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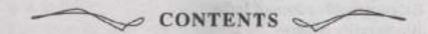
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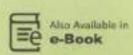
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Sustainable Development for Society, Industrial Development, Material, Energy and Environment: Key Issues, Opportunities and Challenge

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HELMINTHS: TAXONOMIC CHARACTERISTICS AND PROTOCOLS OF HELMINTH TAXONOMY

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Introduction:

The article overviews some basic taxonomic information of helminthic groups. Besides this it also provides basic terms of systematics and taxonomy and briefly explained protocols of collection, preservation, staining and mounting of Helminth Parasites.

Taxonomic Characteristics:

The word 'helminth' is a general term meaning 'worm', but there are many different types of worms. Prefixes are therefore used to designate types: platy-helminths for flatworms and nemat-helminths for round-worms. All helminths are multicellular eukaryotic invertebrates with tube-like or flattened bodies exhibiting bilateral symmetry. They are triploblastic (with endo-, meso- and ectodermal tissues) but the flatworms are acoelomate (do not have body cavities) while the roundworms are pseudocoelomate (with body cavities not enclosed by mesoderm). In contrast, segmented annelids (such as earthworms) are coelomate (with body cavities enclosed by mesoderm). Many helminths are free-living organisms in aquatic and terrestrial environments whereas others occur as parasites in most animals and some plants. Parasitic helminths are an almost universal feature of vertebrate animals; most species have worms in them somewhere. The helminths are invertebrates characterized by elongated, flat or round bodies. In medically schemes the flatworms platyhelminths (platy from the Greek root meaning "flat") include flukes and tapeworms. Roundworms are nematodes (Nemato from the Greek root meaning "thread"). These groups are subdivided for convenience according to the host organ in which they reside, e.g., lung extraintestinal tapeworms, intestinal roundworms. This chapter deals with the structure and development of the three major groups of helminths.

The helminths are worm-like parasites. The clinically relevant groups are

separated according to their general external shape and the host organ they inhabit. There

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are both hermaphroditic and bisexual species. The definitive classification is based on the external and internal morphology of egg, larval, and adult stages.

• Trematodes:

Adult flukes are leaf-shaped flatworms. Prominent oral and ventral suckers help maintain position in situ. Flukes are hermaphroditic except for blood flukes, which are bisexual. The life-cycle includes a snail intermediate host. Morphologically it is dorsoventrally flattened body, bilateral symmetry, and a definite anterior end is features of platyhelminths in general and of trematodes specifically. Trematodes are leaf-shaped, ranging in length from a few millimeters to 7 to 8 cm. The tegument is morphologically and physiologically complex. Trematodes bear an oral sucker around the mouth and a acetabulum or ventral sucker that can be used to adhere to host tissues. Body cavity is lacking. Organs are embedded in specialized connective tissue parenchyma. Layers of somatic muscle permeate the parenchyma and attach to the tegument. Flukes have a well-developed alimentary canal with a muscular pharynx and oesophagus. Intestine is usually a branched tube. The main branches may end blindly or open into an excretory vesicle. The excretory vesicle also accepts the two main lateral collecting ducts of the excretory system, which is of a protonephridial type with flame cells. A flame cell is a hollow, terminal excretory cell that contains a beating (flamelike) group of cilia. These cells, anchored in the parenchyma, direct tissue filtrate through canals into the two main collecting ducts. Except for the blood flukes, trematodes are hermaphroditic, having both male and

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- female reproductive organs in the same individual. The male organ consists usually of two testes with accessory glands and ducts leading to a cirrus, or penis equivalent, that extends into the common genital atrium. The female gonad consists of a single ovary with a seminal receptacle and vitellaria, or volk glands that connect with the oviduct as it expands into an ootype. The tubular uterus extends from the ootype and opens into the genital atrium. Both self- and cross-fertilization occur. The components of the egg are assembled in the ootype. Eggs pass through the uterus into the genital atrium and exit ventrally through the genital pore. eggs, except for those of Fluke schistosomes, are operculated (have a lid).
- **Cestodes:** As members of the platyhelminths, the cestodes, tapeworms, possess many basic structural characteristics of flukes, but also show striking differences. It shows the general features of the structure and development of tapeworms. Adult tapeworms are elongated, segmented, hermaphroditic flatworms that inhabit the intestinal lumen. Larval forms, which are cystic or solid, inhabit extraintestinal tissues. Adult tapeworms are flattened, elongated, and consist of segments called proglottids. Tapeworms vary in length from 2 to 3 mm to 10 m, and may have three to several segments. Anatomically, thousand cestodes are divided into a scolex, or head, which bears the organs of attachment, a neck that is the region of segment proliferation, and a chain of proglottids called the strobila. The strobila elongates as new proglottids form in the neck region. The segments nearest the neck are immature (sex organs not fully developed) and those more posterior is mature. The terminal segments are gravid, with the egg-filled uterus as the most prominent feature. Characteristic feature of adult tapeworm is the absence of an alimentary canal. Depending on the species, these organs consist of a rostellum, bothria, or acetabula. A rostellum is a retractable. conelike structure that is located on the anterior end of the scolex, and in some species is armed with hooks. Bothria are

- long, narrow, weakly muscular grooves that are characteristic of the pseudophyllidean tapeworms. Acetabula (suckers like those of digenetic trematodes) are characteristic of cyclophyllidean tapeworms.
- Nematodes: In contrast to platyhelminths, nematodes are cylindrical rather than flattened; hence the common name roundworm. Adult and larval roundworms are bisexual, cylindrical worms. They inhabit intestinal and extraintestinal sites. The body wall is composed of an outer cuticle that has a noncellular, chemically complex structure, a thin hypodermis, and musculature. The cuticle in some species has longitudinal ridges called alae. The bursa, a flaplike extension of the cuticle on the posterior end of some species of male nematodes, is used to grasp the female during copulation. The alimentary canal of roundworms is complete, with both mouth and anus. The mouth is surrounded by lips bearing sensory papillae (bristles). The oesophagus, a conspicuous feature of nematodes, is a muscular structure that pumps food into the intestine; it differs in shape in different species. The intestine is a tubular structure composed of a single layer of columnar cells possessing prominent microvilli on their luminal surface.

Collection Of Parasites:

Gastrointestinal Tracts – General: Dissect/remove the whole gastrointestinal tract and place it on petri dish with a thin layer (max 0.5 cm) of tap water: cut oesophagus before stomach, rectum close to the end, cut ligaments connecting GI tract to the dorsal side of body cavity. In water, using petri dishes of appropriate size (not too small, and plastic ones are practical in field), first uncoil the small intestine by cutting the mesenteries, separate the small and large intestine, and caecum, and process separately.

Stomach: Cut the stomach along the surface layer in a Petri dish with some water, and stir the stomach to spread the contents in water. Extra water may then be poured carefully away to see the contents better. Big nematodes are the normal findings, and their presence can often be observed already by the soft/loose structure of stomach wall.

Small intestine: Straighten carefully and simultaneously cut the mesenteries. Open lengthwise starting in the anterior by carefully sliding blunt tipped (iris) scissors to cut open and expose the lumen. Alternatively, dissecting can be started from the posterior end, allowing the dissector to encounter the posterior end of the worm first and thus more easily to save the scolex. This is recommended for newcomers. Try to slide the scissors along the intestine surface layer not to cut the potential tapeworms inside The SI can be cut into 2 or 3 segments to make the dissecting easier though the tapes may be cut accidentally this way. Stir opened SI in water in Petri dish to separate the helminths. Sometimes a tape scolex can be still attached to the SI wall; if so, let it relax for a while, and try again. Remove tapes to a separate dish in 1 cm of water (or more if a big tape) to relax. When taken out of the intestine, tapeworms are contracted and compact, and they must be relaxed (extended to natural shape) to make the internal organs visible for microscopy. Stir carefully the relaxing tape a couple of times so that possible intestinal debris will be detached from the surface. Change the water if there is too much "mud" and stir again. Too much debris on the surface of the tapeworm prevents the good microscopical visibility into the in internal organs. Record the location of the worm in the small intestine (first, second, or third part this is important because various species/species complexes have specific locations in the intestine). If the relaxing tape has no scolex, look carefully for the scolex in the water of the dissecting Petri dish -- this will be helped by using a dissecting scope or magnifying loop. Scolices hymenolepidids are tiny, hardly visible by

Caecum: Nematodes and small flukes may be present in the caecum. as well as short compact Anoplocephaloides tapes. It may be useful for a newcomer to run material through a small sieve to first discard some fine particulates. Often trematodes in the caecum of Microtus are covered with "greenish mud" and are difficult to separate from plant materials. Also some nematodes are relatively small and obscure (whitish, some millimeters). Dissecting microscope or good magnifying glass is recommended. If the caecum is large

naked eye!

(Microtus), it can be washed in two or three parts.

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Other organs: Helminths, especially larval tapeworms can be found in other organs, too. Most prevalent of these are larval Taenia species. There can be small or bigger cysts in liver, smaller or bigger (up to (1.5 cm) larvae free in the coeloma or thorax. There can also be small nematodes in the lungs.

Processing And Preservation Of The Samples:

Cestodes: Following collection from the small intestine and caecum, each specimen should be held in water for an extended period, minimum 2 hours, but preferably much longer. If the tapes have been dissected in the evening, they can well be relaxed in water overnight. This allows the tapeworm to fully relax, which is necessary to examine the internal structure of the proglottids (segments). Relaxation is very important for big and thick tapes. Some small and thin, especially the neck and scolex, and a shorter relaxation time is Ok, Following relaxation and death in water, all tapeworms will be preserved in 70% ethanol or 4% Formalin. Preservation should be done flat. This is done in a petri dish of suitable size overnight. It is good to have also large Petri dishes because the big cestodes are quite long, (up to 15 - 20 cm) when relaxed. The long ones can be fixed as a large circle, but be careful to uncoil the worm so that is really flat. Pour 70% ethanol or 4% Formalin into the Petri dish, and then carefully place the tape straight and flat on the dish. The big long tapes can be cut into two or three parts if the size of Petri dish does not allow fixing flat otherway. After fixing the tape long enough, the specimen is transferred to a vial with 70% ethanol or 4% Formalin. Use the appropriate size vial for the specimen so there is sufficient preservative.

Trematodes: Flukes can be relaxed in water, which often allows specimens to expel eggs that might otherwise obscure some organs. Preserve flukes in 70% ethanol or 4% Formalin.

Nematodes: Nematodes should not be held in water for extended periods of time, as osmotic pressure will eventually cause the specimen to burst. Specimens should be washed in water or saline and then soon preserved in 70% ethanol/

Glycerol. Keep parasites from different organ systems separate.

Labels And Notes: It is very important that all samples are well marked. The minimum is that there is paper label with a sample code number, written with pencil, in the vial, and the code number certainly refers to the right host individual. If several sample vials are used for parasites from one host, it helps to have them marked (e.g. 1/1, 1/2, or 1a, 1b). In the notes, the number of parasites found, their location (organ of digestive tract), should be marked.

Collection and Preservation Protocols of Cestode & Trematodes

- 1. Collect the Parasites from Intestine or other tissue
- 2. Take a Warm 4% Formalin or 70 % Ethanol for Preservation purpose
- 3. Transfer the parasites in 4% Formalin or 70 % Ethanol

<u>Staining & Mounting Protocol of Cestode & Trematodes</u>

- Cestodes/Trematodes remove from Formalin and Kept in Distil Water for 15 Min
- 2. Again, Kept in Distil Water for 05-10 Min.
- 3. Cestode/Trematode kept in 30 % Alcoholic Grade for 05 Min
- 4. Cestode/Trematode kept in Borax Carmine (alcoholic) for 05 Min (2-5 Min)
- Cestode/ Trematodes Kept in 50% Alcohol for 05 Min.
- 6. Cestode/ Trematodes Kept in 70% Alcohol for 05 Min
- 7. Cestode/ Trematodes Kept in 90% Alcohol for 05 Min

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- 8. Cestode/ Trematodes Kept in 100% Alcohol for 05 Min
- 9. Cestode/ Trematodes Kept in Xylene for 30 Second to 01 Min (Clearing Reagent)

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- 10. Take a Clean slide, add 1-2 drops of DPX on it
- 11. Mount the Parasite in DPX carefully, remove air bubbles if any
- 12. Add Cover slip with help of needle on Parasite carefully to avoid any air bubbles.
- 13. Kept the slide aside for proper drying. (01 days)
- Observe the slide under Microscope for identification.

<u>Collection and Preservation Protocols of Nematodes</u>

- 1. Collect the Parasites from Intestine or other tissue
- 2. Take a Warm Glycerol/ or 70 % Ethanol, Kept the Nematode for 05-10 Min
- 3. Transfer the parasites in Glycerine or 70 % Ethanol as a preservative

Mounting Protocol of Nematodes

- 1. Take a Cavity Slide
- 2. Add 01-02 drops of Glycerine in Cavity Slide
- 3. Nematodes remove from Glycerine
- 4. Mount the Nematodes in Glycerine containing slide.
- 5. Add Cover slip with help of needle on Parasite carefully to avoid any air bubbles.
- 6. Add a DPX/Nail Police around the Coverslip to Fix the coverslip Dry.
- 7. Observe the slide under Microscope for identification.
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THEORY PERSPECTIVES AND PRACTICES ACROSS DISCIPLINES





EDITOR DR. EKNATH MUNDHE

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DR. EKNATH MUNDHE

S. M. Joshi College, Hadapsar, Pune-28

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PREFACE

This book is wholly a collective venture. The aims to publish this book are bringing Scientists, Engineers, Academicians, Researchers and Professionals to exchange and share most recent Theory, Perspectives and Practices across Disciplines. Book is to allow share the ideas and promote the Theory, Perspectives and Practices in Science, Technology, Humanities, and Commerce & Management. To provide a premier interdisciplinary forum for Scientists, Engineers, Academicians, Researchers and Professionals to navigate the future research for better mankind. The book aims to provide a forum for the exchange of ideas on the Global Issues in Multidisciplinary Academic Research during recent times. The book aims to provide a common platform for researchers from the Academia as well as the Industry to publish their research work.

Dr. Eknath Mundhe

ACKNOWLEDGEMENT

The world is a better place where we live and lead the development around us. From time to time the professionals and academics play a more important role in enhancing the skills of the students. Intellectual role as a mentor is important in developing the talent of the student at various levels. Being professional educationists, we are happy to express our gratitude to our experience and to the authors who supported us morally in bringing out this book, which focuses on Theory, Perspectives and Practices in Science, Technology, Humanities, and Commerce & Management.

