faeces. It can be prevented by drinking loads of clean water, proper sanitation and by washing hands properly.

### 3) Amoebic Dysentery

It is similar to diarrhea but will be having blood stains on stools. It is caused by the amoeba *Endameba histolytic*. The mode of transmission is through contaminated water and food. These amoeba forms infective cysts on stools and spreads through flies or whoever has contact with the stools and does not wash hands properly.

### 4) Cholera

Cholera is caused by the bacterium *vibrio cholera*. This infection also affects the small intestine and the mode of transmission is same through contaminated food and water which contains human faeces containing the bacterium. Here also poor sanitation, poverty and scarcity of clean water are the major villains.

### 5) Giardiasis:

This disease is caused by the parasite flagellate protozoan *giardia lambda*. It mainly affects the digestive tract and almost all the digestive tract diseases are caused by the insufficient clean drinking water.

### 6) Typhoid

This is caused by the bacterium *salmonella typhi*. It mainly affects the intestine and spreads in the blood. This disease is also caused by eating or drinking food or water that is contaminated by the faeces of the infected persons which directly points to the scarcity of water.

### 7) Hepatitis A & E

This is a viral infection affecting the liver. The mode of transmission in all these diseases is by consuming water and food contaminated by the virus causing it.

### 8) Worm disease

Hook worm and guinea worm disease is caused by the corresponding parasites. It lives inside the intestine of the host and is spread through the faeces (which contains this parasite) contaminates food and water.



Diarrhea



Vomiting



Typhoid



Diphtheria



Hepatitis



Kidney Damage



Nerve Disorders



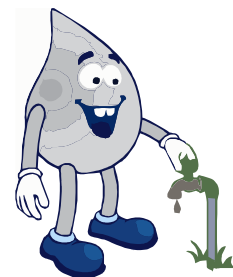
Skin Lesions

*M. Varshini*  
*III BSc. Mathematics*

### 3.3

# WATER

## Conservation and its Techniques



### Introduction

Water is the precious gift of God on the earth. Life exists on the earth because of the availability of water. It has no shape but takes the shape of any container we store it. We find it everywhere in rivers, seas, tanks, well, ponds etc. But we lack clean drinking water. Although the three fourth part of the earth is covered with water, we are in need of conserving it as there is only very less percentage of clean water.

### Why to save water?

In many parts of India and in some countries, people are facing high water scarcity. They highly depend on the government water supply and sometimes they have to fetch water from a long distance. The situation of lack of water becomes terrible as the people do not have enough water to fulfill their daily course like drinking, bathing, washing etc.

India is one among the countries which faces high level water scarcity. In some cities like Bangalore people buy water bottles worth Rs.25 to Rs.30 to drink clean water. In some cities people face more problems during summer months when the daily need of water increases. Recently, it is studied that around 25% of urban population lack clean drinking water. In some areas, the privatization of water bodies is the main reason for water scarcity.

The Goals of Water Conservation efforts include:

- i) Ensuring availability of water for future generations where the withdrawal of fresh water from an ecosystem does not exceed its natural replacement rate.

Don't let life slip down the drain

- ii) Energy conservation as water pumping, delivery and waste water treatment facilities consume a significant amount of energy. In some regions of the world over 15% of total 'electricity consumption' is devoted to 'water management'.

You never know the worth of water until the wells run dry

- iii) Habitat conservation where minimizing human water use helps to preserve fresh water habitats for local wild life and migrating water fowl, but also water quality.

The key activities that benefit water conservation are:

- i) Avoid any damage to 'water quality'
- ii) Improve 'water management' practices that reduce the use or enhance the beneficial use of water. One strategy in water conservation is rain water harvesting. Digging ponds, lakes, canals, expanding the water reservoir and installing rain water catching ducts and



filtration systems on homes are different methods of harvesting rain water. Harvested and filtered rain water could be used for toilets, home gardening, lawn irrigation and small scale agriculture.

Water Conservation Applications:

i) Household application

The home water works website contains useful information on house hold water conservation contrary to popular view, experts suggest the most efficient way is replacing toilets and retrofitting washers.

Water – saving technology for the house-hold usages

- Raw water flushing where toilets use sea water or non-purified water
- Rain water harvesting

ii) Commercial Applications:

Many water saving devices that are useful in homes can also be useful for business places.

- Water less urinals
- Water to water heat exchangers
- Cooling tower conductivity controllers

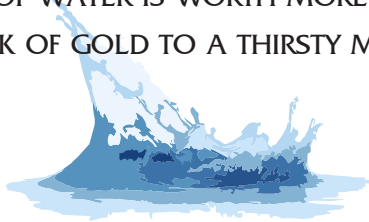
### **Rain Water Harvesting**

Rain water harvesting is one of the most effective and suitable methods of water saving techniques. Afforestation is the best method as it reduces the surface run off and recharges the ground water. It promotes underground water conservation. By practicing such methods we can conserve more water naturally and ensure the availability of it for future generations. We should take a pledge and follow the lifelong motto of “Save water, save life, save earth”. We should also practice keeping the river water clean and safe for future use and also to save water animals.

