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NEOPHYTES OF ELT

RESEARCH

Dr. J. KARTHIKEYAN
Dr. NG YU JIN

NEOPHYTES OF ELT RESEARCH



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NEOPHYTES OF ELT RESEARCH


Editors

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Preface

Language is an essential requirement for anyone who wishes to advance personally, academically, or professionally. When it comes to Eastern countries, English is very important among the people. It is obvious that English has been adopted as the first or second language in almost all East Asian classrooms. However, English language teaching in these countries has been done solely through the use of literature written by native speakers or the works of regional writers in English. As a result, in most Eastern countries, distinguishing between literature and language teaching is difficult. This book includes research papers and reviews by English language researchers based on new teaching strategies in both literature and language classrooms, demonstrating that skill development occurs in literature classrooms, contrary to the popular belief that literary classrooms only produce language knowledge and grammar checks. This issue is a road map for language and literature classrooms aimed at achieving profound change in language learners, i.e. going beyond the surface of grammar and information.

Dr. J. Karthikeyan

Dr. Ng Yu Jin

NEOPHYTES OF ELT RESEARCH

35	Conceptualizing cognitive learning through drama and action using piaget's process of adaptation and assimilation M. Vimochana, Dr. M. R. Bindu	352
36	Non-concord in English Sentences Ollala Srinivas	364
37	Global Education in India S. Umamageshwari	373
38	Need And Importance of Leadership Quality Among Hotel Management Students – A Review A. Arun, D. Gunaseelan	378
39	Legislative reforms in education in the madras presidency from thomas munro upto charles wood's despatch A.Kodainila	386
40	Chemistry and Cuisine G. Rajesh Kumar, Dr. D. Gunaseelan	392

CHAPTER – 37

Global Education in India

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Abstract

Global Education is considered to be the best way to impart a wide range of knowledge among the young generation, when it comes to Global Issues in language education, language educators make their students socially responsible beings and it can be constructively implemented by language teachers. Language teachers have the greater responsibility of preparing the young generation to encounter the world with a conscious and open mind. India is a country with a huge amount of young population. People say that India has the power to rule the whole world with its young population, to make it happen in India we need global education. Language teachers, especially second language teachers, can put India forward by making their students efficient citizens. This paper aims to emphasize the importance of global education in India and how it can be effectively implemented by English language teachers.

Key Words: Global Education, Global Issues, English language, India, young generation.

Introduction:

Global Education, as the term suggests it allows people to know things that happen around the world and to do something about the issues. People have started to embrace the global education by knowing its importance, spotlight fell on Global Education in early 20th century, since then many conferences and organizations sprung up to reach larger number of people to let them taste the fruits of global education. As the people started to pay more

attention to it different kinds of definitions came up one of such from Maastricht Global Education Declaration (2002), which states that,

Global education is education that opens people's eyes and minds to the realities of the globalised world and awakens them to bring about a world of greater justice, equity and Human Rights for all.

Global education is understood to encompass Development Education, Human Rights Education, Education for Sustainability, Education for Peace and Conflict Prevention and Intercultural Education; being the global dimension of Education for Citizenship.

Global Education plays a vital role by making people aware of their contemporary, Cates has pointed out in his article, *Teaching for a Better World: Global Issues and Language Education*, that global education can facilitate four major things as,

- Knowledge about world problems is the first goal. If we want students to work for a better world, they must know the nature of world problems, their causes, and viable solutions.
- Acquiring skills—communication, critical and creative thinking, cooperative problem-solving, nonviolent conflict resolution, informed decision making, and the ability to see issues from multiple perspectives—necessary to solve world problems is the second goal.
- Acquiring global attitudes—global awareness, curiosity, an appreciation of other cultures, respect for diversity, a commitment to justice, and empathy with others—is the third goal.
- The final goal of global education is action—democratic participation in the local and global community to solve world problems. (41)

which are all the cornerstones of Global Education. Since, all of us are sharing a planet for our existence Global Education is a mandatory one. Through Global Education we can also teach tolerance to accept the differences among the human community and also the importance of other creatures on the earth. As the human beings get greater comfortability on the earth, the planet becomes vulnerable and losses its pleasantness to provide a good place to live in. The term 'Global Issues' refers to the "matter of public concern worldwide"; when we educate things of greater seriousness we can impart a sense of greater responsibility among the student community.