I would like to express my sincere gratitude to all the authors, researchers and reviewers, who provided their detail research and views for "Theory, Perspectives and Practices across Disciplines". I would like to thank my Teacher family. This volume is wholly a collective venture. This cause would not have been possible without the great efforts paid by all the authors and we are sure their valuable contributions increased the significance of the book. All the authors played an equal role in bringing out this book.

Dr. Eknath Mundhe

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CHAPTER-16

MEDICAL WRITING: AN EMERGING CAREER OPPORTUNITIES

Kalim Mansursab Shaikh

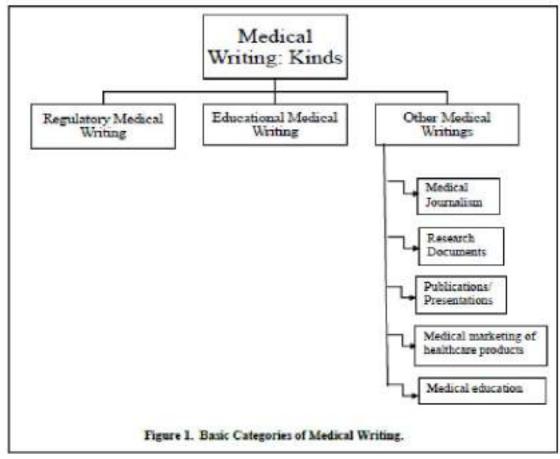
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1. INTRODUCTION

The healthcare and medical field are upgrading with innovations day by day. There is an increasing number of clinical trials on the newly formulated drugs and new advanced proposals on the research of medical science. This new advancement in research developed more drugs and upgraded medical devices and instruments. So there is a need to convey this new knowledge to the audiences in a proper, lucid, and meticulous way. Recently, there is a huge demand for qualified medical writers for pharmaceutical companies, business process outsourcing companies (BPOs), consulting firms, healthcare industries, and publishing companies. The other areas like academic medical institutions, contract research organizations (CROs), scientific content and healthcare communication companies, and non-profit organizations also need professionals with expertise in writing scientific documents. Medical writing is a field of science that deals with the presentation of scientific documents in a wellstructured and lucid manner to the target audiences. Medical writers may not be original scientists but they work with physicians and scientists at the time of data generation and help to present it in a well-structured manner. The demand for medical writers has raised in past few years because of more research studies and new findings in biomedical fields and the development of more advanced drugs and medical devices by the pharmaceutical companies. Many scientific documents need to be generated for submission to regulatory authorities for approval, with the addition of powerful platforms like the internet a lot of medical information is generated as web content for medical professionals and the general public. Medical professionals are intense to read the evidence available on the web data. The pharmaceutical industries have also standard medical writing as a distinct function, imperative in the drug discovery progression. The field of medical writing is a preferred global career opportunity for many life science and pharmaceutical graduates and postgraduates.

2. CATEGORIES OF MEDICAL WRITING

Following are the categories of medical writing



2.1. Regulatory Medical Writing

This involves the creation of documents for the regulatory agencies which need approvals for new drugs and devices. There is strict formatting to be followed for the writing of documents. This type of writing includes guidelines, protocols, and clinical trial studies.

2.2. Educational Medical Writing

Educational medical writing consists of the writing of scientific documents that educate about drugs and devices for healthcare staff or laymen. This could include medical articles for scientific journals, write-ups for continuing medical education, and even sales literature.

2.3. Other types of Medical writings

- a. Medical Journalism- Writing of articles in the newspapers and magazines mostly for the general public and laypeople. It needs to be written in simple and non-technical language.
- b. **Research Documents-** It includes Clinical trial protocols, investigator's brochures, informed consent documents, research proposals, and study reports.
- c. **Publication and Presentation-** It includes journal articles, manuscripts of case reports, review articles, abstracts, posters, presentations for scientific meetings and conferences.

- d. **Medical marketing of healthcare products-** In this type of writing consists of internet content for medical practitioners and patients, promotional literature targeted at healthcare professionals, product monographs, brochures, hand-outs, Salesforce training manuals, e-learning modules, etc.
- e. **Medical Education-** It involves textbooks, continued medical education (CME) program, slide decks for the physicians, and patient education materials for the patients.

3. BEGINNING AND PRESENT STATUS OF MEDICAL WRITING IN INDIA

When selecting medical writing as a full-time profession it is important to study the background and present status and progression of the field. In India, Medical writing was commenced in the early 1960s but on a smaller scale. The main purpose was to promote pharmaceutical products to general medical practitioners and doctors. In 1994 India signed the TRIPS (Trade-Related Aspects of Intellectual Property Rights) agreement and new patent law adopted in 2005 such a way medical writing began on a large scale after this. The great development and improvement in the medical writing field was reported since 2008. Till that time the clinical trial industries have been established in India. The other industries such as Clinical Research Organizations (CRO), Information Technology (IT), and Business Process Outsourcing (BPO) started looking at medical writing as an extension to their work. A natural extension of safety services is preparing aggregate safety reports known as periodic safety update reports (PSURs). Some of the knowledge processing organizations (KPOs) and BPOs started offering safety writing services like Periodic adverse drug experience reports, Canadian annual reports, IND reports, and annual safety reports for submission in various areas. This was followed by manufacturing, control reports, stability, and quality documents for approval and license of different products worldwide. Those companies were specialized in medical communication began offering documents of greater complexity by hiring Ph. Ds and medical professionals in greater numbers.

Medical writing has expanded significantly in India since it began as a commercial activity around 15 years ago. The number of medical writers engaged in different types of medical writing and employed across various types of organizations (IT/BPOs, KPOs, CROs, and communication companies) could be in the range of 1000–1500. As of July 2016, the Indian Medical Writers Association (IMWA), which is an academy of medical writers in India, mentions membership of over 1500 on its LinkedIn page (IMWA LinkedIn page, 2016). There are other similar, though smaller, professional bodies with listed members such as the All India Medical Writers Association. Many of these writers are pharmacy or life sciences graduates or postgraduates—some of them even with PhDs. A sizable number of graduates of alternative systems of medicine (homeopathy and Ayurveda) have taken up medical writing as a career and are doing well in the profession. Allopathic medicine graduates and postgraduates (MBBS or MDs) have entered the field mainly as medical reviewers or subject matter experts. Their role is primarily to review the documents prepared by the writing teams and provide clinical inputs and medical interpretation of data or prepare specific sections of documents that require greater medical insight, such as the benefit-risk analysis of a product. With the slowdown in the clinical trial industry in India in recent years, medical writing as a profession seems to have come into its own, and many life sciences graduates have taken up careers in medical writing. (Suhasini Sharma, 2017). It has been estimated that India handles 5-7% more regulatory writing than the USA in volume.

However, in terms of revenue, the figure is much smaller, and globally, a significant part of writing is still done from high-cost destinations such as the USA and Europe, with most being done in-house. In the field of promotional medical writing, only a small volume of work is done in low-cost regions such as India. The global market for medical writing was estimated to be around \$1.3 billion in 2013 ((Beroe Inc, 2016). No hard data exist on the annual volume of the medical writing business delivered from India. However, compared to the global medical writing business, this figure could be small (\$50 to \$70 million), and there is tremendous scope for the growth of this business in India, provided we overcome the challenges we currently face (Suhasini Sharma, 2017).

4. NEED OF QUALIFICATIONS AND SKILLS FOR MEDICAL WRITTING

- **4.1.Academic qualification:** A first degree in a life science with good command on English communication. Sometime may require advanced post graduate and Ph.D. degrees in the specific science subjects such as microbiology, physiology, anatomy, biochemistry, biotechnology and pharmacy. If the candidates having a basic knowledge and understanding about related fields human anatomy, physiology, diseases and their treatment they do not need the medical and science qualification.
- **4.2. Skills and Abilities:** With the basic need of academic qualification the candidate should be retain following skills and abilities.
- a. Domain Knowledge: Medical writer must have a knowledge about medical terminologies and writing the technical documents related to therapeutic area e.g. cardiology or neurology. Medical writer also involved in the preparation of clinical research and regulatory documentation like trial protocols, investigators brochures, and clinical study reports of different phases and guidelines about clinical research. Similarly, medical writers writing safety reports need to understand the drug's safety process and reporting prescribed by the various regulatory agencies.
- b. **Statistical Knowledge:** Every medical writer should know the various statistical tools and techniques like intervals, regression analyses, randomization schemes, P values and t-tests for the presentation of clinical research in the form of statistical format. The results of clinical research must be communicated in a statistical manner that allows clinicians to assess it critically the quality and reliability that might improve the clinical practices.
- c. **Knowledge of Technical guidelines:** The medical writer should know and be updated about the guidelines released time to time by the different regulatory authorities. USA, EU and Japan have evolved a set of common guidelines International Conference on harmonisation guidelines (ICH) regarding the drug development and registration. In addition, with this national regulatory authorities having their own specified requirements. Various guidelines are available related writing of clinical study reports (ICH E3), patient's information leaflets, clinical overviews, periodic safety reports (ICH E2C) and other documents required for submission before the regulatory authorities. The instructions, new guidelines emerge, old ones are revised, publication practices, guidelines for reporting clinical trials, the International Committee of Medical Journal Editors (ICMJE) guidelines for manuscripts are available on the websites. This knowledge must be with the medical writer.
- d. **Language fluency:** The main job profile of a medical writer is to communicate scientific information. Along with the knowledge and understanding of the scientific aspects, the

writer needs to present the data in a clear and lucid manner at a level understanding to the target audience. The use of grammatically correct language, simple and short sentences, active voice, appropriate punctuation marks, and a logical flow of ideas can be making the information understandable to the readers.

- e. **Reference searching skill:** In the public domain huge data of scientific information is available. In addition to this the reference books, medical journals and databases like Medline, PubMed, EMBASE and Micromedex are commonly used as the sources of medical information. The medical writer should have the skills to search the specific and desirable references from the huge source of data. Writer can do this with the correct search and select only the authentic sources, planning search strategy and use of correct keywords.
- f. **Interpretation and presentation skill:** Medical writers must have enough knowledge of interpretation of research data and presentation of data in various forms like text, table graphs etc. Writer know the research topic and able to understand the research design and data so as to interpret and present it to the readers. If the data is presented in tables and graphic form it can be understand easily.
- g. **Ethical and legal concerns:** The issues of concern to medical writers are giving honest and complete information including negative outcomes, following copyright laws, not indulging in plagiarism, following authorship criteria for research manuscripts and respecting journal assessment process.

5. GUIDING SOURCES FOR THE MEDICAL WRITER

Some major guiding sources for the medical writers are many local and national medical writer associations such as American Medical Writers Association (AMWA). It is an organisation for writers, editors and other communicators of medical information was founded more than 70 years ago. AMWA has grown since 1940 and had more than 5000 members in the US, Canada, and 30 other countries. The European Medical Writers Association (EMWA) founded in 1989 has over 1000 members from different 39 countries including 12 countries outside Europe. The All India Medical Writer's Association (AIMWA) is recently came in existence in 2007. It works toward supporting the medical writing service in India to meet international standard, providing a platform of acknowledgement for professionals in medical writing (Aishwarya Das, 2019). Apart from this some other sources like LinkedIn groups, writing courses, short courses, workshops by professionals, In - housing training, Online networking groups, Blogs and advice etc. also useful to the medical writer for updating knowledge in the related field and trained well in the said field and work efficiently as a good medical writer.

6. PLACES FOR RECRUITMENT AS A MEDICAL WRITER

Medical writers work in the different work-place environments ranging from office-based to home-based positions, from being employed to working as an independent freelancer. Recently, with the availability of reliable internet access, some companies have adopted the strategy of allowing employees to work from home partially or permanently and the medical writing profession is in the forefront of this telecommuting trend. Medical writers can be recruited in following various suitable places as an employee.

1. Pharmaceutical companies, contract research organisations (CROs), and communications agencies, as well as in regulatory agencies and non-profit organisations recruit the

medical writers. If someone prefer to work for a CRO where you are likely to get to work on projects that cover a wider range of diseases and treatments. CROs provide services to pharmaceutical companies, ranging from conducting clinical trials to getting products registered with regulatory authorities. In general, medical writers in pharmacy companies and CROs are involved with preparing a range of documents for these regulatory submissions, including protocols and final reports for clinical trials, annual safety updates, and marketing authorisation application records.

- 2. Scientific content and healthcare communication companies.
- 3. Media, publishing companies and Medical journals, Academic medical institutions.
- 4. Medical and scientific societies.
- 5. Healthcare websites.
- 6. Self-employment- Many writers also work on a self-employed basis, which is an attractive option for some people. This will allow to develop the skills that need, and gain the necessary contacts and experience.

7. CHALLENGES AND SOLUTIONS OF MEDICAL WRITING IN INDIA

1. Lack of technical writing skill:

In India most of the medium of science education is in English but still the writing skill is not efficient. We use long sentences without considering the grammar, sentence formation and punctuation. This make the sentence with ambiguous meaning and also the article becomes lengthy. We need to be conscious about two things mainly what we are writing and what manner we can present it. It is essential to emphasize on technical writing rather than the use of articulated English and adopt to write short sentences rather than amplifying it needlessly.

2. Inadequate domain expertise:

Our writers are still new to the field of global medical writing and relatively inexperienced. The experience will, of course, come with more years of writing documents of increasing complexity across different domains. The nurture period for becoming an expert medical writer in any domain is long and requires conscious self-learning. This has to be accompanied at the organizational level by way of encouraging writers to attend internal and external training programs in specific domains.

3. High attrition rate:

Medical writing is a growing discipline, and like many young industries, it is anxious with a high attrition rate of over 15%. The lure of a better job with a higher salary. The designation is very tempting, and a little hindrance with the current work setup or a feeling of stagnation can prompt youngsters to switch jobs. At an individual level, this may result in the loss of continuity in the development of functional expertise in the domain. At an organizational level, this results in the loss of trained resources which can have an impact on the quality of deliverables. Organizations must keep their attrition levels in check by creating an enabling workplace and a work culture that appreciates and rewards employees for their achievements, gives them opportunities to learn and grow in their field of interest, and by having compensation policies appropriate with industry norms.

4. Quality issues:

There has been a consistent observation with global clients that although we may be good at assembly of documents, there are many "quality" issues when documents are authored in India.