### **Conclusion:**

Water saving techniques should be promoted among people living in the societies, communities, villages including business sections as they are the main water users in a rough manner. Farmers, children, and women should be taught properly about how to use and save water in efficient manner. They must understand the value of water in their life. Clean water scarcity is not a problem of one country or continent; it is a global issue which needs to be solved globally by increasing awareness about it among people worldwide. We should protect drinking water from being dirty due to soil or water pollution

A DROP OF WATER IS WORTH MORE THAN A  
SACK OF GOLD TO A THIRSTY MAN



*S.Lavanya*

*III BBA*

&

*G.Poonkodi*

*II BSc. Chemistry*



## 3.4 WATER SCARCITY

Approximately one third of the world's population is suffering from water scarcity right now. Water scarcity is the lack of sufficient available water resources to meet water needs within a region. It affects every continent and around 2.8 billion people around the world at least one month out of every year. More than 1.2 billion people lack access to clean drinking water.

Water scarcity involves water shortage, water stress or defects and water crisis. The relatively new concept of water stress is difficulty in obtaining sources of fresh water for use during a period of time; It may result in further depletion and deterioration of available water resources. Water shortage may be caused by climate change, such as altered weather – patterns (including droughts or floods), increased pollution, and increased human demand and overuse of water. The term water crisis labels a situation where the available potable, unpolluted water within a region is less than that region's demand. Two converging phenomena drive water scarcity; growing fresh water use and depletion of usable fresh water resources.

Water scarcity can result from two mechanisms:

- Physical (absolute) water scarcity
- Economic water scarcity

Physical water scarcity results from inadequate natural water resource to supply a region's demand, and economic water scarcity results from poor management of the sufficient available water resources. According to the United Nations Development Programme, the latter is found more often to be the cause of countries or regions has enough water to meet household, industrial, agricultural and environment needs, but lack the means to provide it in an accessible manner.

Many countries and government aim to reduce water scarcity. The UN recognizes the importance of reducing the number of people without sustainable access to clean water and sanitation. The millennium development goals within the United Nation Millennium Declaration stated that by 2015 “Halve the proportion of people who are unable to reach or afford safe drinking water”.

WATER IS LIFE AND WATER MEANS HEALTH

*A.Rasitha Begum*

*II BA English Lit.(Aided)*

## 3.5 WATER IN THE FUTURE



“Water is the greatest of all things”, said the Greek poet Pindar. Many scientists presume that life itself began in water. There could certainly be no life without it; most living creatures consist mainly of water. But what if one day there is no water? What should we care about the water of the future, and what can we do about it?

Water is renewable, that although it’s used, it is never used up. But water usage is increasing. Although water covers three-fourths of the earth, 97 percent of it is salt water, and more than 2 percent is frozen in glaciers and icecaps. That means less than 1 percent of all water on this earth is usable, while water usage per person averages 100,000 gallons per year.

The world’s six billion citizens are already appropriating 54% of all the accessible fresh water. United Nation’s research shows that by 2025, we will use 70% and this calculation reflects only the effect of population growth. There is also another problem affecting the water system-pollution. Human and other animal wastes, toxic chemicals, metal and oils all pollute. The highest recorded level of sulfur dioxide pollution of any city in the world not only causes air pollution but also contributes to acid rain.

Italy’s longest river, the Po, now has pollution 10 times higher than officially recommended. It is estimated to discharge 250 tons of arsenic into the sea each year. According to a 1992 water resources survey, 40 % of America’s rivers and 45% of its lakes are impaired or in poor condition; the leading polluter was agricultural chemical run off.

Many governments have limited the amounts the kinds of waste that can be dumped into water. But pollution has not stopped. Many cities still release untreated sewage into rivers, lakes and coastal waters. Every year, some 300-500 million tons of heavy metals, toxic sludge solvents and other chemical wastes fallout from industries. As a result, high levels of mercury appear to be emissions from coal-fired boilers, municipal incinerators and smelters.

Another damaging effect is when large quantities of water are used to cool industrial equipment. Heat produced by the equipment makes the water hot, and as it's released into rivers and lakes, the heating causes thermal pollution, which can kill fish and plants. Every day, 6000 people – most of them children under five – die from diarrheal diseases. Water borne diseases including cholera, typhoid, polio, hepatitis A and meningitis kill more than 5 million people every year. Another 2.3 billion people suffer from diseases linked to dirty water. About 60% of all infant mortality worldwide is linked to water – related diseases. The earth is expected to support another 5 billion people by the year 2050. In 2020, the world's demand for fresh water was in the 2000.

Unless we take swift and decisive action, 2/3 of the world's population may be facing serious water shortages. Save the water for the future and share this beautiful planet with future generations.