English language educators are the ones, who get more attention when it comes to Global Education, Why is that?

Language is a vital tool to communicate with one another, in a broader way, as technology developed we communicate our sufferings, happiness, experience, and thoughts across the world. There are lots of books and blogs, where one can express their notion, sorrow, information, or whatever they like. More than the other language teachers the English language teachers get greater opportunity to impart Global Education.

English language plays the role of Common Language, when a person expects his/her thought to reach worldwide English language can make it for him/her. In English language we have tons and tons of books, in both online and offline; blogs, news, videos and other things in which people talk about global issues like pollution, environmental awareness, climate change, human rights violation and lot more, these things not only allow its readers or spectators to know about the stuffs but also let the others to know what can be done to solve the issues. English language teachers are bestowed with a great opportunity to ingrain Global Education with good knowledge and wider vision. The English language text books for the sake Global Education include anyone of the Global Issues, but one topic cannot do the justice for an English Language teacher.

Language teaching can be effective only when the teachers make the students to come out of their seats and talk in front the class or else language class will become theory oriented class and students will never use the language in their real life. Language classes are the only classes where the students can get the liberty to talk and exhibit their talents. Language teachers are always held with the responsibility to create confident, verbally potential, and morally strong individuals, which makes the language teachers to be the soft skill trainers. These factors make it clear that the language teachers are the most capable people to make globally responsible citizens.

India's 40% of the population are the young generation, who are all between the age group of 13 and 35 years. These people are seeking good educators who can guide them to achieve greater heights in their life. Reaching greater heights can never mean earning money in ten digits or more than that, it always stands to create greater wonder in people's life. The language teachers are the ones who can widen the students' vision by making them aware of

various Global Issues, which are shaking the world. No educator can decide or prescribe one particular destination or an ambition for their students; an educator is expected to widen the students mind to see the thousands and thousands of opportunities available for them to do greater wonders.

In India we have 70.3 per cent children are studying in Government schools, as per Barman's article, these students tend to have a mindset that English language classes are all about English language and its Grammar, which are the things they can never be able to get. The English language teachers in India have to undergo greater hurdles to be successful in their profession in both school and college levels. As Pondra mentioned "Success of a teacher in his/her attempt in enabling the students to understand what is the concept taught by the teacher, depends on the methods he/she applies"(24), the effectiveness lies on the methodology applied by the teacher. Teaching is a wide field where the teacher has the liberty use the methodology they like. Language classes are the classes where the limitation to innovation is infinite, where the teachers can integrate innumerable qualities in each student.

When Global Issues are explored in an English language classroom it opens various doors to acquire knowledge and discuss various things, this approach has two beneficiary things, one way the students obtain a deep understanding about Global Issues and learn how to use the language effectively. The English language teachers can make the students to become aware of various global issues by conducting diverse activities, for instance, the teachers can organize debate competition on Climate Change, this would enhance their language potential as well as they will be able to learn diverse knowledge on that particular topic.

The future of every country lies in its young generation, who are going to be the future of every nation. Since India is a developing country with a lot of young minds, Global Issues in English Language teaching can pave the way for Indians to be part of great impact around the world, which will undoubtedly put India at par with other developed countries. This paper puts forth that Indian Education system needs its include Global Issues in its syllabus and also English language teachers have to integrate Global Issues in their teaching, which would enhance their wisdom to be game changer.