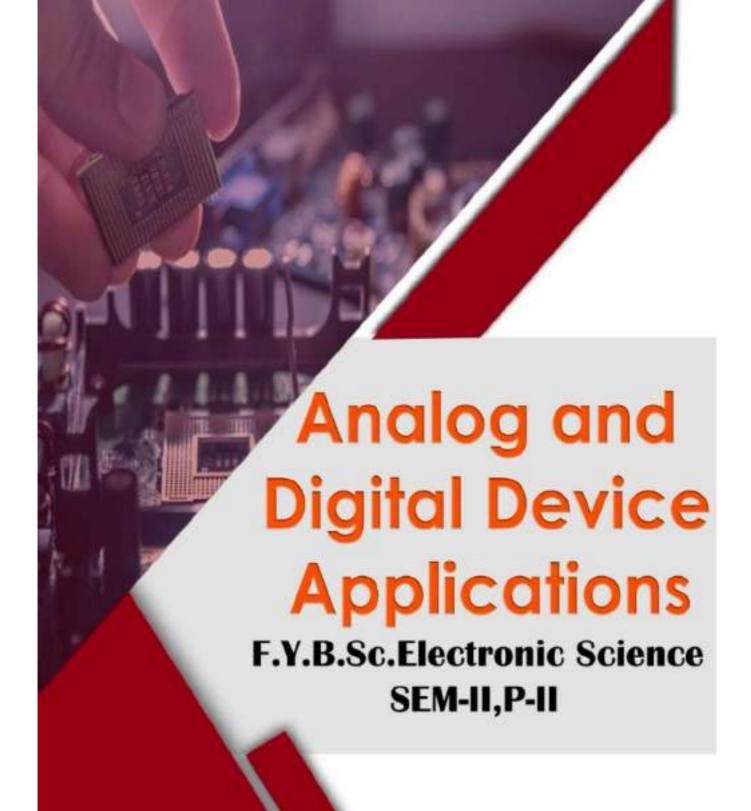
This is also one of the main obstacles in not getting more complex writing work done from India. Hence, in addition to improving our writing skills, we need better tools to monitor and improve the quality of our writing.

5. The lack of standardized training programs:

Medical writing is a skill that can be developed if one has the basic qualifications and qualities to become a good technical writer. Unfortunately, there are no standardized training programmes in medical writing and institutes steadily delivering such programs in India. We can do a lot here by setting up certified, industry-led training programs with controlled curriculum, providing internship to potential writing aspirants in reputed companies; and actively collaborating with global organizations such as the EMWA or AMWA for regular skill enhancement and certification of our writers (Suhasini Sharma, 2017).

8. REFERENCES

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Dr. Rajendra Gosavi Associate Professor



Analog and Digital Device Applications F.Y.B.Sc. Electronic Science SEM-II, P-II

First Edition

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Preface

I have great pleasure to present this book on Analog and Digital

Device applications, F.Y.B.Sc. Electronic Science SEM-II,P-II. It is

written as per the 2019 pattern, Choice Base Credit System (CBCS)

syllabus of Savitribai Phule Pune University, Pune-411007.

The author have tried his level best to simplify the difficult concept

in electronic science with neat diagram and simple mathematical equation.

The basics of electronics which is required to understand the concept

of Operational Amplifier is covered. The understanding of IC-555 as

Astable Multivibrator is made very simple by drawing the diagrams. The

applications of Operational Amplifier and IC-555 are made very simple.

The data converters such as Analog to Digital Converter (ADC) and

Digital to Analog Converter (DAC) are explain very symmetrically.

Digital thermometer with simple block diagram is explain. I thank to

Publisher IIP Publishing House (IPH) www.iiponline.orgfor helping me to

publish this book.

Dr. Arif Tamboli

Dr. Rajendran S. Gosavi

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Acknowledgement

Firstly, I thank the Almighty Allah, Creator of Universe for making mephysically and mentally capable of undertaking this work.

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I express my thanks to Dr. S. N. Kotwal and Mr. J. B. Shikalger for their blessings and encouragement. The present work is dedicated to my beloved late parents, whose love and affection apart from their moral support made it possible to complete. My wife, Mrs. Shabana, son Azim and lovely daughter Alfiyadeserve special mention for their continuous support and sacrifice.

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Dr. Arif Tamboli

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Definition of Common Mode Gain (Acm) and Differential Mode Gain (Ad). Common Mode Rejection Ratio (CMRR). Block diagram of Op-Amp, Ideal and practical characteristics of Op-Amp such as Input impedance, Output impedance, Input Bias Current, Output Bias Current, Output offset Voltage, Common Mode Rejection Ratio (CMRR). Virtual ground Concept in Op-Amp, Applications of Op-Amp as Inverting Amplifier, Non Inverting Amplifier.

Op-Amp as comparator. Introduction of Op-Amp IC's (comparative study).

Unit 2: Applications of Op-Amp and IC 555 (14 L)

Applications of Op-Amp IC-741 as Integrator, Differentiator, ON-OFF controller using Op-Amp as comparator, Function generator, Audio amplifier, Voltage (V) to Current (I) converter and PWM generation.

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Astable Multivibrator of 50% duty cycle circuit using diode, PWM generation, FSK generator, Moisture detector circuit.

Monostable Multivibrator and Bistable Multivibrator.

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Analog to Digital Converter (ADC):

Flash ADC, Counter type ADC, Successive Approximation ADC, Single Slope ADC, Digital to Analog Converter: R-2R Ladder network, Binary Weighted DAC.

Basic operation and block diagram: Digital thermometer.

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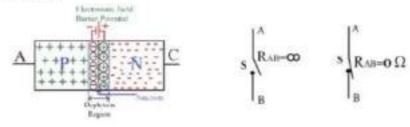


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Dr. Rafik U. Shaikh

Dr. Aafreen A. Ahmed



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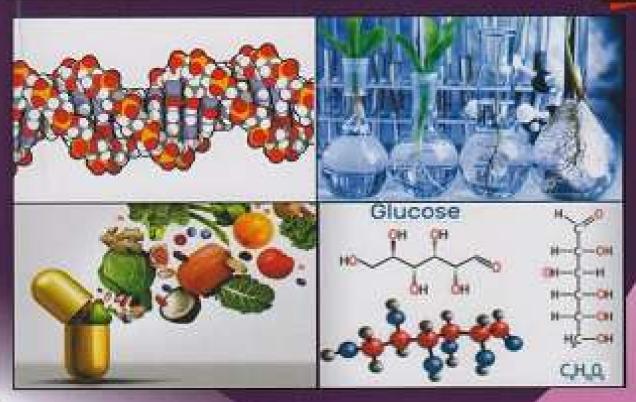
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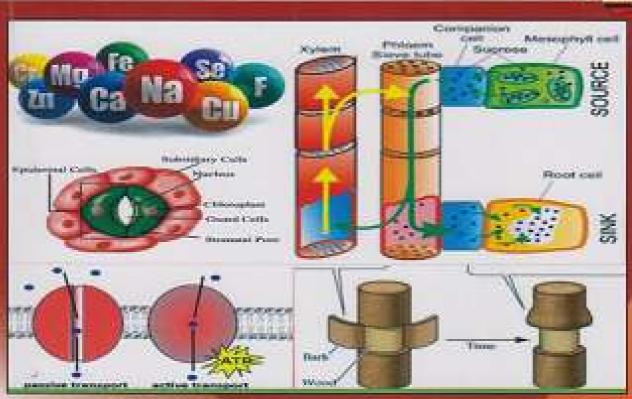
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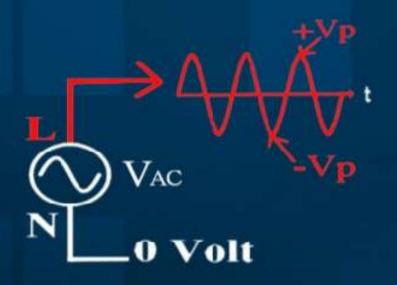




ELECTRONIC DEVICES AND CIRCUITS

F.Y.B.SC.

Electronic Science Paper-II, Semester-I CBCS (June-2019-20)



Dr. Arif Tamboli

Dr. Rajendra Gosavi

Dr. A. V. Patil

Mr. Vijay J kakade

Electronic Devices and Circuits

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ELECTRONIC DEVICES AND CIRCUITS

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I owe a special debt of gratitude to Dr. Aftab Anwar Shaikh, Principal Poona College of Arts, Science and Commerce, Camp, Pune-411001, Dr. Arunkumar Walunj, Head Department of Electronic Science, Mr Iqbal Shaikh, Head Department of Chemistry and IQAC Coordinator. Dr. Aif Shaikh, Ex-Head Department of Electronic Science, Mr. Z.B. Pathan Ex-Head Department of Electronic Science, Dr. Gulam Rabbani my research Guide for cooperation, motivation and continuous help.

The present work is dedicated to my beloved late parents, whose love and affection apart from their moral support made it possible to complete. My wife, Mrs. Shabana, son Azim and lovely daughter Alfiya deserve special mention for their continuous support and sacrifice.

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Dr. Tamboli Arif

INDEX

Unit 1: PN Junction Diode

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Barrier Potential, Forward and Reverse bias condition – Junction capacitance.

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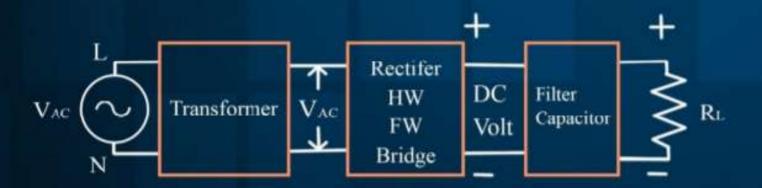


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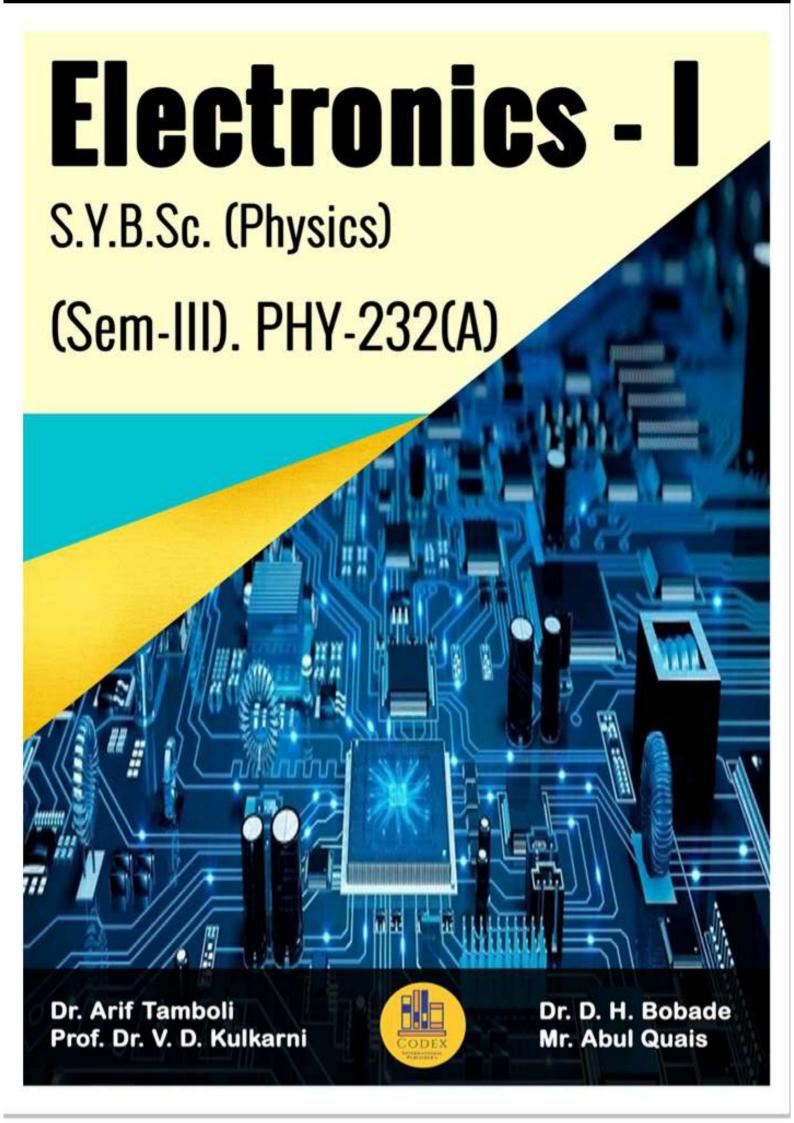




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Ohm's law, Krichhoff's Current Law (KCL), Krichhoff's Voltage Law (KVL), Voltage and current Divider Circuit, Superposition Theorem, Maximum Power transfer theorem (With proof), Thevenin's Theorem, Norton's Theorem, Problems.

Unit 2: Study of Transistor Bipolar Junction Transistor (BJT) and UJT (Uni-junction Transistor): (12L)

- **2.1 Bi-junction Transistor:** Revision of bipolar Junction Transistor, Types, Symbol and basic action. Configuration (Common Base, Common Emitter and Common Collector). Current Gain Factors (α and β) and their relations. Input, Output and transfer Characteristic of CE Configuration. Biasing method and Voltage Divider. DC Load line (CE), Operating Point (Q-point). Transistor as a switch. Problems
- 2.2 Uni-junction Transistor: Symbol, Types, Construction, Working Principle, I-V characteristics, Specifications and Parameters of Unijunction Transistor (UJT). UJT as a relaxation Oscillator.

Unit 3: Operational Amplifier and Application (12 L)

- 3.1 Operational Amplifier: Introduction to Op-Amp, Ideal and practical Characteristics of Op-Amp, Operational Amplifier: IC741- Block Diagram and Pin diagram, Concept of Virtual Ground, Inverting and Non-inverting operational amplifiers with concept of gain, Operational amplifier as an adder and Subtractor, Problems.
- **3.2 Oscillators:** Concept of Positive and negative feed back, Barkhaussain Criteria for an oscillator, Construction, working and application of phase shift oscillator using IC741, Problems.

Unit 4: Number System and Logic Gates: (06L)

Number System: Decimal Number System, Binary Number System, Binary coded Decimal (BCD), Octal Number System, Hexadecimal

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Prof. Dr. V. D. Kulkarni Co-Author



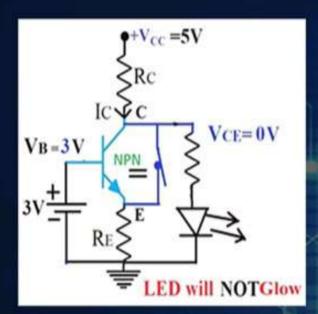
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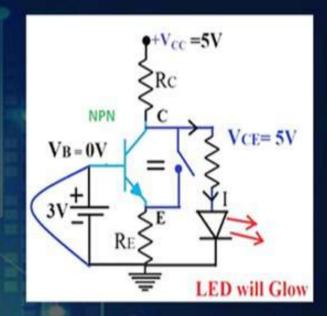


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About Book

The Book S.Y.B.Sc. Electronics-I (Physics) (Semester-III) PHY-232(A), Paper-I, Contains Ohm's law, Krichhoff's Law's (KCL and KVL), Voltage and current Divider Circuit, Superposition, Maximum Power transfer, Thevenin's and Norton's Theorem. Bi-Polar Junction Transistor, Types, Symbol, DC Load line (CE), Transistor as a switch, Uni-junction Transistor, Symbol, Operational-Amplifier, Op-Amp as Inverting Amplifier, Non Inverting Amplifier. Oscillators: Concept of Positive and negative feed back, Barkhaussain Criteria for an oscillator, Decimal, Binary, Octal, Hexadecimal Number System, Binary, coded Decimal (BCD). Addition and Subtraction of binary numbers, Basic Logic gates (OR, AND, NOT), Derived gates: NOR, NAND, EXOR, EXNOR, Boolean Algebra, De Morgan's theorem.