***M.Divyadharshini***

*II CS(B)*

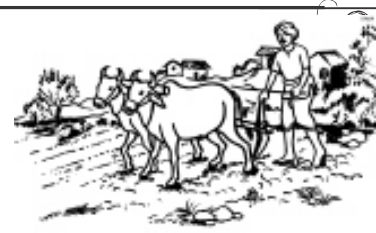


01. Set an alarm every hour to drink water
02. Buy a pretty water bottle
03. Use a straw
04. Spice water up with fruit
05. Drink one glass before every meal
06. Drink one glass before going to loo
07. Drink two glasses right before bed
08. Drink one glass before you reach for an unhealthy snack
09. Buy a 64 oz bottle and finish it everyday
10. Compete with a friend

***S.Sowmiya***

*II BA English Lit.(SF)*

## 3.7 LIFE OF A FARMER



### **Introduction:**

The farmer plays a significant role in our life since the beginning of civilization. We all depend upon agriculture to meet our food requirements. We get our food because the farmer grows crops and takes care of agricultural activities. Though, they feed the entire humanity, their life conditions are far from satisfactory.

### **Tough Life:**

The life of a farmer is very tough because he works very hard day and night in all seasons. During summer, he works under the scorching heat of the sun. During monsoon season, he gets wet while ploughing the field. During winter, he carries on his hard work in spite of the dull and cold weather.

### **Dependence upon nature:**

The life of a farmer is much dependent upon forces of nature. Adequate monsoon is required for agriculture. If the rainfall is adequate, the agriculture output would be good.

However, inadequate rainfall and long-spell scarcity of water may result into the situation of drought. As a result, agriculture gets affected and there will be an acute shortage of food which will lead to famine.

### **Economic factors:**

The farmer earns money by selling his crops. He remains happy if the crops are grown good. If the crops fail, then his life will become a miserable one. A farmer suffers even if there is an abnormal increase in the production homogeneously at all places. In such cases, the selling price of crops goes down and the excess crops get wasted.

### **Literacy:**

Most of the farmers of our country are illiterate. They can't read or write. Since, they are not educated, they are unaware of their legitimate rights. They are often cheated by money-lenders and they do not know to avail bank loans and facilities of government.

### **Poor hygiene and sanitation:**

Farmers have little education and awareness about the benefits of maintaining a good hygienic environment. Most of the farmers have no knowledge of the fact that drinking impure water may lead to health issues. Also, there is inadequate sewage disposal system in the villages. There are less than adequate medical facilities or trained nurses and doctors in rural areas.

### **Poor conditions of Farmers in India:**

The poor farmers without a favourable farming lead a miserable life. They work on daily wages in the farms of rich. Their wages are too low. Although they are the very backbone of our country, they belong to the class of have-nots. They have more children with more debts. They are the worst victims of poverty and starvation.

*How sad! Our feeders die for want of food.*

The farmers are like seeds that rot themselves to give fruits and flowers to others. The rich, who belongs to the class of haves, don't work hard to cultivate their land but live on the sweat and blood of poor farmers. They are not real farmers. They are mere land-owners. The real farmers are agricultural labours. They are known by their very look. It is a look of despair. They look more dead than alive. There is hardly a line of smile on their faces or a ray of hope in their hearts.

*What a society! ... We live in!*

### **Conclusion:**

Most of the farmers are simple, hardworking, sincere and honest. They always remain at the mercy of nature and God. The government has introduced several schemes for the benefit of the farmers. Let's hope that these benefits will reach the farmers and make them lead a better life.

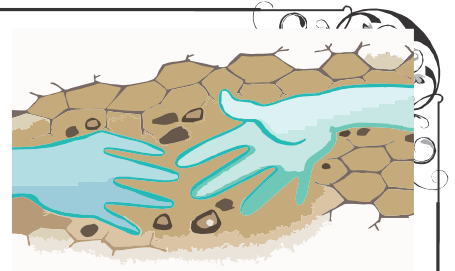


*A.Dharapriyadharshini  
II B.Sc. Chemistry*



### 3.8

## INTERLINKING OF RIVERS IN INDIA

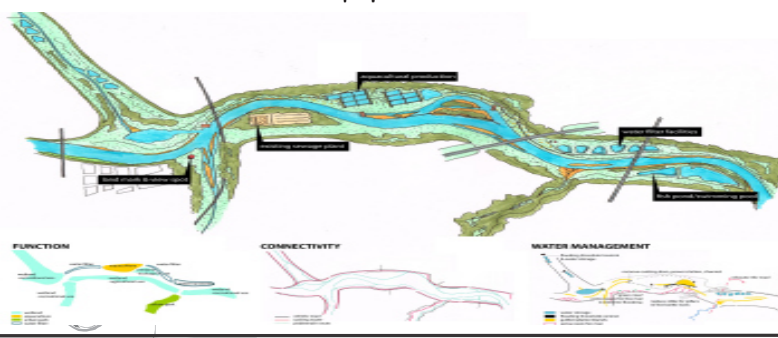


India's economy is mainly dependent on agriculture. Three-fourth of India's economy comes from agriculture and 67% of land is covered under it. Based on facts and figures of the productivity of food grains required, the question that arises: "Will India's water bodies fill, especially in southern India where water bodies are rain-fed?"