Reference:

1. Jacobs, George & Kip, Cates. (1999). GLOBAL EDUCATION IN SECOND LANGUAGE TEACHING. *K@ta : a Biannual Publication on the Study of Language and Literature*. 1. 10.9744/kata.1.1.44-56.
2. Cates, K., & Jacobs, G. M. (2006). Global issues projects in the English language classroom. In G. H. Beckett & P. C. Miller (Eds.), *Project-based second and foreign language education: Past, present, and future* (pp. 167-180). Greenwich, CN: Information Age Publishing.
3. Barman, Saurav Roy. "Enrollment in Govt Schools Rose by 5 Percentage Points in Pandemic Year: ASER Survey" [New Delhi]. *The Indian Express*, 18 Nov. 2021, [indianexpress.com/article/education/specials/government-school-enrollment-annual-status-of-education-report-2021-7627025](https://www.indianexpress.com/article/education/specials/government-school-enrollment-annual-status-of-education-report-2021-7627025).
4. Cates, Kip A. "Teaching for a Better World: Global Issues and Language Education." *Human Rights Education in Asian Schools*, vol. 5, 2002, pp. 41-52, www.hurights.or.jp/archives/pdf/asia-s-ed/v05/06cates.pdf.
5. Pondra, Rajender. "English Language Teaching in India: A Review." *Paripex - Indian Journal Of Research*, vol. 5, no. 2, 2016, pp. 23-25, www.worldwidejournals.com/paripex/recent_issues_pdf/2016/February/english-language-teaching-in-india-a-review_February_2016_0560941550_8300703.pdf.

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We thank our family members for the interest they have shown throughout the period of work and for lair moral support.

AUTHORS



UNIT- I

Office - Meaning and scope - Office Functions - Qualifications of Office Manager - Office Management - Definition - Elements of Office Management - Functions of Office Management.

UNIT- II

Location of an Office - Office Accommodation - Office Layout - Office Environment.

UNIT- III

Office Furniture - Factors considered in selecting office furniture - Types of office furniture - Office Appliances and Equipment - Importance - Merits and Demerits - Typewriter - Duplicators - Photo Copier - Franking Machine - Communication Equipment : Dictaphone - Intercom - Telephone - Telex - Fax - PABX - PBX - Uses of Computers in Office .

UNIT- IV

Mail service - Handling Inward Mail Service - Handling Outward Mail Service - Communications - Internal and external communication - Mechanical Devices for Oral Communication - Mechanical Devices for written Communication - Office Forms - Principles of Forms Design - Form Control - Continuous Stationery.



UNIT- V

Records Management - Objectives - Filing - Definition - Essentials of a good filing system - Centralized and Decentralized Filing System - Methods of Filing - Classification of Files - Indexing - Definition - Types.