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Principles of Political Science

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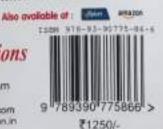
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About the Book

Political Science is a social science concerned with the theory and practice of politics, the description and analysis of political systems and political behaviour. It is often described as the pragmatic application of the art and science of politics which defined as "Who gets what, when and how", leaving out of the picture most of the "why". Political Science has several subfields, including political theory, public policy, national politics, international relations, and comparative politics. Since Political scientists construct and assess theories in accordance with the principles of the scientific method, writing in the field conveys the rigor objectivity and logical consistency that characterize this method. Thus, in contrast to scholars in such fields as literature, art, history or classics, political acientists avoid the use of impressionistic or metaphorical language, or language which appeals primarily to our senses, emotions, or moral beliefs. Political Science is a late arrival in terms of social sciences. However, the discipline has a clear set of antecedents such as moral philosophy, political philosophy, political economy, political theology, history and other fields concerned with normative determinations of what ought to be and with deducing the characteristics and functions of the ideal state. Political Science is a vast subject of universal interest, with increasing importance. It deals with very wide field of buman life of great complexity. This book provides deep insights to various magnitudes of issues relating to the subject.

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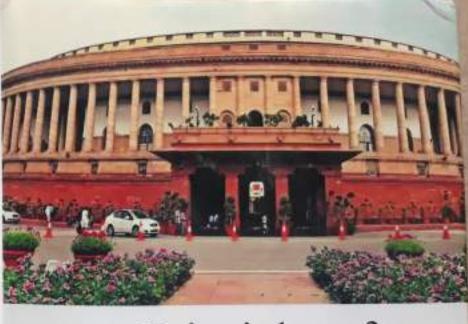


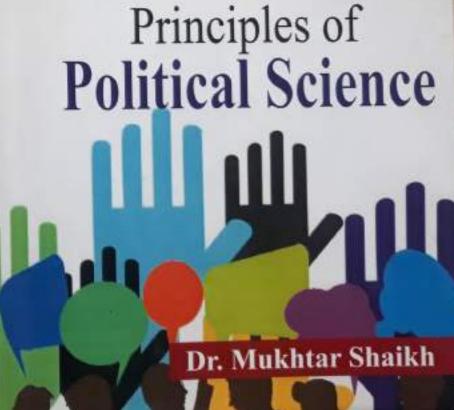
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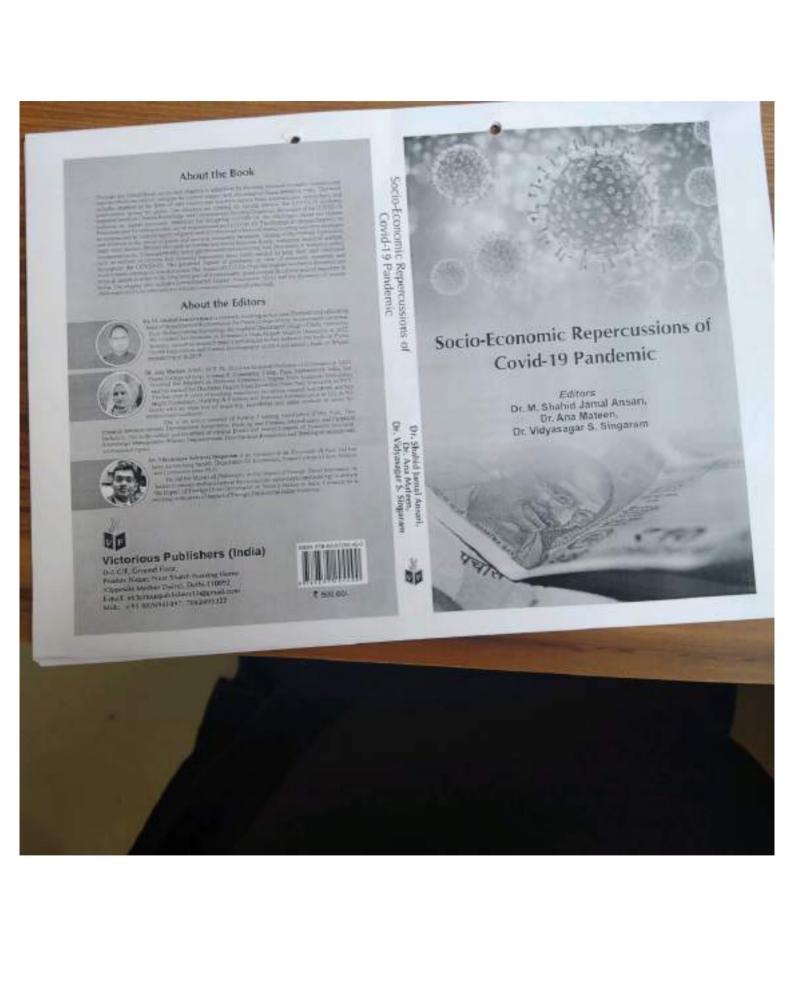
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Personsh this Edinal Block, we invited chapters to contribute by devising solutions to enable countries and regions which can reduce, mitigate the current impact, and also adapt to future pendemic risks. This book metades chapters in the form of case studies and research papers from academiciars, specurbers, and reactioners across the globe. The chapters are central on various thereis like CDVID-19 epidemic response based on Change Knowledge and Consequences for other Countries, the impact of the COVID-19 authors on digital prevaents, strategies for mitigating CDVID-19, the challenges about for Human Resources and the strategies that can be implemented post COVID-19. The findings in various chapters can he summarised as reduced supply of goods and services tend to lower demand; ereating med-term shortages and inflation in the prices of goods and services, economic recession, closing of the multiple businesses. many other section affected also such as tourism and travel business, bosels, restaurant, financial markets, transportation etc. Consequentially, many povernments are increasing their provisions of monetary policy such an welfare to citurem and emuring businesses have funds needed to keep their staff employed throughout the COVID-19. The gendered impact of pandernic in view of economic downton and economics construct is also docussed. The impact of COVID-19 on the migrant workers is discussed and ways & means to achieve the long term goal of a sustainable, gender-equal & carbon-peutral trajectory in India. The chapter also includes Environmental Impact Assessment (EIA) and the dynamics of women challenges in EIA in some selected Albian countries is presented in the book.

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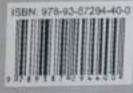
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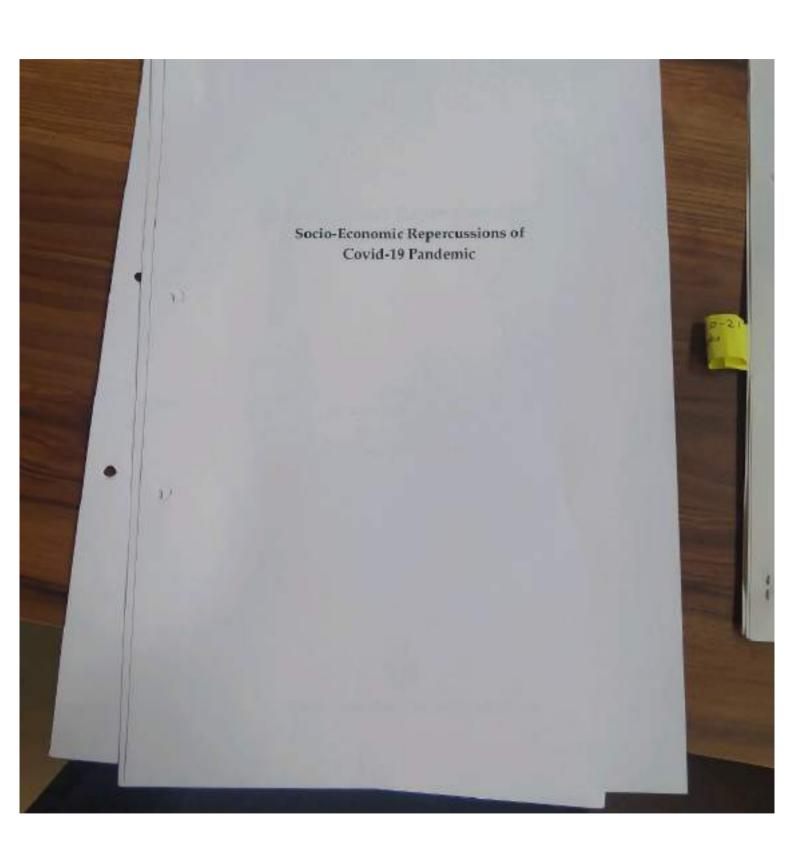


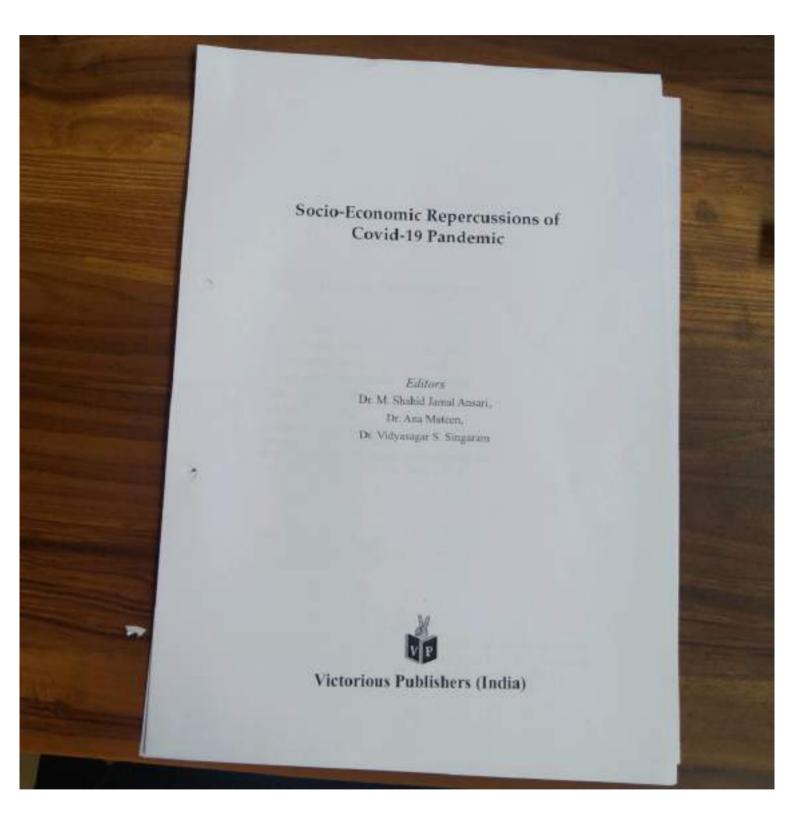
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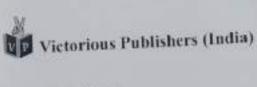
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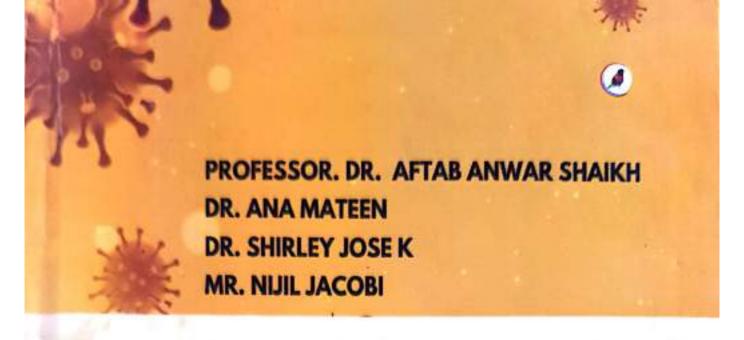
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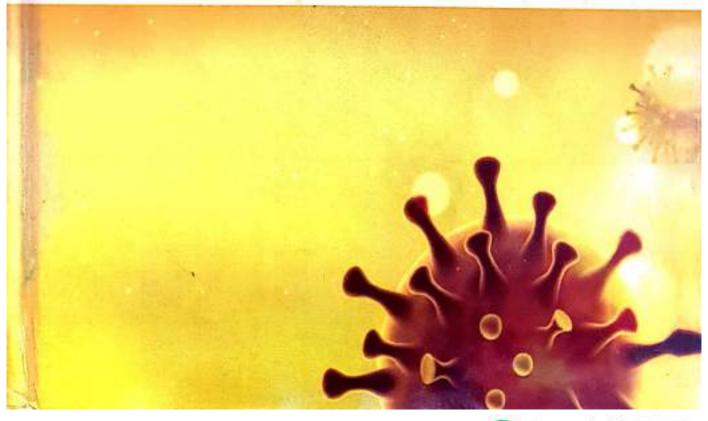
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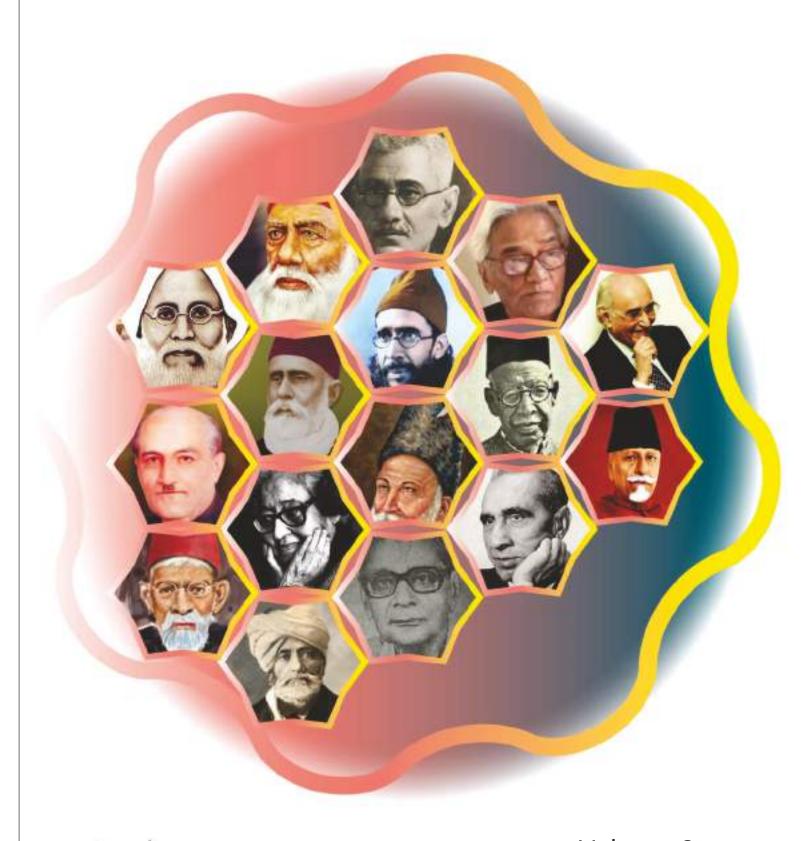