The ultimate irrigation potential of the country has been assessed at 140 million hectares – 76 million hectares from surface water and 64 million hectares from ground water. Though India is endowed with land and water resources, shortage is being felt. Our large water resources are exhausting rapidly too. And with a rapidly growing population and increased urbanization as well as industrialization the shortage is rather critical.

The ILR programme is aimed at linking different surplus rivers with water deficient rivers so that the excess water from the surplus region is tapped. The benefits are increased irrigation intensity, drinking water availability, industrial purposes and tackling droughts and floods. Annual food grain production is estimated at 200 million tones and the increasing population has pushed the need for more population.

The ILR programme has been planned at the Intra – and Inter – basin levels and expected to provide addition irrigation in about 35 million hectares and boost power generation to 30,000 MW. The canals built would also boost water – ways for irrigation, reducing pressure on road – rail transport and be cost effective. According to an estimate by WHO, economic losses due to floods and draughts during 1991 – 2001 stood at \$4,604 million. This programme has been estimated to help increase access to safe drinking water which is at present 92% in urban and 86% in the rural of the population have access to safe water supply.



*M.Smriti*  
*II B.Sc. Maths (SF)*



### **Introduction:**

India experiences an average precipitation of 1,170 mm per year or about 4,000 cubic mm of rains annually or about 1,720 cubic meters of fresh water per person every year. Some 80 percent of its area experiences rains of 750 mm or more a year. Vast area of India is under tropical climate which is conducive throughout the year for agriculture due to favourable warm and sunny conditions if provided with perennial water supply. Though the overall water resources are adequate to meet all the requirements of country, the water supply gaps occur due to temporal and spatial distribution of water resources going waste to sea.

### **Drought, floods and shortage of drinking water:**

Large area of the country is unfit for agriculture due to local water scarcity or poor water quality. The nation sees cycles of drought years and flood years, with large parts of west and south experiencing more deficits and large variations, resulting in immense hardship particularly the poorest farmers and rural populations. The uncertainty in onset of annual monsoon, sometimes marked by prolonged dry spells and fluctuations in seasonal and annual rainfall is a serious problem.

### **Precipitation pattern in India:**

It varies dramatically across distance and over calendar months. Much of the precipitation in India, about 85% is received during summer months through monsoons in the Himalayan catchments of the Ganges-Brahmaputra- Meghna basin. The north eastern region of the country receives heavy precipitation, in comparison with the north western, western and southern parts of the country.



**Lack of irrigation:**

Dependence on erratic rains and lack of irrigation lead to crop failures and farmer suicides. Despite abundant rains during July-September some regions in the other seasons see shortages of drinking water. Some years, the problems are occurred by too much of rainfalls.

**Water Pollution:**

Out of India's 3,119 towns and cities, just 209 have partial treatment facilities, and only a few Cities have full waste water treatment facilities. 114 cities dump untreated sewage and partially cremated bodies directly into the Ganges River. Downstream the untreated water is used for drinking, bathing, and washing. This situation is typical of many rivers in India. The Ganges River has been considered one of the dirtiest rivers in the world. The extreme pollution of the Ganges affects 600 million people who live close to the river has risen in proportion to the rise of population.

**Water quality issues:**

When sufficient salt export is not taking place from a river basin to the sea in an attempt to harness the river water fully, it leads to river basin closer and the available water in downstream area of the river basin becomes saline and alkaline water. Land irrigated with saline or alkaline water becomes gradually into saline or alkaline soils. The water percolation in alkali soils is very poor leading to water logging problems. Proliferation of alkali soils would compel the farmers to cultivate rice or grasses only as the soil productivity is poor with other crops and tree plantations. Interlinking water with water deficit rivers is needed for the sustainable productivity of the river basins.

**Water Supply and Sanitations:**

Water supply and sanitation in India continue to be inadequate, despite long standing efforts by the various levels. In spite of adequate average rainfall in India there is large area under the less water conditions. There are a lot of places where the quality of groundwater is not good. Due to lack of water, we are in need of saving rain water.

***SAVE WATER... SAVE LIFE...!***

***J.Rofina Rukhi***  
*II B.Sc. C.S.(B)*



### 3.10 TRADITIONAL WATER CONSERVATION SYSTEMS IN INDIA

History tells that both floods and droughts were regular occurrence in ancient India. Perhaps that is why every region in the country has its own traditional water harvesting techniques. The basic concept underlying all these techniques is that rain should be harvested whenever and wherever it falls.

Archaeological evidence shows that the practice of water conservation is deep rooted in the science of ancient India. The settlement of Dholavira, laid out on a slope between two storm water channels, is a great example of water engineering. Chanakya's Arthashastra mentions irrigation using water harvesting systems. Sringerapur, near Allahabad had a sophisticated water harvesting system that used the natural slope of the land to store the floodwaters of the river Ganga.

Here is a brief account of the unique water conservation systems prevalent in different part of India for decades before the debate on climate change even existed.