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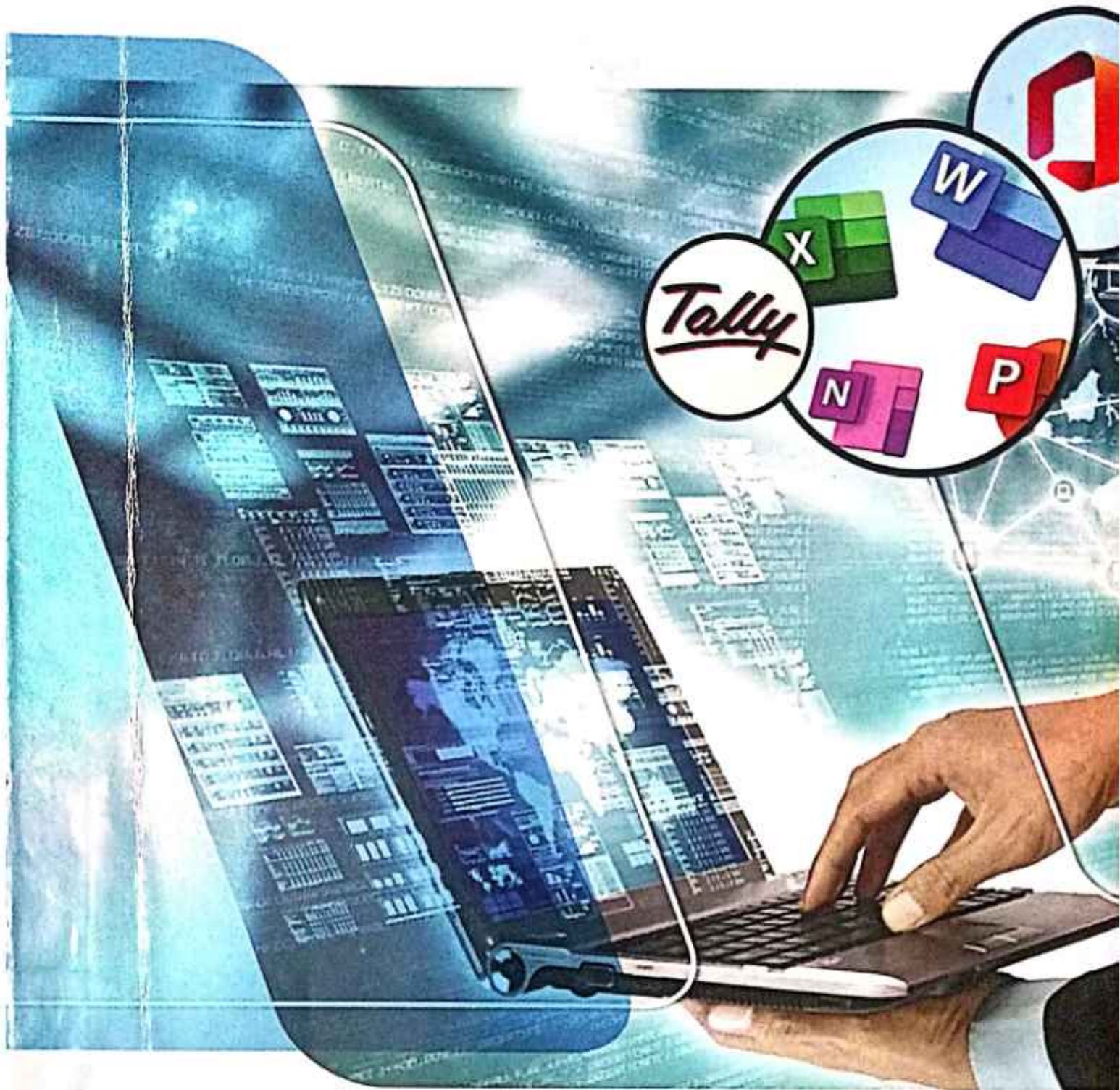
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CONTENTS

Chapter	Pg.no.
1. ENTREPRENEURSHIP DEVELOPMENT	
1.1 Businessman and Entrepreneur	1
1.2 Businessman Vs Entrepreneur	2
1.3 Entrepreneurship	3
1.4 Characteristics of a Successful Entrepreneur	3
1.5 Skills and Qualities of Entrepreneur	7
1.6 Functions of an Entrepreneur	8
1.7 Roles of an Entrepreneur	10
1.8 Classification of Entrepreneurs	11
1.9 Entrepreneurial Scene In India	13
2. GROWTH OF ENTREPRENEURSHIP IN INDIA IN POSTINDEPENDENCE	
2.1 Government Initiatives To Promote Entrepreneurship In India	16
2.2 Current Scenario Of Entrepreneurship In India	18
2.3 Key Highlights	18
2.4 The Future Of Entrepreneurship In India	19
2.5 Conclusion	20
3. FACTORS INFLUENCING ENTREPRENEURSHIP	
3.1 Economic Factors	21
3.2 Social Factors	23
3.3 Psychological Factors	26
3.4 Others	27
4. ENTREPRENEURIAL GROWTH	
4.1 Entrepreneur Vs Intrapreneur	28
4.2 Entrepreneurial Growth	29
4.3 Importance of Entrepreneurial Growth	31

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PREFACE

The book explains fundamental concept and techniques in greater depth, than traditional introduction. The book is an introduction for **Business Application & Accounting Software** general, including MS office and Tally.

Microsoft Office is a suite of applications designed to help with productivity and completing common tasks on a computer. You can create and edit documents containing text and images, work with data in spreadsheets and databases, and create presentations and posters.