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سفرنامهاورر بورتا ژ

ہی اس صنف کا کوئی واضح تصوران کے یہاں پایاجاتا تھا۔اردو کے نثر نگاروں نے غیرشعوری طور پراس صنف کو برتا ہے جوآ گے چل کرصنف رپورتا ژنگاری کی اساس بنے۔ڈا کٹر قمر رئیس رپورتا ژکے اولین نقوش کا ذکر کرتے ہوئے لکھتے ہیں۔

''اردومیں رپورتا ژکے ابتدائی نقوش انیسویں صدی کے آخرہی سے ملنے لگتے ہیں۔جب ملک میں اصلاحی تحریک یورداداخباروں اوررسالوں میں شائع ہونے تحریکیوں کے زیرا ژبلسوں کی سرگرم بازاری شروع ہوئی اوران کی روداداخباروں اوررسالوں میں شائع ہونے لگیں۔ میں صرف ایک مثال پراکتفا کروں گا۔ ۹ مرمئی روزیک شنبه ۱۸۸۷ء قیصر باغ لکھنو کی تاریخی عمارت میں انجمن دارالاسلام کا جلسہ ہور ہاتھا جس میں بقول عبدالحلیم شربیس بچیس ہزارلوگ شریک ہوئے۔شرر نے درگلداز''کے چھ صفحات میں اس اجتماع کی روداد حال کے صیغے میں Running Commentary کے انداز میں کبھی۔'' (اردومیں رپورتا ژنگاری ،عبدالعزیز ، پیش لفظ ،ص ۸۰)

اردومیں رپورتا ژنگاری کاباضابطہ آغاز ۱۹۳۱ء میں ترقی پیندتح یک کی ابتداء کے ساتھ ہوا۔ اس تح یک نے رپورتا ژکی اہمیت وافادیت اورصنفی حیثیت کولوگوں کے سامنے اجا گرکیا۔خاص طور پر اس صنف کے ذریعے انھوں نے اپنے افکارونظریات عوام الناس کے سامنے پیش کیے جس کا آھیں خاطر خواہ فائدہ بھی ہوا۔ اس مقصد کے تحت انجمن ترقی پیند صنفین کے جلسوں کی تفصیلی روداد تحریر کرنے اوراضیں شائع کرنے کارواج عام ہوا۔ ترقی پیند مصنفین کے جلسوں کی تفصیلی روداد قلمبند کرنے کے سلسلے میں حمیداختر کا نام سب سے اہم اور قابل فرکے ۔ ان کی روداد اور پورٹ نے بعد ہم یہ کہہ سکتے ہیں کہ انھوں نے تحریک کی روداد اور رپورٹ نگاری کے ذریعے صنف رپورتا ژکے فروغ کی راہیں ہموار کرنے میں اہم رول ادا کیا ہے۔

اردومیں پہلار پورتا ژکون ساہے اور کس ادیب نے سب سے پہلے اس صنف کے فئی اصولوں کوسا منے رکھتے ہوئے رپورتا ژکون ساہے اور کس ادیب نے سب سے پہلے اس صنف کے فئی اصولوں کوسا منے رکھتے ہوئے رپورتا ژکھے اس سلسلے میں ناقدین ادب کی آراء مختلف ہیں کیکن بیشتر ناقدین ادب اس بات پر شفق ہیں کہ اردوکا پہلار پورتا ژجور پورتا ژکے فئی اصولوں پر پوراا ترتا ہے وہ سجاد طہیر کا تحریر کردہ رپورتا ژکا نفرنس کے واقعات و حالات پر شمل ہے جو پیرس میں منعقد ہوئی تھی ۔ سجاد ظہیر نے ۱۹۳۰ء میں اسے تحریری شکل میں شاکع کیا۔ اس لحاظ سے ' یادین' کی اہمیت نقش اوّل کی حیثیت سے ہمیشہ برقر ارد ہے گی۔

اردور پورتا ژنگاری کوفروغ دینے میں دوسرااہم نام کرش چندر کا ہے۔انھوں نے ۱۹۴۵ء میں''پودے'' لکھ کرصنف رپورتا ژکوایک معیارعطا کیااور دیگراصناف نثر سے میٹر وممتاز کیا۔اس لحاظ سے کرش چندر کارپورتا ژ'' یودے''اردور پورتا ژنگاری میں سنگ میل کی حیثیت رکھتا ہے۔

تقسیم ہند کے بعدرونماہونے والے خونریز نسادات، بربریت وہیمیت نے ادیوں کو سب سے زیادہ متاثر کیا تھا۔اس دور میں فرقہ وارانہ نسادات سے متعلق واقعات، حالات اور سانحات پر شمل کی رپورتا ژقلمبند کیے گئے۔ فسادات پرتخریر کیے گئے رپورتا ژوں میں خدیجہ مستورکا''پو پھٹے''، فکرتو نسوی کا''چھٹا دریا''، جمناداس کا'' اور خداد کھتا رہا''، ابراہیم جلیس کا'' دوملک ایک کہانی''، شاہدا حمد دہلوی کا'' دی بپتا''، تا جورسا مری کا'' جب بندھن ٹوٹے نے''مجمود ہاشی کا'' کشمیراداس ہے''، منظر کاظمی کا''ہم جنگل کی طرف لوٹ رہے ہیں''شفیق الرحمان کا'' دجلہ سے فرات تک'، عبداللہ ملک کا'' مستقبل ہمارا ہے''، صفیہ اختر کا'' ایک ہنگامہ' اوراجمل اجملی کا'' ایک رات گذری ہے ایک صدی گذری ہے' وغیرہ قابل ذکر ہیں۔

تقسیم ہنداور فرقہ وارانہ فسادات کے بعد ہندستان میں متعددامن کا نفرنس منعقد کی گئیں۔کلکتہ میں اپریل ۱۹۴۹ء

قرة العين حيدر كى رپورتا ژ'' د كن سانېيں ٹھارسنسار مين'' كاخصوصي مطالعه میں عالمی امن کانفرنس منعقد ہوئی۔اس کانفرنس پر دور پورتا ژکھے گئے۔ایک رضیہ سجاد ظہیر نے''امن کا کارواں ''کھااور دوسرا پرکاش پنڈت نے'' کہت کبیر سنو بھئی سادھو''کھا۔امن کانفرنس پرآفاق احمہ نے تین بہت ہی عمدہ اور دکش رپورتا ژخر بر کیے۔'' کتنے موتی کتنے دل' راجندرگاؤں کی امن کانفرنس پر شتمل ہے۔'' چراغ سے چراغ جلے'' میں اندور کی امن کانفرنس کوموضوع بنایا گیا ہے۔''ایک نوآغاز کلی،ایک نوآغاز بشر'' سانجی میں مہابدھی میلے کوزیر بحث لایا گیا ہے۔

اردور پورتا ژنگاری میں ایک اہم نام عصمت چغتائی کا ہے۔انھوں نے ناول اورافسانے کے علاوہ عمدہ رپورتا ژنگاری میں ایک اہم نام عصمت چغتائی کا ہے۔انھوں نے ناول اورافسانے کے علاوہ عمدہ رپورتا ژنجی کھے ہیں۔ پہلار پورتا ژنجی کھے ہیں۔ بھو پال تک' ہے۔ یہ جو الحاکل ہنداردوکانفرنس کی روداد پر شمل ہے۔دوسرار پورتا ژنجیہاں سے وہاں تک' ہے۔ یہ رپورتا ژنجہت ہی اہم ہیں اور فنی تناضوں پر پورتا ژبہت ہی اہم ہیں اور فنی تناضوں پر پورے اتر تے ہیں۔

اردور پورتا ژنگاری کی روایت کو پروان چڑھانے اور بام عروج تک پہنچانے میں قرۃ العین حیدرکا نام سرفہرست ہے۔اردوادب میں ان کامقام ومرتبہ بہت ہی بلندوبالا ہے۔انھوں نے افسانوی ادب کے ساتھ غیرافسانوی ادب میں بھی اپنی انفرادیت قائم کی ہے۔قرۃ العین حیدر نے مختلف موضوعات پرتقریباً گیارہ رپورتا ژنح مریکے جواردوادب میں شاہکار کا درجہ رکھتے ہیں۔لندن لیٹر، کوہ د ماوند، گلگشت، شمبر کا چاند، جہان دیگر، دکن سانہیں مٹھارسنسار میں اور قید خانے میں تلاطم ہے کہ ہنداتی ہے وغیرہ اہم اور قابل ذکر ہیں۔

ان کے علاوہ جن ادیوں نے اردور پورتا ژنگاری کی روایت کوآ گے بڑھایاان میں قاضی عبدالستار بمتازمفتی، قدرت اللہ شہاب ،اظہارا ثر ،خواجہ احمرعباس اوررضیہ سجافظہیر کے نام قابل ذکر ہیں۔ان ادیوں نے رپورتا ژنگاری کے ارتقائی سفرکوآ گے بڑھانے اوراس کے فن کو سعت عطاکر نے میں نمایاں کردارادا کیا ہے۔انھوں نے متعددایسے رپورتا ژنگریرو تخلیق کئے ہیں جن کے باعث اس صنف نے بہت ہی کم عرصے میں خاصی ترقی حاصل کرلی اورادب کی نہایت ہی مقبول و مشہور صنفوں میں شار ہونے گئی۔اردومیں رپورتا ژنگاری کی جوروایت 'یادیں' اور 'یودئ' سے شروع ہوئی تھی وہ آج بھی زندہ و تابندہ ہے۔

23.3 قرة العين حيدر كي اد بي خدمات

23.3.1 قرة العين حيدر كي زندگي كے حالات:

قرة العین حیدرکی پیدائش ۲۰ رجنوری ۱۹۲۷ء کوعلی گڑھ میں ہوئی لیکن ان کا بچپن والد کی ملازمت کے باعث علی گڑھ اٹاوہ، غازی پور، پورٹ بلیئر ، دہرہ دون اور لا ہور میں گزرا۔ ان کے والد سجاد حیدریلدرم کا شاراردو کے اوّلین افسانہ نگاروں میں ہوتا ہے۔ قرة العین حیدرکی پیدائش کے وقت ان کے والد علی گڑھ مسلم یو نیورسٹی کے رجسڑار کے عہدے پرفائز تھے۔ ان کی والدہ نذر سجاد کا شار بھی اردو کی ابتدائی خواتین ناول نگاروں میں ہوتا ہے۔ ان کی والدہ نذر سجاد کا شار بھی اردو کی ابتدائی خواتین ناول نگاروں میں ہوتا ہے۔ ان کے نوک قلم سے اردو کے دوناول ''اختر النساء'' اور'' آہ مظلوم ماں''معرض وجود میں آئے ۔ والدین نے قرۃ العین حیدرکانام''نیلوفر' رکھا تھا جسے بچھ عرصہ بعدان کے ماموں سید میرافضل علی نے تبدیل کرکے'' ذرین تاج طاہرہ' کے نام پرقرۃ العین رکھ دیا۔ قرۃ العین حیدر بچپن میں بہت باتونی تھیں اس لیے گھروالے آئھیں''طوطا'' کہہ کر پکارتے تھے۔ نوعمری میں جب سب آئھیں''طوطا'' کہہ کر بلاتے تھاتو وہ اسی کواپنا صلی نام بھی تھے۔

سفرنامهاورر بورتا ژ

قرۃ العین حیدر کی ابتدائی تعلیم غیرر سی طور پر ایک معلم کے ذریعے گھر پر ہوئی جضوں نے دینیات اور قر آن شریف پڑھایا۔ اس کے بعد والد کی ملازمت کے سبب بھی دہرہ دون بھی علی گڑھ، بھی لا ہور تو جھی لکھنو کے مختلف اسکولوں میں تعلیم حاصل کی۔ بالآخر دہرہ دون سے پرائیوٹ میٹرک کا امتحان دیا اور اردومیں امتیاز ی نمبروں سے امتحان پاس کیا۔ میٹرک کے بعد ۱۹۴۱ء میں ازبیلاتھو برن کالج کھنو سے انٹرمیڈیٹ تک کی تعلیم حاصل کی۔ بی۔ اے۔ کے لیے اندر پر ستھ کالج دلی میں واضلہ لیا اور ۱۹۲۵ء میں انگاش لٹر بیچر میں بی۔ اے۔ کی ڈگری حاصل کی۔ بی۔ اے۔ کے بعد گھنو یو نیورٹی سے ۱۹۴۷ء میں انگلریز کی ادب میں ایم ۔ اے۔ کی ڈگری حاصل کی۔ ایم ۔ اے۔ کے دوران ہی گورنمنٹ اسکول آف آرٹ کھنو کی شام کی کلاس میں داخلہ لیا اورا کیا ایم حاصل کی حاصل کی حاصل کی حاصل کی ۔ بید میں ہیدو لیز راسکول آف اندن سے بھی مصوری کی اعلیٰ تعلیم حاصل کی سین سے جاپانی واش تکنیک لندن سے جھی آخیں ہیدو لیز راسکول آف اندن سے بھی مصوری کی اعلیٰ تعلیم حاصل کی ۔ مصوری کی طرح صحافت سے بھی آخیں ہیدو لیز راسکول آف اندن سے بھی مصوری کی اعلیٰ تعلیم حاصل کی ۔ مصوری کی طرح صحافت سے بھی آخیں ہیدو لیز راسکول آف اندن سے بھی مصوری کی اعلیٰ تعلیم حاصل کی ۔ مصوری کی طرح صحافت سے بھی آخیں میدور نے اپنا تعلیمی میدان کافی وسیع وہمہ گر بنالیا جس کی جھلک ان کی سیوری کیا۔ اس طرح سے قرۃ العین حیدر نے اپنا تعلیمی میدان کافی وسیع وہمہ گر بنالیا جس کی جھلک ان کی شروع کیا۔ اس طرح سے قرۃ العین حیدر نے اپنا تعلیمی میدان کافی وسیع وہمہ گر بنالیا جس کی جھلک ان کی شروع کیا۔ اس طرح سے قرۃ العین حیدر نے اپنا تعلیمی میدان کافی وسیع وہمہ گر بنالیا جس کی جھلک ان کی