#### Water Conservation System - Places

- |                                |  |
|--------------------------------|--|
| 01. Jhalara - Jodhpur          | 11. Nadi - Rajasthan                         |
| 02. Bandhi - Allghabad         | 12. Bhandara Phad - Maharashtra              |
| 03. Bawari - Rajasthan         | 13. Zing - Ladakh                            |
| 04. Taanka - Rajasthan         | 14. Kuhls - Himachalpradesh                  |
| 05. Ahar Pynes - South Bihar   | 15. Zabo - Nagaland                          |
| 06. Johads - Karnataka         | 16. Bamboo Drip Irrigation - Nort East India |
| 07. Panam Keni - Jaisalmer     | 17. Jackwells                                |
| 08. Khadin - Jaisalmer         | 18. Ramtek Models - Maharashtra              |
| 09. Kund - Gujarat & Rajasthan | 19. Pat System - Madhyapradesh               |
| 10. Baoli - Delhi              | 20. Eri - Tamilnadu                          |

*R.G.Harinee*  
*II BSC. Chemistry*

### 3.11 WATER REUSE



Water shortage has become an increasingly difficult problem to manage. More than 40% of the world's population lives in a region where the demand for water exceeds its supply. The imbalance between supply and demand, along with persisting issues such as climate change and exponential population growth, has made water reuse a necessary method for conserving water. There are a variety of methods used in the treatment of waste water to ensure that it is safe to use for irrigation of food crops or drinking water.

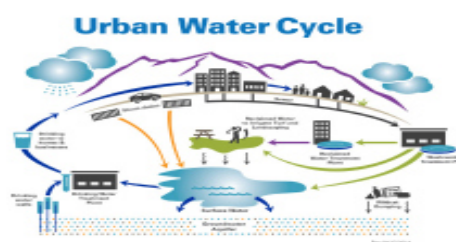
Sea water desalination requires more energy than the desalination of fresh water. Despite this, much sea water desalination of fresh water plants have been built in response to water shortages around the world. This makes it necessary to evaluate the impacts of seawater desalination and to find ways to improve desalination technology. Current research involves the use of experiments to determine the most effective and least energy intensive method of desalination.

Sand filtration is another method used to treat water. Recent studies show that sand filtration needs further improvements, but it is approaching optimization with its effectiveness at remaining removing pathogens protozoa and bacteria, but struggles with removing viruses. Large scale sand filtration facilities also require large surface areas to accommodate them.

The removal of pathogens from recycled water is of high priority because waste water always contains pathogens capable of infecting humans. The levels of pathogenic viruses have to be reduced to a certain level for recycled water which should not pose a threat to human populations. Further researches are necessary to determine more accurate methods of assessing the level of pathogenic viruses in treated waste water. Pure water is the world's first and foremost medicine.

*Thousands have lived without love,  
Not one without water.*

-W.H.Auden



**G.Siva Sakthi**  
I B.Sc.IT

### 3.12 HELLO, WATER SPEAKING

I have no colour  
You make me fear  
I have no odour  
You waste me greater

I have no shape  
But I am flexible to your hope  
I remove your worry  
You make me fury

I purify fluffy and hard linen  
You never turn your ear to listen  
I am in scarcity  
You protect bio diversity

You make me harm  
But I uplift your arm  
Save me! Save me! I cry  
With best resource management, will  
you try

**A.Rajalakshmi,**

*II MA English Literature*



### 3.13 DRY LAND

The sky looks blue  
The clouds without glue  
The land remains dry  
Waiting for cloud's cry  
With deeply sowed grain  
Seeking for the drops of rain  
Crack in the patch  
An end for seeds to hatch  
The deceived land awaits dark  
Pleading the sky to hark  
The empathized sky ordains the cloud  
Euphonious sound comes aloud  
Manipulative lightning and thunder  
Persuade rain to surrender  
Sacred drops reach the root  
Land shows gratitude thro shoot

**L.Selvanayaki**

*II MA English Literature*

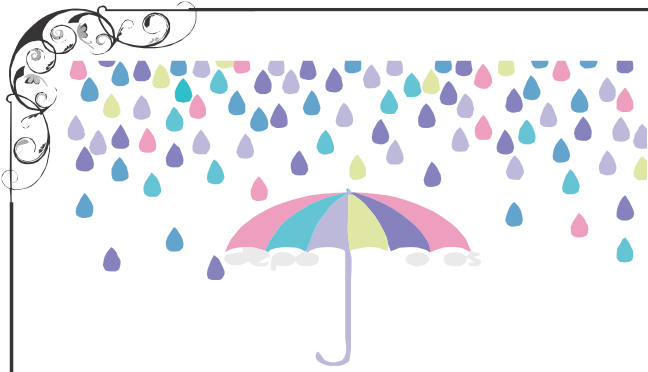


### 3.14 **SAVE RESOURCES**

*The fickle are most common  
And common in every breed  
It includes human beings  
The earth their temporary abode  
Resources are abundance  
In the magnanimous world  
Water resource an opulence source  
It flows in scatter  
Inadequate trees lessen its force  
Birds stop its visiting  
So there is no nesting  
It's time to scabble for water  
Hence humans pursue water.*