Tally contained a book of account record the transaction details as entered. Although items are posted too many different ledgers, Tally. ERP 9 brings all the transactions of a particular category together into a book of account for viewing and printing.

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The author will gratefully acknowledge suggestion from both students and teachers for further improvement of this book.

I Wish our readers all the very best in their all endeavour.

AUTHORS

SYLLABUS

BUSINESS APPLICATION AND ACCOUNTING SOFTWARE

UNIT – I

Word and Excel

MS Word: Creating and Editing Documents –Menus, Commands, Toolbars and Icons—Formatting document – Creating Tables – Mail Merger.

MS Excel: Spreadsheet Overview – Menus, Toolbars, Icons-Creating worksheets – Editing and Formatting – excel Formulas and Functions – Creating a Chart Data Forms, Sort, and Filter.

UNIT – II

PowerPoint and Access

MS Power Point – Introduction – Menus – Toolbars – Text and Formats – Animation, Art and Sound – Making the presentation template.

MS Access: Database overview – Creating a database – Modifying table and Creating Form – Query – Creating reports – Mailing Labels.

UNIT-III

Tally

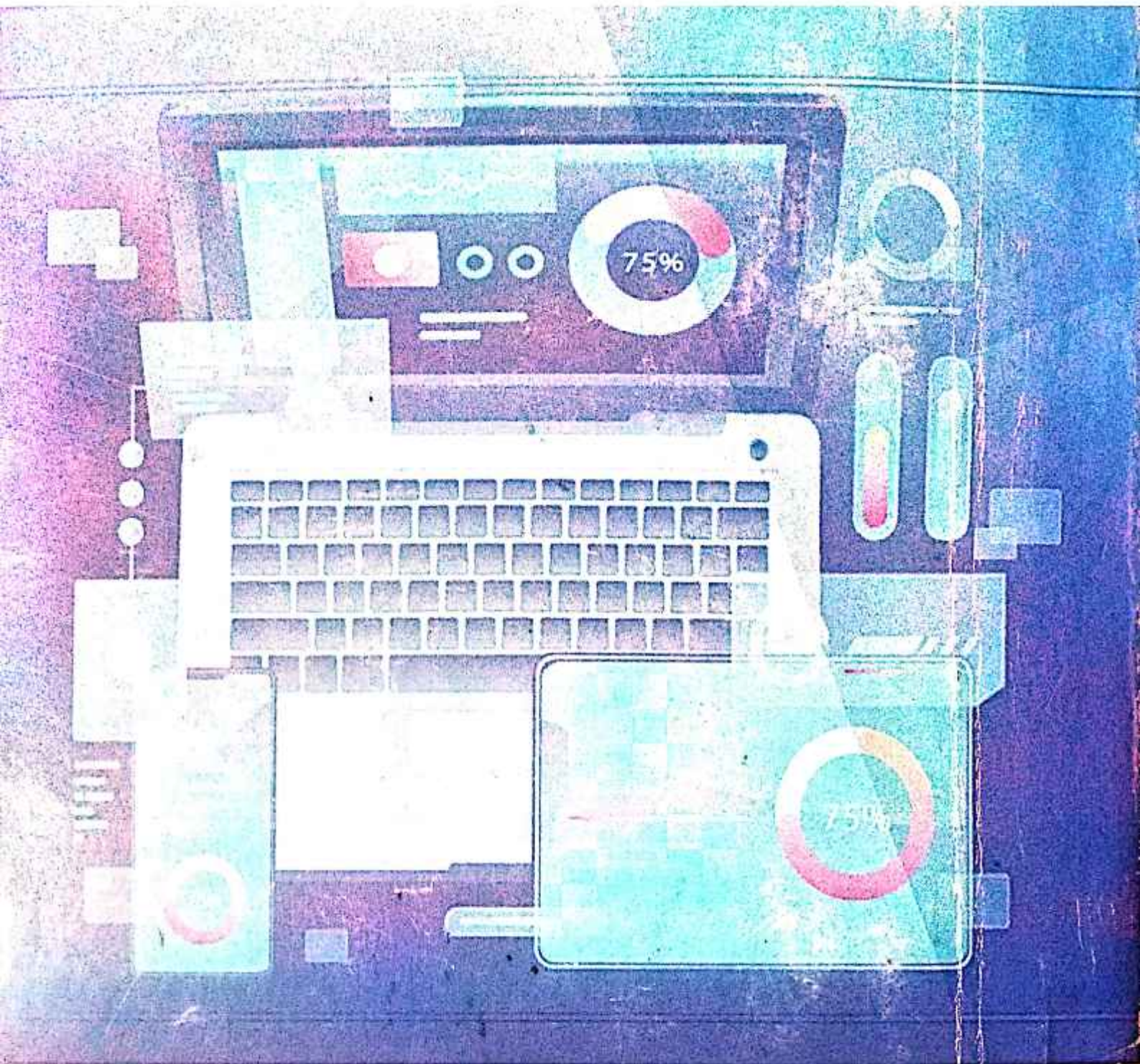
Introduction to Tally – Company Creation – Alter – Display – Accounts info – Ledger Creation – Voucher Creation – Bank Reconciliation Statement – Bill wise Details – Cost Centre and Cost Category – Multi Currency – Interest calculation – Budgets and Credit Limits – Day Book.