قر ة العین حیدر کی پرورش و پرداخت جس ماحول میں ہوئی وہ بہت علمی واد بی تھا۔علم وادب اس خاندان کا طرہ امتیاز تھا۔ان کا گھر شاعروں،اد بیوں،انشاء پردازوں،ناول اورافسانه نگاروں کی ایک کہکشاں تھا۔مردوں کے شانہ بہشانہ گھر کی خواتین بھی درس وقد رکیس اورتصنیف وتالیف میں بڑھ چڑھ کر حصہ لیتی تھیں۔گھر کے علمی واد بی ماحول نے قرق العین حیدرکو لکھنے پڑھنے کی طرف راغب کیا۔

قرۃ العین حیدر کے ادبی سفری ابتداء ایک کارٹون سے ہوئی جسانھوں نے تر کی اخبار سے ٹرلیں کر کے اور کیپٹن لگا کربچوں کے ہفتہ وار رسالہ ''پھول'' میں چھپنے کے لیے ارسال کیا تھا اوروہ کارٹون پھول کے سالنا ہے میں حجیب گیا۔ عینی نے پہلی کہانی سات سال کی عمر میں ''کا ٹھ گودام کا اسٹیٹن' کے عنوان سے کھی لیکن وہ کہانی کہیں شائع جہوئی ۔ دوسری کہانی ''چاکلیٹ کا قلعہ' کے عنوان سے کھی جو بنات لا ہور ۱۹۳۹ء میں شائع ہوئی ۔ قرۃ العین ہوئی۔ تیسری کہانی ''بی چو ہیا کی کہانی '' کے نام سے ''پھول'' ۱۹۳۹ء میں شائع ہوئی ۔ قرۃ العین حیدرکا پہلا افسانہ ''ایک شام'' ہے جو لالہ رخ کے فرضی نام سے ادبیب نومبر ۱۹۳۳ء میں شائع ہوا۔ اس مواقعا۔ دوسراافسانہ ''ایک شام'' ہے جو قرۃ العین حیدر کے فرضی نام سے جون ۱۹۳۴ء کے ادبیب میں شائع ہوا۔ اس موا۔ تیسراافسانہ ''ارادے'' ہے جو قرۃ العین حیدر کے فلمی نام سے جون ۱۹۳۴ء کے ادبیب میں شائع ہوا۔ اس افسانے پرانھیں ہیں رو بے کا انعام بھی ملا۔ پچاز اہدی نے بان کی اس کا میابی پرکہا، بس ابتم افسانہ نگار بن افسانہ نگار بن کی۔ اس کے بعدقرۃ العین حیدر نے پچاز اہدی کو دیکھائے بغیر ساقی ، ہایوں ، ادب لطیف اور دوسرے رسائل وجرائد میں کہانیاں ارسال کرنا شروع کردیں اور کہانیاں شائع بھی ہونے گیس۔ لیکن جس شخص کے مشور ہے وجوز کیک نے اس کا میابی سال کرنا شروع کردیں اور کہانیاں شائع بھی ہونے گیس۔ لیکن جس شخص کے مشور ہے اور ترخ کیک پینی نے افسانہ لکھنا شروع کردیں اور کہانیاں شائع بھی ہونے گیس۔ لیکن جس شخص کے مشور ہے اور ترخ کیک پرینی نے افسانہ لکھنا شروع کراور کودان کی ہی زبانی ملاحظہ ہو۔

''ایک روز حکیم یوسف حسن (ایڈیٹرنیرنگ خیال) لا ہور سے تشریف لائے۔اماں سے کہانیرنگ خیال کی حالت دیگر گوں ہو چکی ہے۔کوشاں ہوں پھراسی آب و تاب سے نکلے''معاً'' مجھے خاطب کیا،اب قلم آپ کے ہاتھ میں آیا ہے نیرنگ خیال میں لکھنا شروع سیجھے۔میں نے نہایت اطمینان اورخوداعتادی سے جواب دیا بہت احمینان میں کھنا شروع سیجھے۔میں ہے۔'(کارجہاں دراز ہے،جلداول، ص:۳۲۵)

حکیم صاحب کی فرمائش پرعینی نے ایک افسانہ' بیلوگ' ککھ کر نیرنگ خیال کے لیے ارسال کیا تھالیکن نہ ہی وہ

قرة العين حيرركي رپورتا ژ' د كن سانېيں شارسنسار مين'' كاخصوصي مطالعه رسالہ میں شائع ہوااور نہ ہی واپس ملا۔ شاید ضائع ہوگیا۔ قرق العین حیدرنے جس شخص کی دعوت اور فرمائش پرافسانوی دنیامیں قدم رکھااورا پناپہلاافسانة تحریر کیا بدشمتی ہے ان کا کوئی بھی افسانہ رسالہ نیرنگ خیال میں شائع نہیں ہوا۔

قرة العین حیر تقسیم ہند سے قبل از بیلاتھو برن کالج لکھنو میں بحثیت انگریزی لکچرارخد مات انجاد دے رہی تھیں ۔ ہندستان میں ان کی ہے پہلی اور چندروزہ ملازمت تھی تقسیم کے بعد عینی کا خاندان دسمبرے ۱۹۳ء میں پاکستان ہجرت کر گیا۔ وہاں جانے کے بعد ا۱۹۵ء میں وزارت اطلاعت ونشریات کراچی کے محکمہ اشتہارات وفلمیات میں بحثیت انفارمیشن آفیسر کے عینی کی عارضی بحالی ہوئی ابھی چند ماہ ہی ہوئے تھے کہ عینی نے رخصت بلانخواہ میں بحثیت انفارمیشن آفیسر کے عینی کی عارضی بحالی ہوئی ابھی چند ماہ ہی ہوئے تھے کہ عینی نے رخصت بلانخواہ آفیسر کے عہد سے پرہی کام کرتی رہیں۔ پچھ دنوں بعد انھوں نے اس عہد سے استعفیٰ دے دیا۔ اس کے بعد ڈیلی ٹیلی گراف لندن اور بی بی سی لندن اردوسیشن میں بچھ دنوں تک کام کیا پھر پاکستان واپس آگئیں اور پی بعد ڈیلی ٹیلی گراف لندن اور بی بی سی لندن اردوسیشن میں بچھ دنوں تک کام کیا پھر پاکستان میں مختلف عہدوں پر کام کرتی رہیں۔

۱۹۹۱ء میں وہ ہندستان واپس آئیس اور جمبئی میں قیام کیا۔ یہاں پروہ مارکیٹنگ اینڈ ایڈورٹائزینگ ایسوسی ایٹس میں کا پی رائٹر رہیں۔ ۱۹۲۸ء سے ۱۹۲۸ء تک امپرنٹ جمبئی میں مینجنگ ایڈیٹر کی حیثیت سے کام کیا اور ۱۹۲۸ء سے ۱۹۲۹ء تک بحیثیت ایڈیٹر کام کیا۔ بینی ۱۹۲۹ء تا ۱۹۷۸ء السٹریٹیڈ و بنگلی آف انڈیا کے ایڈیٹوریل اسٹاف میں رہیں اورفلم سیکشن کی ایڈوائیز رہی میں رہیں۔ ایک سال تک سنٹرل بورڈ آف فلم سنسر میں چیر مین کی ایڈوائیز رہی رہیں۔

قرة العین حیدر ہندستان کی مشہور ومعروف یو نیورسٹیز، جامعہ ملیہ اسلامیہ اورعلی گڑھ مسلم یو نیورسٹی میں وزیٹنگ پروفیسر میں امریکہ کی متعدد یو نیورسٹیوں میں بطور وزیٹنگ کیچرر خدمات انجام دیں۔اردو کئی اکا دمیوں اور بورڈ وں میں ممبر کی حیثیت سے کام کیا جیسے ساہتیہ اکا دمی اردو، ترقی اردو بورڈ، ایڈوائزری بورڈ فاراردواور آل انڈیاریڈیو کی ممبرر ہیں۔۱۹۸۴ء سے ۱۹۹۱ء تک بی سی سی آئی کی جزل سکریٹری رہیں۔اس بینک کی شاخیں دنیا کے ۲۹۹ممالک میں تھیں۔

قرة العین حیدرکوان کی ادبی خدمات کے اعتراف میں مختلف ادبی انعامات واعزازات سے بھی نوازا گیا۔ ۱۹۲۹ء میں ان کے افسانوی مجموع 'نہت جھڑکی آواز' پرسا ہتیہ اکادی ایوارڈ سے سرفراز کیا گیا۔ ۱۹۲۹ء میں مغربی بنگال اردواکادی کی جانب سے میں تراجم کے لیے سوویت لینڈ نہر وایوارڈ عطاکیا گیا۔ ۱۹۸۱ء میں مغربی بنگال اردواکادی کی جانب سے پرویز شاہدی کل ہندایوارڈ سے نوازا گیا۔ ۱۹۸۲ء میں اتر پردیش اردواکادی ایوارڈ برائے مجموعی ادبی خدمات عطاکیا گیا۔ ۱۹۸۸ء میں عنی کودوایوارڈ ملے ، غالب ایوارڈ اور حکومت ہندگی جانب سے ''پرم شری''کاقوی اعزاز دیا گیا۔ ۱۹۸۸ء میں مدھیہ پردیش کاسب سے بڑااعزاز ''اقبال سان' سے نوازا گیا۔ ۱۹۹۹ء میں ہندستان کاسب سے بڑااعزاز ''اقبال سان' سے نوازا گیا۔ ۱۹۹۹ء میں دوانٹریشنل ایوارڈ ، بھائی ورسنگھ انٹریشنل ایوارڈ اور بھارت گورو، روٹری انٹریشنل ایوارڈ برائے غیر معمولی ادبی خدمات سے نوازا گیا۔ ۱۹۹۹ء میں فیوآف ساہتیہ اکادی عطاکیا گیا۔ ۱۹۰۰ء میں اردواکای دبلی کی جانب سے خدمات سے نوازا گیا۔ ۱۹۹۹ء میں فیوآف ساہتیہ اکادی عطاکیا گیا۔ ۲۰۰۰ء میں اردواکای دبلی کی جانب سے خدمات سے نوازا گیا۔ ۱۹۹۵ء میں بیور ندگی کی تاخ وثیر ہیں یادوں کے ساتھ ۲۱ راگست کو ۲۰۰ء ساڑھ تین ہیے ضبح نوئیڈاکیلاش قرۃ العین حیررزندگی کی تاخ وثیر ہیں یادوں کے ساتھ ۲۱ راگست کو ۲۰۰ء ساڑھ تین ہی جوشن اعزاز سے نوئیڈاکیلاش

سفرنامهاورر بورتا ژ

ہاسپیل میں اس دارفانی سے حیات جاویدانی کی طرف کوچ کر گئیں۔ جنازے کی نماز جامع مسجد جامعہ ملیہ اسلامیہ نئی دہلی کے میدان میں ادا کی گئی اور تدفین جامعہ کے اس قبرستان میں ہوئی جہاں آسان علم وادب کی چندہ وجید شخصیات مدفون ہیں۔

23.3.2 قرة العين حيدر كي تصانف:

ناول:

1- میرے بھی صنم خانے (۱۹۴۹ء) 2- سفینهٔ غم دل (۱۹۵۲ء) 3- آگ کادریا (۱۹۵۹ء)

4 - آخرشب کے ہم سفر (۹۷۹ء) 5- کارجہاں دراز ہے (جلداول ۱۹۷۷ء)

6- كارجهال دراز ب (جلد دوم ۱۹۷۹ء) 7- گردش رنگ چمن (۱۹۸۷ء) 8- چاندنی بیگم (۱۹۹۰ء)

9-شاهراه حرير (۲۰۰۲ء)

ناولث:

1- سيتا ہرن (۱۹۲۰ء) 2- چائے کے باغ (۱۹۲۴ء) 3- ہاؤسنگ سوسائٹی (۱۹۲۴ء)

4-ا گلے جنم موہے بٹیانہ کچو (۷۷۱ء) 5-دلر با (۲۷۱ء) 6-چار ناولٹ (۱۹۸۱ءاس میں ہاؤسنگ سوسائٹی کے علاوہ باقی چاروں ناولٹ شامل ہیں)

افسانوی مجموعے:

1-ستاروں ہے آ گے (۱۹۴۷ء) 2- شیشے کے گھر (۱۹۵۴ء)

3- پیت جھڑ کی آواز (۱۹۲۲ء) 4-روشنی کی رفتار (۱۹۸۲ء)

5- جگنووں کی دنیا (۱۹۹۰ء) 6- قندیل چین (۲۰۰۲ء)

ر بورتا ژ:

1- لندن ليٹر (۱۹۵۴ء) 2- ستمبر کا جاند (۱۹۵۸ء)

3- يدماندي كے كنار بـ (١٩٦٠ء) 4- چھٹے اسپر توبدلا ہواز مانہ تھا (١٩٦٦ء)

5- در چن ہرور قی دفتر حال دیگیرست (۱۹۲۸ء) 6- کوہ دیاوند (۱۹۲۸ء)

7- گلگشت (۱۹۷۴ء) 8- جهان دیگر

9-خضرسوچاہےوولرکے کنارے(۹ کاء) 10-دکن سانہیں ٹھارسنسار میں (۱۹۸۲ء)

11-قدخانے میں تلاظم ہے کہ ہندآتی ہے (۱۹۸۳ء)

قرة العين حيدر كي مرتبه كتابين:

1-دامان باغبال (خطوط کا مجموعه) ۲۰۰۳ء 2-استاد بڑے غلام علی خال، ہزلائف اینڈ میوزک، ۲۰۰۳ء

3- كف كل فروش (جلداول سياه وسفيد تصاوي) 4- كف كل فروش (جلد دوم سفيد تصاوير) ٢٠٠٠،

5- ہوائے چمن میں خیمہ گل (کلیات نذر سجاد حیدر)۱۰۰۷ء

قرة العين حيرركي رپورتا ژ' د كن سانهيں شارسنسار مين'' كاخصوصي مطالعه

تراجم (انگریزی سے اردومیں):

1- ہمیں چراغ ہمیں بروانے ، ہنری جیمس 2- آ دمی کا مقدر ، میخائل شولوخوف

3- البس کے گیت، واسل بائی کوف 4- ماں کی کھیتی، چنگیزاعتادوف

5- كليسامير قتل، ٹي اليس ايليك 6- تلاش، ٹرومين كاپوٹ

7- تين جاياني ڪيل 8- جن حسن بن عبد الرحمان

9- ایلسان ونڈرلینڈ 10- ناؤ(بنگالیافسانہ)سیدولیاللہ

11- رات کی بات (آسٹریلین کہانی 12- دی اسٹوری آف اے پنک کاریٹ

اردوسے انگریزی میں:

1- عالباينڈېزپوَئرى Ghalib and his Poetry 1970

2- اسٹوریز فرام انڈیا Stories from India 1974

The Nautch Girl 1992 دىنوچ گرل -3

4- ڈاننگ گرل Dancing Girl 1995

ا پنی کتابوں کے اردوسے انگریزی میں ترجے کیے:

1- آگادریا The River of Fire

2- آخرشب کے ہم سفر 2

3- پت جِمْرًى آواز The Sound of Falling Leaves

4- اگلے جنم موہے بٹیانہ کچو

Tea Garden of Sylhet وَا كُا اللَّهِ اللَّهِ عَلَيْكُ اللَّهِ اللَّهِ عَلَيْكُ اللَّهِ اللَّهِ عَلَيْهِ اللَّهِ

6- جلاوطن (افسانه) The Exiles

بچوں کی کہانیاں (انگریزی سے اردومیں):

1- لومڑی کے بچے 2- بہادر گھوڑا 3-میاں ڈھینچوں کے بچے 4- بھڑ یے کے بچے

5-ہرن کے بچ 6-شیرخال 7-ڈینگو 8-جن حسن بن عبدالرحمان

23.3.3 قرة العين حيدر كي ريورتا ژنگاري:

قرۃ العین حیدرنے ناول اورافسانے کی طرح کئی عمدہ اردور پورتا ژبھی تخلیق کیے ہیں۔ انھوں نے مختلف موضوعات پرکل گیارہ رپورتا ژکھے ہیں جوفکری وفنی اعتبار سے نہایت ہی اہمیت کے حامل ہیں۔ان کے بیتمام رپورتا ژدوکلیات ،کوہ د ماوند (۲۰۰۰ء) اور تمبر کا جاند (۲۰۰۲ء) کی صورت میں ایجو کیشنل پباشنگ ہاؤس ، د ہلی

سفرنامهاورر بورتا ژ

سے شائع ہو چکے ہیں۔ان کے بیشتر رپورتا ژکسی نہ کسی سفر کی روداد پربنی ہیں۔سفری عناصر کی کثرت ان کے رپورتا ژونسانوی خصوصیات رپورتا ژونسانوی حضوصیات اورانشا پردازی کی خوبیوں سے مملو ہیں۔وہ منظر کشی ،انسانی جذبات کی عکاسی اوروقا کنے نگاری پربد طولی رکھتی ہیں اس لیے وہ واقعات کومقامی تاریخی پس منظر میں رکھاس طرح پیش کرتی ہیں کہ قاری ان کی تحریروں سے متا بر ہوئے بغیر نہیں رہسکتا ہے۔

قرة العين كاپېلار پورتا ژ'ندن ليمُز' كےعنوان سے ۱۹۵۴ء ميں''شيشے كے گھر''اور اپريل ۱۹۶۰ء ميں نقوش لا ہور ميں شائع ہوا۔اس رپورتا ژميں انھوں نے ملكے پچلكے انداز ميں لندن كى سياسى ،ساجى ، تہذيبى ، ثقافتى ،اد بى اور معاشى پہلوؤں كودكش اور شگفتة اسلوب ميں پيش كيا ہے۔

دوسرار بوتا زودستمبر کاچاند ' ہے۔ بدر بورتا تر پہلی بار نقوش لا ہور ، جون ۱۹۵۸ء میں شائع ہوا۔ دوسری مرتبہ ۱۹۷۷ء میں رائٹر زبک کلب لا ہور سے شائع ہوا۔ بیقر ۃ العین حیدر کاسب سے اہم اور قابل ذکر رپورتا تر ہے اس رپورتا تر سے اردوادب میں ان کی شناخت بطور ایک رپورتا تر نگار کے قائم ہوئی۔ بدر پورتا تر جاپان میں منعقدہ مختلف زبانوں اور ملکوں کے ادبیوں کی بین الاقوامی کا نفرنس کے اثنیو میں سالا نہ اجلاس کی روداد پر شتمل ہے۔ جس میں دنیا کے تقریباً ۲۸ مما لک کے کم وبیش دوسواد بب شریک ہوئے تھے۔ اس رپورتا تر میں مصنفہ نے جاپان کی تاریخی ، جغرافیائی ، تہذیبی اور تدنی معلومات کو جس خوش اسلو بی سے پیش کیا ہے وہ نا قابل فراموش ہیں۔

تیسرار پورتا ژ' پد ماندی کے کنارے' کے عنوان سے رسالہ افکار، کراچی ،۱۹۶۰ء میں شائع ہوا قرۃ العین حیدر' رائٹرزگلڈ' کے وفد کے ساتھ ڈھا کہ گئے تھیں۔ بیر پورتا ژاسی سفراورگلڈ کی منائی جانے والی پہلی سالگرہ کی روداد بربنی ہے۔

چوتھار پورتا ژ''چھے اسیر توبدلا ہواز مانہ تھا'' ہے۔ بیر پورتا ژنقوش لا ہور،اپریل تا جون ۱۹۲۱ء میں شاکع ہوا۔ بیر پورتا ژمصنفہ کے بچپن کے دن جوانھوں نے جزائر انڈو مان نکو بار میں اپنے والدین کے ساتھ گزارے تھے کی روداد پرمشتمل ہے ۔مصنفہ نے یادوں کے سہارے وہاں کی فضا، حالات، تہذیب ومعاشرت اور قیدیوں کی زندگی کو بہت ہی دلچسپ اور پرکشش انداز میں پیش کیا ہے۔

پانچواں رپورتا ژ'' درچمن ہرورقی دفتر حال دیگرست''ہے۔ بیر پورتا ژرسالہ نقوش ، لا ہور ۱۹۲۸ء میں دونسطوں میں شائع ہوا۔اس رپورتا ژمیں قرق العین حیدر تاریخی واقعات کے ساتھ مذہبی معاملات کوجگہ جگہ بیان کرتی نظر آتی ہیں۔اس رپورتا ژمیں تاریخی واقعات اور مذہبی معلومات کاحسین امتزاج یا یا جاتا ہے۔

چھٹار پورتا ژ' کوہ دماوند' ہے۔ بیر پورتا ژماہنامہ آج کل ، مارچ ۱۹۲۸ء میں شائع ہوا۔ قرۃ العین حیدرشہنشاہ امران آریامہررضاشاہ پہلوی وفرح دیبائے جشن تاج گزاری میں شرکت کے لیے امران گئی تھیں ۔ بیر رپورتا ژاسی سفر کی تفصیلی روداد ہے۔قرۃ العین حیدرنے واقعات کو ماضی اور حال میں رکھاس انداز سے پیش کیا ہے کہ امران کی پوری تاریخ و تہذیب اس رپورتا ژمیں سمٹ آئی ہے۔

ساتواں رپورتا ز'' گلگشت' ہے۔ بیر پورتا زُ گفتگو، جمبئی ، مارچ ستمبر ۱۹۷۴ء میں شائع ہوا قرق العین حیدرکا بیہ طویل رپورتا زُ محکفہ نے اسے دوحصوں میں منقسم کیا ہے۔ پہلے جھے میں روس کی سیاحتی روداد کو تفصیل سے ۱۶ ذیلی عنوانات کے تحت پیش سے ۱۶ ذیلی عنوانات کے تحت پیش کیا گیا اور دوسرے جھے میں کشمیر کی روداد سفر کو 9 ذیلی عنوانات کے تحت پیش کیا گیا ہے۔ اس رپورتا زمیں مصنفہ نے روس کی سیاسی ، ساجی ، تہذبی اوراد بی امور ومسائل اور روس کے عروج وزوال کے ساتھ ہی گئیں کیا ہے۔

قرة العين حيرركي رپورتا ژ' ' دكن سانېيں شارسنسار مين'' كاخصوصي مطالعه آ تھواں رپورتا ژ''جہان دیگر' ہے۔ بیر پورتا ژمکتبہ اردوادب لا ہورسے پہلی بارشائع ہوا۔ بیر پورتا ژامریکہ میں منعقدہ ادبی کانفرنس بیبنی ہے۔اس رپورتا ژمکتبہ اردوادب لا ہورسے پہلی بارشائع ہوا۔ بیر پورتا ژامریکہ میں منعقدہ ادبی کانفرنس بیبنی ہے۔اس رپورتا ژمیس کاعنوانات کے تحت امریکی تاریخ وثقافت، ریڈایڈین ، پاپ کلچراور ہالی وڈکی صورتحال کو بڑی فنی چا بکدستی سے تحریر کیا ہے۔ تفاوت اور تعصّبات کے علاوہ ان کی تاریخ سے عدم آگا ہی کو بھی بیان کیا ہے۔

نواں رپورتا ژ' خضر سوچتا ہے وولر کے کنار ہے' ہے۔ یہ رپورتا ژوادی کشمیر کی حسین ویر فضاماحول کی سیروسیاحت پربنی ہے۔ پہلی بار ہفتہ وار بلٹز ، جمبئی اگست، شمبر ۱۹۷۹ء میں شائع ہوا۔ اس کاعنوان علامہ اقبال کے ایک شعر کے مصرعہ ثانی سے ماخوذ ہے۔

ہالہ کے چشمے البتے ہیں کب تک خضرسوچاہے وولرکے کنارے

وولر تشمیر کی بے حدخوبصورت اور حسین جھیل ہے۔قرۃ العین حیدر نے جب تشمیر کا سفر کیا تو وہاں کے تاریخی ، تہذیبی ، ساجی ، معاشرتی ، معاشی ، ثقافتی ، علمی واد بی ہرچیز کا بنظر غائر مشاہدہ کیا اور انھیں اپنے مخصوص لب و لہجے میں دکش بیانیہ اسلوب کے ساتھ بیش کیا ہے۔مصنفہ نے تشمیر کی طبعی تاریخ ، ہندوروایات ، تاریخی نشیب وفراز اوروہاں موجود انبیا کے مزاروں کا ذکر نہایت ہی مؤثر انداز میں کیا ہے۔

دسواں رپورتا ژن کن سانہیں ٹھارسنسار میں ' ہے۔ بیر پورتا ژبہلی بارافکار علی گڑھ، جون تا جولائی ۱۹۸۲ء میں شاکع ہوا۔ اس رپورتا ژکاعنوان دکن کے مشہور شاعر وادیب ملا وجھی کے ایک شعرکے مصرعہ ثانی سے لیا گیا ہے۔ قرق العین حیدر نے اس رپورتا ژمیں حیدرآ بادکی تاریخی ، تہذیبی ، سیاسی ، ساجی ، معاشی ، معاشرتی ، علمی واد بی حالات وکوائف اور حیدرآ باد کے عروج وزوال کی داستان کو اپنے سلیس ، سادہ اور شگفتہ اسلوب میں کچھ اس انداز سے پیش کیا ہے کہ حیدرآ بادشہ عہد بہ عہد اپنی تمام خوبیوں وخامیوں کے ساتھ قاری کی نگاموں کے سامنے زندہ ہواٹھتا ہے۔

گیار ہواں رپورتا ژ''قیدخانے میں تلاطم ہے کہ ہندآتی ہے'' ہے۔ بیر پورتا ژادب لطیف لا ہور،۱۹۸۳ء میں شائع ہوا۔اس رپورتا ژکاعنوان مرزاسلامت علی دبیر کے مرثیہ کے ایک مصرعہ سے ماخوذ ہے۔

قیدخانے میں تلاظم ہے کہ ہندآتی ہے دخترِ فاطمہ غیرت سے موئی جاتی ہے

یہ رپورتا ژبھی ایک طرح سے نثری مرثیہ ہے۔مصنفہ نے اس میں پوری دنیا کی ظلم وزیادتی ،انتشار وبنظمی ، جنگ وجدل ،حرص وہوں ،مجبوری ولا چاری ،حقوق کی پامالی اور فرائض سے لا پرواہی کو بہت ہی عبرتناک انداز میں پیش کیا ہے۔ یہ رپوری دنیا میں مجی قبل وغارت گری ،انسانی اقد اراور تہذیب تدن کی پامالی کا مرثیہ ہے۔

23.3.4 'دكن سانېين شارسنسار مين كاعمومي جائزه:

قرة العین حیدر نے اپنے بیشتر ناولوں کے عناوین کی طرح اس رپورتا ژکاعنوان بھی قطب شاہی دور کے معروف ومشہور شاعروادیب اور محمر قلی قطب شاہ کے دربار کا ملک الشعراء ملاً وجی کے اس شعر کے مصرعہ اولی پر رکھا ہے۔ مشہور شاعروادیب اور محمر قلی قطب شاہ کے دربار کا ملک الشعراء ملاً وجی کے اس شعر کے مصرعہ اولی پر رکھا ہے۔

دکن سا نہیں ٹھار سنسار میں بنج فاضلاں کا ہے اس ٹھار میں

قرة العین حیدریه رپورتا زیبلی بارافکار علی گڑھ، جون ، جولائی ۱۹۸۲ء میں شائع ہوا۔ اب بیان کے رپورتا زی کلیات' کوہ دماوند''میں شامل ہے۔ اس کلیات کوا یجویشنل پباشنگ ہاؤس ، دہلی نے ۲۰۰۰ء میں اپنے یہاں سے شائع کیا ہے۔ مصنفہ بیر پورتا زفکری وفنی لحاظ سے نہایت ہی اہمیت کا حامل ہے۔ ۲۳ صفحات پر شتمل اس

سفرنامهاورر بورتا ژ

ر پورتا ژمیں ایک جہان معانی پوشیدہ ہے۔قرق العین حیدر نے علاقۂ دکن جو بندھیا چل کے جنوب میں واقع ہے جس میں گوا،مہاراشٹر بچھتیں گڑھ، کرنا ٹک،آندھرا، تامل ناڈو، کیرلا اور تلنگانہ کی ریاستیں شامل ہیں کاسفر کیا۔ یہ رپورتا ژاسی سفر کی روداد پر بنی ہے۔محتر مہ نے اس رپورتا ژمیں اپنے تا ثرات، جذبات اور احساسات کو وسیع تاریخی و تہذیبی پس منظر میں اپنے مخصوص ومنفر دبیانیہ اسلوب میں اس انداز سے پیش کیا ہے کہ قاری حیدر آباد کے ماضی، حال اور مستقبل میں کہیں کھوجاتا ہے۔