**K.Dhivyadharshini**  
II BA English Lit.(Aided)





### 3.15 RAIN DROP

A  
Drop  
Of rain is  
Like a sudden  
Knock at the door,  
Unexpected, yet often  
Welcomed with a smile.  
It can brighten your day or ruin  
Your plans. It can make you laugh  
Or make you sad. Whether the raindrop  
Moving faster or slower.  
Whether big or small  
It always getting everyone's attention  
Contains many secrets. A bubble of  
Anticipation and surprise clears  
The earth and fees the flower  
Rain drop never be silent  
Spatters on the window  
Splashes into puddle  
Bangs the roof  
Raindrop  
Is  
Ours  
So  
Save

**T.Sowndhara**

*II BA English Lit.(SF)*



### 3.16 FAILING FARMERS

Not just a care taker  
But a human feeder  
He works in fields  
To fulfill our needs  
He lends his sweats  
Make the world pleasant  
Without even robs  
Never counting his works  
Having no relation  
Enjoying any vacation  
Works without interval  
Being his life ignorable  
Forces to commit suicide  
Government to decide  
Something for their welfare  
Not for their own self affair  
Nothing to cherish  
Nothing to flourish  
Without any fair scheme  
Their death will be in mime  
It's time to raise everyone's voice  
To make the government to think  
wise  
The unstable rule  
Leaves farmers death cool  
Their worthy soul  
Made as fool  
Life without them a bad nightmare  
But no one shows any care  
Not just say 'Save Farmer'

**A.Suriya Prabha**

*II BA English Lit.(Aided)*



## 4. Independence Day Message



Good morning to one and all

My heartiest 71<sup>st</sup> Independence Day greetings to each one of you.

At the outset I express my sincere thanks to our Madam Principal and the Union Advisor Dr. N. Jeyanthi for giving me this opportunity

For myself as a Girl Scout from my school days, today, it gives me immense pleasure to stand here in this dais of our college saluting our National flag and our Nation for the long way that we have travelled since our Independence.

As India has completed seven decades of Independence, have we done enough to realize the promises made in the constitution?

India is the world's largest democracy. It is the only country in Asia that has remained democratic ever since it attained its independence from British rule. What have we done in these 70 years of progress and struggle?

A period that has seen famines, riots, bomb blasts, terror attacks, economic disasters, emergency, a tsunami, numerous large scale natural disasters, health issues and what not!

And yet here we are, more than a billion of us, with hope in our eyes, complaints in our heart and with the feeling of being an Indian in our souls. This is the greatness and strength of us. Yet we are weak in some areas.


We become patriotic on 15th August and 26th January every year, or when there is a India Pakistan match or a surgical strike happening in Kashmir. That is our default mode. When it comes to the rest of the days we simply confine our attitudes, sit and watch what is happening outside.

Every single freedom fighter who sacrificed himself and fought for the country, every soldier who donned the uniform and every common man who stuck to his ideals, are all the true heroes of this Nation. We may not know them but we have to thank them all.

Like- APJ Abdul Kalam, the most honest and simple man you will ever meet. His brilliance lies in his legacy that he has left behind.

Kalpna Chawla, the girl who made all of us proud. No words can describe her achievements at all.

San Manekshaw, the one man army, the Supreme example of a military leader who is still an inspiration for generations together.



After the completion of 70 years, we still have burning questions. At present, around 330 million people in India are suffering a severe drought, which has caused an acute drinking water shortage crisis. Despite the media outcry and political assurances, it doesn't change the fact that farmers don't have enough water to drink, let alone to grow crops with. What does independence mean to them?

With about 800 million people below the age of 35, India has the largest young population in the world, but doesn't have the infrastructure to sustain them. Data released by the Labour Bureau shows that there was a decline of more than 20,000 jobs across eight labour intensive sectors earlier last year. Job creation is down despite a record GDP growth.

India's road to development with the use of internet has been only 21%. India's GDP would increase by 1 trillion US dollars by 2020 if the entire population gets internet. There has been an exponential rise in the internet penetration in the country, but it has been a disturbingly disproportionate rise. Compared to the global median of 67 percent of the adult population having access to the internet, India's figure remains at a low of 21 percent.

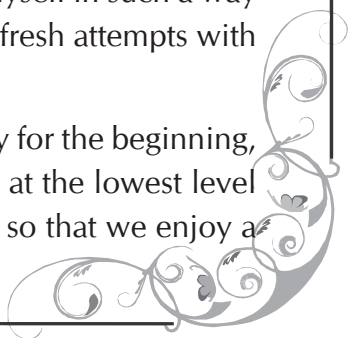
According to Telecom Regulatory Authority of India's (TRAI) report, the Mobile Internet in India only 9 percent of rural India has access to mobile internet.

How many Indians are deprived of their right to education? About 282 million Indians are illiterate. One in every three child in the age group of 7-14 is illiterate, says a study based on Census data. Over one-third of Indian population living in rural areas cannot read or write. The harsh fact is that the drop in illiteracy rate has not matched the rise in population.