UNIT-IV

Inventory Inventory info – Stock Group – Stock Category – Stock Item – Unit of Measures – Godowns – Inventory vouchers – Re-order level and status – Batch-wise Details – Bill of Material.

UNIT-V


Taxation Statutory and Taxation – Value Added Tax (VAT) – Tax Deducted at Source (TDS) – Tax Collected at Source (TCS) – Service Tax – Security Control and Tally audit – Export and Import – Backup and Restore – Open Database Connectivity



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Fertilizers Usage in Agriculture and Crop Prediction Using ML Techniques

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Abstract :

India being a farming country, its cost-cutting measure for the most part workers depend on cultivation of crop and its growth connected with agricultural manufacturing products. In India, crop growing is for the most part subjective by rainwater which is extremely volatile. Crop growing also depends on diverse soil parameters, namely Phosphorus, Nitrogen, Potassium, Soil moisture, Crop rotation, and Surface temperature and also on weather aspects which include temperature, rainfall, etc. In India now is quickly progressing in the direction of technological growth. Technology will show to be favourable to agriculture which will boost crop production follow on in better yields to the cultivator. The proposed article provides a clarification for Smart Agriculture by monitoring the farming

DESIGN AND ANALYSIS OF **ALGORITHM**



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ISBN : 9 788195 478347

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PREFACE

The book explains fundamental concepts and technique in greater depth, than traditional introduction.

This approach will give a solid foundation to the readers for writing useful, correct, meaningful, maintainable and efficient code.

The book is an introduction for **Design and Analysis of Algorithms**. It is also a introduction to Computer Networks, one of the most widely used in real world of software.