There are still lists of areas which need to be addressed immediately and effectively. Who will respond to this? Our Honourable PM Sri Narendra Modi Ji, who has ruled Gujarat for more than a decade proved that he was able to bring great prosperity to Gujarat, using the same laws, officials, government machinery—that is, the same system. **The simple underlying message: Stop blaming the system, because the system is you, and you can do better if you want to.**

My dear students ask for yourselves, what should be my part in this? How can I make myself benefit out of the existing system or how can I evolve myself in such a way that I am able to make the new laws and generate new system? The fresh attempts with multifaceted outlook will be able to create a new horizon.

You are the potential source of every innovative idea. Let us start with an idea of establishing a very good civic sense. This at the lowest level would simply mean to keep our place and our area neat and clean, so that we enjoy a





good health and positive attitude. This nobody needs to teach us. Instead we can make others follow us by practicing it ourselves.

The second easiest thing that comes to my mind is knowledge sharing. The internet revolution is penetrating however it has not reached to the deepest areas of our city. This means as educated youth what are our roles? How can we help the people around us? By learning about a number of facilities that are offered by the government and other private organizations extend a timely help to the needy. Take part in the voluntary work as much as you can and satisfy your soul for the goodness you show to others.

For doing these types of activities you don't need to spend anything from your pocket. You can develop your own system and execute it in the best way you can in line with the simple message of our honourable PM Modi ji one simple example, the little girl Malala, the young educational activist who fought for women education from her age of 13.

Ajay Yadav, for example, has founded Roomi, a tech startup that offers an app designed to address the perennial problem of finding a likeminded roommate to share an apartment with - helping you to locate suitable candidates, assess them via chat, search for apartments together, and finally rent the apartment. Teju Ravirochan, fresh out of college, co-founded the Unreasonable Institute an accelerator for social entrepreneurs working to tackle the world's unsolved problems, from providing clean water to eliminating poverty. In fact, Ravirochan has helped nearly 150 social entrepreneurs.

Do not get disturbed by the technological and technical addicts. You can progress your activity with your own thinking and ability.

"Freedom is not like a flower, but like a mountain from which molten lava emerges and solidifies...

It is like clay that you can mould to create and it is up to you to create;

it is a choice to create...

Freedom is never giving up. Freedom is the absolute truth... and in truth there is valour..."

India is, and will always remain the biggest democracy and is one of the most flourishing nations— rich in culture and heritage, knowledge and intelligence, with the world's strongest army and even stronger citizens.

Let us try to get free this Independence Day instead of getting lost in the misty odour of hypocrisy, injustice and evils that cripple the society. It is not just a holiday or a day for great freedom sales but more than that.

Bharat Matha ki Jai!

Jai Hind!!

**Mrs. T. V. Banumathi**  
*Head & Associate Professor of Physics*

## 5. Republic Day Message

The day of republic is a festival when we have to take a solemn pledge of working for the welfare of mother India. A national festival is an occasion to refine, rebuild and dedicate ourselves in the interest of the nation. As rightly said by our Prime Minister, January 26 is a historic festival for all Indians, but today “January 26, 2018, will specially be remembered through the ages” as a festival of inspiration to take India to newer heights with .....

In 2022, we will celebrate 75 years of Indian Independence. In Indian culture, a 75<sup>th</sup> birthday is a big deal and an occasion to celebrate. Why don't we start preparing for it now? So on this day, I thought of giving some food for thought so you could plan your efforts and achievements before celebrating India's 75<sup>th</sup> birthday. Let's promise our motherland that we will do everything to enrich and preserve our heritage, our ethos and our treasure. Let us prove our strength of India's democracy, existence of an invaluable legacy inherited from our architects of the constitution. We have been built on the foundation of ancient cultural heritage, where we are told of only one mantra during Vedic period, which is indicative of our work culture, which we have learnt, we have memorized – “*Sangachchhdhvam Samvadadhvam sam wo manansi jaanataam.*” We walk together, we move together, we think together, we resolve together and together we take this country forward. Having imbibed this basic mantra, let us participate in taking our nation forward as of the 125 crores countrymen.

To realize the dreams of millions of Indians, the country cannot run on the lines of “it happens”, “it goes”. We have to sharpen the tool called the Government machinery, we have to make it keen, more dynamic, and it is in this direction that we have to work. Everybody is capable; everybody has a power and experience. I want to awaken that power in you; I want to unite that power and want to accelerate the pace of the welfare of nation through that power.

All our actions have to result in safeguarding the interest of the country. We have to analyse whether each of our actions have been directed in country's welfare or not? We have to rise above the feelings of “why should I bother” and “what does it mean for me” and instead we have to think that “I am for nation's interest and in this field, I am going to lead”. We have to inculcate this sentiment and reinstate the same. I want to say to you youngsters to lead the nation in the path of non-violence, clean India, corruption free India, digital India, tech savy India, cultured India, safe India, green India, beautiful India and in those lines. Why? What is the need? Inspite of all the developments in the past, still the poison of casteism, communalism, regionalism, discrimination on social and economic basis, political war are obstructing our way forward. Let's resolve for once in our hearts, let's put a moratorium

on all such negative elements and shall march ahead to a society with strength, peace, unity, goodwill, brotherhood and governance.