T. J. S. Authors

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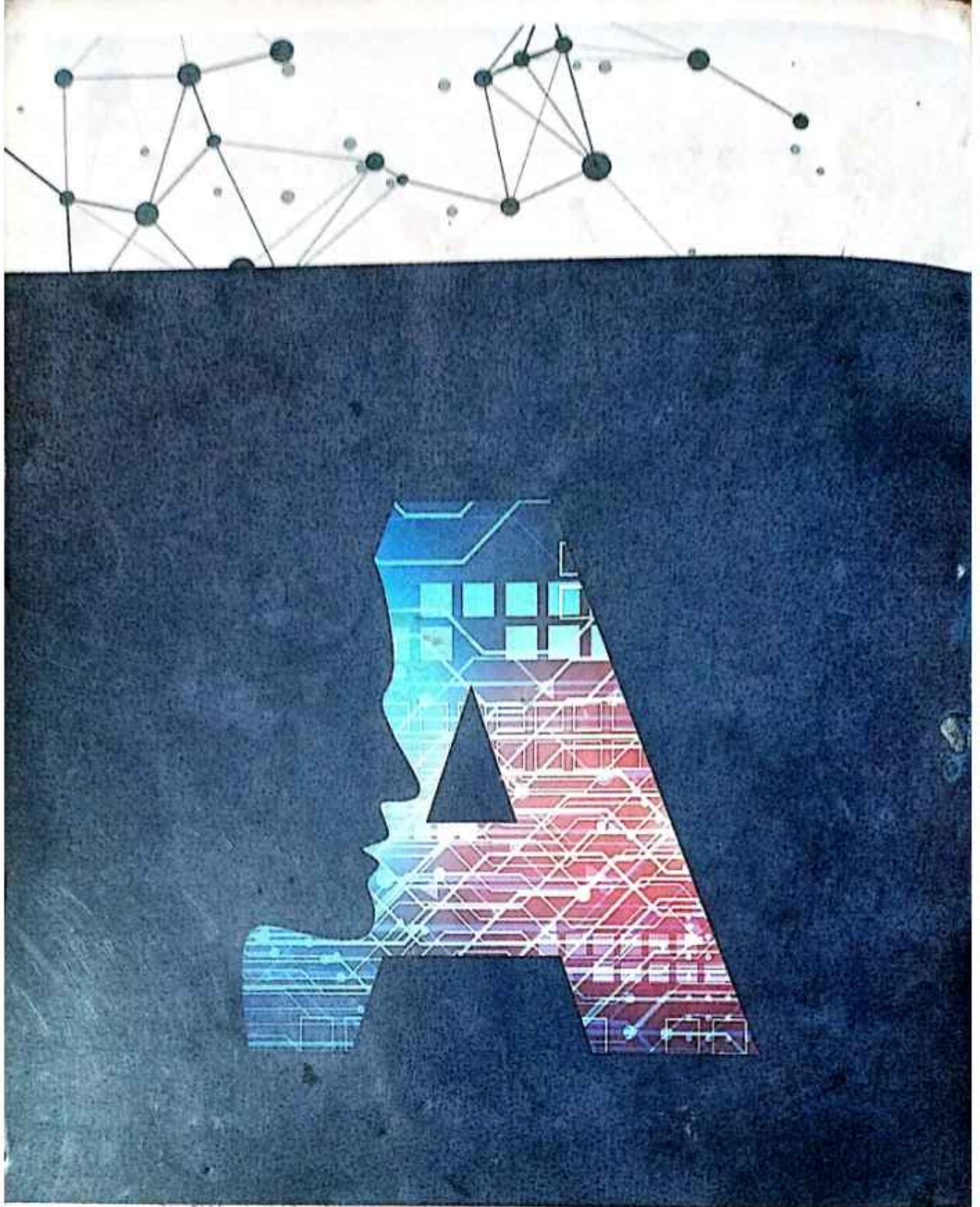
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By Authors

CONTENTS

Unit	Page No.
1. ALGORITHM AND ANALYSIS	<u>1</u> - 40
Elementary Data Structures: Stack – Queues – Trees – Priority Queue -Graphs – What is an Algorithm?–Algorithm Specification–Performance Analysis: Space Complexity– Time Complexity–Asymptotic Notation–Randomized Algorithms.	
2. DIVIDE AND CONQUER	41 - 74
General Method – Binary Search –Recurrence Equation for Divide and Conquer – Finding the Maximum and Minimum— Merge Sort – Quick Sort – Performance Measurement – Randomized Sorting Algorithm – Selection Sort – A Worst Case Optimal Algorithm – Implementation of Select2–Stassen’s Matrix Multiplications.	
3. THE GREEDY METHOD	75 - 102
The General Method – Container Loading – Knapsack Problem – Tree Vertex Splitting – Job Sequencing with Deadlines – Minimum Cost Spanning Trees – Prim’s Algorithm – Kruskal’s Algorithm – An optimal Randomized Algorithm – Optimal Storage on Tapes – Optimal Merge Pattern–Single Source Shortest Paths.	



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