But how? There are only two tracks to take our country forward: good governance and development. Economic resources of the country should be utilised for the well-being of the poor. The world has undergone major changes; economics of the world have changed and, therefore, we have to act accordingly. We have to use education, capability of the youth, we have to strengthen economic activities, modernize manufacturing sector. Irrespective of the political parties give importance for the message behind the quotes “Come, make in India”, “Come, manufacture in India”. Sell in any country of the world but manufacture here. We have got skill, talent, discipline, and determination to do something. We have to give the world a favorable opportunity that comes here, “Made in India”. This should be our dream. Ensure that every one of us never compromise on two counts; zero defect and zero effect to ensure quality of all actions and safety of the environment.

The youth of India has to completely transform the identity of India into “Digital India” particularly among the general public. You have to imagine the quality of education the children in villages will get with Broadband Connectivity. You all have mobile phones in your hands; you have to walk in the direction of mobile governance. You have to help people to operate bank account from their mobile, demand things from the government, submit applications, and conduct business. E-governance is what we need to take the idea of ‘digital India’ forward. E-governance is easy governance, effective governance and also economic governance. E-governance will pave the way for good governance. There was a time when we used to say that the railways provided connectivity to the country, but today rails are connecting countries. Information Technology connect each and every citizen and help to realise the mantra of unity. Digital India has the potential to stand with the world on equal footing.

To make Swami Viveknanda’s statement true “I can see before my eyes Mother India awakening once again. My Mother India would be seated as the World Guru” everyone of you take efforts to render service towards the welfare of humanity. Create awareness among the people in your locality about conditions of health, cleanliness, atmosphere, greenery, cordiality etc. as a role Model. You be the agent of change and development. Being educated you educate your neighbours in terms of sanitation, agriculture, healthy food habits, digitalisation, anti-corruption, healthy Government, employment provider, skilled workforce and conducting research. Educate your neighbours that filling the granary is the biggest nation’s service that a farmer can provide.

India holds a very prestigious position on the world map!!.

Let’s pledge to take our country to new heights by expanding the word Republic Day as follows:

**Responsibility:** take responsibility to develop yourself, your family and your society

**Environment:** take care of the nature, creations and creatures

**Patriotic:** develop passion for your society, government and the country  
**Unity:** be united inspite of language, communism, race and boarders  
**Black money:** ensure corruption free India and help in weaking parallel economy  
**Laundering of money:** ensure digital transaction and prevent anti-social funding  
**Independence in thinking:** real creative minds drive upwards the creative powers of the human mind

**Cyber security:** Maximizing the use of technology to display strength and to contribute for progress.

**Development:** an insight into the system of society

**Attitude:** develop a positive attitude towards you and your environment and contribute for the development process

**Youth:** *Let's reform, perform, transform all fields of work for total transformation with transparency. Stress upon integrated development rather than the isolated development. Let's be the mantra of empowerment and not entitlement.*

All I have said is known to you, but certain things like rate of crime, rape, corruption, money laundering, bribery, medical mafia, import of agricultural products, terrorism, cyber crime, lack of digital awareness alarmed me to remind you what we need to do in the present.

சென்னை மாநகர துப்புரவு தொழிலாளர் வேலைக்கு விண்ணப்பித்தவர்களில் பலர் M.B.A., M.C.A., M.Tech., B.E., பட்டதாரிகள் Kodaikanal Boat house ல் M.Sc., M.Phil., படித்தவர்கள் வேலை செய்வது, பட்டங்களை வாங்குவது மட்டும் போதாது, நம் திறமைகளையும் வளர்த்துக் கொள்ள வேண்டும் என்பதை நன்றாக உணர்த்துகிறது. மலுமிச்சம்பட்டி நகராட்சி மாணவர்கள் படைகளாக செயல்பட்டு அவர்கள் கிராமத்தை Model Village ஆக மாற்றியிருக்கிறார்கள். இன்றிலிருந்து நீங்களும் Commando வாக மாறி உங்களையும், உங்களை சார்ந்தவர்களையும், நம் நாட்டையும் வெற்றிபாதையில் எடுத்துச் செல்லுங்கள்.

Let us together commence a reformed journey of peace, harmony and progress with great dedication and strength. Make Development a Mass Revolution by educating self, family and society so that you become teachers, serving the nation, and doing a job better to lead the World by 2022 in terms of human resources, effective governance, low-cost production and proving that there is no better place than India.

“Wisdom... comes not from age, but from education and learning.”

“Great acts are made up of small deeds.” We are Indians, firstly and lastly.”

“Jai Jawan, Jai Kisan”. *Bharat mata ki jai. Jai Hind. Vande Mataram!*

**Dr.N.Lakshmi**  
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