ر پورتا ژکا آغاز سفرسے ہوتا ہے۔ قرق العین حیدر بذریعہ ٹرین کوچین سے روانہ ہوتی ہیں۔ ٹرین تامل ناڈواور کرنا ٹک سے گزرتی ہوئی سری رنگا پٹنم ،گلبر گہ، بیجا پور ہوتے ہوئے حیدرآ بادی پنجی ہے۔مصنفہ دوران سفر پیش آنے والے واقعات کو سیع تاریخی و مکانی پس منظر میں رکھ کراس طرح پیش کرتی ہیں کہ وہ علاقہ اپنی تمام نیر گلیوں کے ساتھ ہاری نگا ہوں کے سامنے آجا تا ہے۔وہ الفاظ کے ذریعے سفر کے دکش مناظر کو پیٹ کردیتی ہیں۔

'' کوچین سے روانہ ہوکرٹرین تامل ناڈوسے ہوتی کرناٹک سے گزررہی تھی۔ کمپارٹمنٹ میں ایک گوانی راہبہ ، دوملیالی خواتین ایک امریکن کا لیالڑکی۔ پرتگالی اورملیالی اورائگریزی کتابوں میں منہمک ۔ باہر گلبر گہتھا۔ مون اسکیپ۔ افق تاافق سرمئی میدان عجیب وغریب نمونوں کی چٹانوں سے پر۔ جیولیو جکل وقت کے سنگ تراش نے کہ شروع ہی سے تجریدی تھا، بیجد موڈرن اسکیچر اپنے اوپن ایراسٹوڈیومیں چن رکھے تھے۔' (دکن سانہیں کھارسنسار میں، مشمولہ، کوہ دماوند، ص ۲۷۳)

قرۃ العین حیدر کا قوت مشاہدہ ومطالعہ بہت ہی عمیق و تیز ہے۔انھوں نے دکن بالحضوص حیدر آباد کے تاریخی واقعات،معاشرتی حالات، تہذیبی روایات اوراد بی میلا نات کا مطالعہ بہت ہی باریک بنی اور ژرف نگاہی سے کیا ہے۔ اس کی پوری جھلک ہمیں اس رپورتا ژمیں دیکھنے کو ملتی ہے۔ بیر پورتا ژتاریخی ،ساجی، تہذیبی ، ثقافتی اوراد بی معلومات سے پُر ہے۔انھوں نے دکن کی عظیم مسلم سلطنتوں کے عروج و زوال کی داستان کو وقت کے جبر کے توسط سے بہت مختصر الفاظ میں جس طرح پیش کیا ہے وہ اپنی مثال آپ ہے۔

'' تاریخی وقت _اورارضیاتی اورفلکیاتی اورساواتی _ ہاں صاحب _وخت وخت کی بات ہے _ دوردور تنہا چٹانوں کے درمیان تنہا کھڑاکوئی شکستہ مقبرہ _ برید شاہی _نظام شاہی _عادل شاہی _آصف جاہی _

امریکن کالی لڑکی نے Visit South India ٹورسٹ ڈیپارٹمنٹ کا شائع کردہ نقشہ برتھ پر پھیلایا۔ فاطمہ کٹی اسے سمجھار ہی تھی۔

> ''نظامز ڈومینیز کے اضلاع میں سے را پکور، بیدراورگلبرگہ اب کرنا ٹک میں شامل ہیں۔'' شامل ہیں۔اورنگ آباد،عثمان آباد، بیڑھ، پر بھنی اور نانڈ سرمہاراشٹر میں۔'' چن میں پرزے پرزے ہوکے بکھری داستاں میری۔''

(دکن سانهیں تھارسنسار میں، شموله، کوه د ماوند جس: ۲۷۱_ک۷۲)

قرۃ العین حیدر مغلوں کے ذریعے فتے کیے علاقوں کے متعلق کھتی ہیں کہ خل ذی علم اور عقل مند ضرور تھے کین اس کے باوجود انھوں نے گئ شادۃ بادسلطنت کومزیدوسیع اس کے باوجود انھوں نے گئ شادۃ بادسلطنتوں پڑھن اس لیے حملے کیے تاکہ اپنے دائر سلطنت کومزیدوسیع کرسکیں مغل اس وقت طاقتور تھا اس لیے انھوں نے ان سلطنتوں کو اپنے میں ضم کر کے ان کی ثقافتی و تہذیبی روایت کو ختم کر دیا لیکن جب انگریز اس ملک میں آئے تو وہ مغلوں سے بھی زیادہ طاقت ور نکلے سوانھوں نے بھی ان کے ساتھ کر چکے تھے۔اس نقطہ نظر سے اگر ہم دیکھیں بھی ان کے ساتھ وہی کیا جووہ دوسرے باوشا ہوں کے ساتھ کر چکے تھے۔اس نقطہ نظر سے اگر ہم دیکھیں

قرة العين حيرركي رپورتا ژ' د كن سانهيں ٹھارسنسار مين'' كاخصوصي مطالعہ تو ہندستانی تاریخ کی ایک الگ تصویر نظر آتی ہے۔اس تصویر میں ہمیں ایک عکس بھی ایسا نظر نہیں آتا ہے جس میں مذہب کی بنیاد پرکسی حملہ کا شائبہ ہو۔ طاقتور سلطانوں نے ہندواور مسلم دونوں بادشا ہوں کے ساتھ وہی سلوک کیا جو بڑی مجھلیاں چھوٹی مجھلیوں کے ساتھ کرتی ہیں۔

''امپریل مغلول نے وسیع المشر ب ذی علم سلاطین کشمیرو مالوہ و بنگال ودکھن و گرات کا قلع قمع کیا۔ان سلطنتوں کی تاراجی تہذیبی اورانسانی المیہ تھی مغل خود نہایت غیر معمولی اورروش خیال اور ذی علم فر مال روا تھے۔ مگروہ بڑی مجھل تھے جوچھوٹی مجھلیوں کونگل گئے۔ چاند بی بی کے قلعہ احمر مگر میں انگریزوں نے پنڈ ت نہر واور مولا نا آزاد اور دوسرے کا نگریبی رہنماؤں کونظر بند کیا تھا۔اس سے نو سے سال قبل وہ اور مگل زیب کی اولا د بہادر شاہ کورنگون جھیجے کے سال قبل وہ اور مگل نکاے''

(دکن سانهیں تھارسنسار میں مشمولہ ،کوہ د ماوند ہص:۲۸۱)

فاتح حکمرال اپنا تسلط قائم کرنے اور خود کو سی خابت کرنے کے لیے مفتوح بادشا ہوں اور نوابوں کوعیاش، ناکارہ ، عیش پرست اور نااہل قرار دینے کے لیے پروپیگنڈے سے خوب کام لیتے تھے اور درباری مورخین سے ایسی کتابیں بھی کھواتے تھے جس سے ان کی ناا ہلی ثابت ہو سکے۔ ہندستانی تاریخ میں مفتوح حکمرانوں کے خلاف پروپیگنڈہ کی بیروایت بہت قدیم ہے۔ انگریز افسروں نے اس ہتھانڈ کے کواس قدراستعال کیا کہ ہندستانی عوام اور مورخ دونوں آج تک اس سے نکل نہ سکے۔ اس روایت کاذکر کرتے ہوئے مصنفہ کھتی ہیں کہ اس روایت نے ہندستان کے کئی عظیم بادشا ہوں کی خدمات اور ان کے کار ہائے نمایاں کو خاک میں ملا دیا۔ ساتھ ہی ان شہنشا ہوں کی سیرت ، شخصیت اور عزت کو بھی پارہ پارہ پارہ کر دیا ہے۔ افسوس تو اس بات کا ہے کہ ہم آج بھی ان پروپیگنڈ وں اور افوا ہوں برآئکھ بند کر کے یقین کر لیتے ہیں۔

''ہرآخری مفتوح حکمرال فاتحین کے بروپیگنڈے کا شکارہوتاہے۔ مغل بروپیگنڈے نے ابوالحن تاناشاہ کو بیہودہ ،ناکارہ، عیاش اور ظالم ظاہر کیا۔ برٹش بروپیگنڈے نے سراج الدولہ، ٹیوصاحب اورواجد علی شاہ کو۔ آج آزاد ہندوستان کا ہندی اردوپریس اس نازک خیال شاعراورعادل فرمانروا کی '' تاناشاہی''کوظلم اور سفاکی کی علامت کے طور پر استعال کررہاہے۔عالمگیری پروپیگنڈےکاسفر۔''

(دکن سانهیں ٹھارسنسار میں ،مشمولہ ،کوہ د ماوند ،ص:۲۸۹)

حیراآ بادکی عوام اپنے بادشاہوں اورنوابوں سے بے پناہ محبت کرتی تھی۔ وہاں کے سلطان بھی اپنی رعایا کے ساتھ ہدردی اور حسن سلوک کا معاملہ کرتے تھے۔ مصنفہ نے ان تمام پرو پیگنڈوں کو تاریخی حوالوں سے غلط ثابت کیا ہے۔ ان پرو پیگنڈوں کے برعکس حیراآ بادکی عوام فائح دکن اور نگ زیب کونفرت وحقارت سے دیکھتی ہے۔ اس وقت کے دکن ادب میں اور نگ زیب کے خلاف شدیدر قبل دیکھنے کوماتا ہے۔ یہی وجہ ہے کہ اہل حیدرآ بادکسی بھی ناپندیدہ چیز کواب تک عالمگیری کہتے ہیں۔ عوام میں دکنی سلطانوں کی مقبولیت کا اندازہ ذیل کے اقتباس سے آپ خودلگا سکتے ہیں۔

''جب بیچارے عبداللہ قطب شاہ والی گولکنڈہ کوشنرادہ اورنگ زیب سے زبردتی صلح کرنا پڑی تھی اور مغلوں کا تابع ہوا تھا۔اس نے نئ مہر بنوائی تھی دختم

بالخیروالسعادهٔ یعنی آج سے آزاد قطب شاہی قلم وکا خاتمہ ہوا۔ آصف جاہی حیدرآبادکا خاتمہ بالخیروالسعادہ جزل چودھری کے ذریعے ہوااور خراکھنو گورنمنٹ ہاؤس پہنچی تو حیدرآبادی شاعرہ، بلبل ہند، مہاتما گاندھی کی دست راست ، جوشلی قوم پرست، قومی رہنماسروجنی نائیڈو پھوٹ پھوٹ کرروئیس اور بولیں ہائے میرے بادشاہ کوتخت سے اتاردیا۔"

(دکن سانهیں ٹھارسنسار میں مشمولہ ،کوہ د ماوند ہص:۲۸۱)

قرة العین حیدر دکنی سلاطین کے تعمیری تعلیمی وساجی خدمات اورکارناموں کا ذکر بہت جذباتی انداز میں کرتی ہیں۔ وہ تھی ہیں کہ حیدرآ بادکا قلعہ اتنا وسیج وعریض ہے کہ مغلوں کے تمام قلع اس کے ایک کونے میں ساسکتے ہیں۔ ان کے محلات اور طرز تعمیر دیدنی ہیں۔ دکنی سلطانوں نے مشتر کہ تہذیب کوفروغ دیا۔ انھوں نے اپنی ریاستوں کی بنیا دمشتر کہ تہذیب پرقائم کی جہاں نہ ہی اور مسلکی منافرت کی کوئی گنجائش نہیں تھی۔ ہندو، مسلم شیعہ اور مسلکی منافرت کی کوئی گنجائش نہیں تھی۔ ہندو، مسلم ، شیعہ اور سنی سب باہم شیر وشکر رہتے تھے۔ آز دی نسواں بعلیم نسوں اور خود مختاری نسواں پر انھوں نے خصوصی مضبوط تھی کہ وہ دو سرے ملکوں کی مالی مدد کرتے تھے۔ زوال حیدرآ باد کے بعد وہاں کی حالت نا گفتہ بہ مضبوط تھی کہ وہ دوسرے ملکوں کی مالی مدد کرتے تھے۔ زوال حیدرآ باد کے بعد وہاں کی حالت نا گفتہ بہ درکوا پنے ذاتی رنج وغم میں ڈھال کراس طرح پیش کیا ہے کہ اس شہر کا ایک عہد نہیں بلکہ کئی عہدوں کی مختلف دردکوا پنے ذاتی رنج وغم میں ڈھال کراس طرح پیش کیا ہے کہ اس شہر کا ایک عہد نہیں بلکہ گئی عہدوں کی مختلف تھوریوں میں مسلمانوں کی تاہی والمنا کی کی یوری تاری خسمٹ آئی ہے۔

"مرینہ بلڈنگ ۔ایک وقت تھاجب تیل کی دریافت سے قبل سعودی عرب کی آمدنی حاجیوں اور مجوروں پر شتمل تھی ۔ تب مدینہ بلڈنگ ٹرسٹ کاروپیہ بطورامدادہاں بھیجاجا تا تھا۔بازار کے اسی راستے سے اب نئے دولت مند بوڑھے عرب اپنی کم سن عارضی دلہنوں کوشاپنگ کے لیے لے جاتے ہیں۔دکھلائے لیجا کے اسے مصرکا۔"

(د کن سانهیں ٹھارسنسار میں ،مشمولہ ،کوہ د ماوند ،ص:۲۹۴)

''حیدرآ بادکاای کی کہ موسے پہلے اور بعد باہر والوں کے لیے کھ اس طرح تھااور ہے۔حضور نظام بے شاریار جنگ۔مولوی عبدالحق۔اردو۔دارالتر جمہ۔ جامعہ عثانیہ۔رضا کار۔ پولیس ایکشن۔ زوال۔تلنگانہ تحریک۔مخدوم''الیی بلندی الیمی پستی' زوال۔ بگھارے بیگن۔نوابوں کی عیاشی کے متعلق بلندی الیمی پستی' زوال۔ بگھارے بیگن۔نوابوں کی عیاشی کے متعلق افسانے۔غریب مسلمان لڑکیوں کے بوڑھے متمول عرب خریدار۔تباہ حال نواب۔زوال۔' (دکن سانہیں ٹھارسنسار میں، شمولہ کوہ داوندہ سے الاہ۔

قرة العين حيدر كي رپورتا ژ'' دكن سانېيں څارسنسار مين'' كاخصوصي مطالعه جدیدیت کی چکاچوندمیں ہم جس تاریخی و تہذیبی ورثے سے محروم ہوتے جارہے ہیں، قرۃ العین حیدراسی ٹتی ہوئی تاریخ و تہذیب تاریخ و تہذیب کی تخلیق کارتھیں۔ اس رپورتا ژمیں انھوں نے شالی ہندمیں معدوم ہوتی ہوئی مسلم تہذیب و ثقافت اور مسلم حکمرانوں کی تعمیر کردہ عمارتوں کی روشنی میں حیدرآ باد کی تہذیبی و تاریخی نقوش کے مٹنے پرافسوں کرتی ہیں کہ جس طرح شال میں تاریخ بہت قدیم لگنے لگی ہے اسی طرح سے اگر حیدرآ باد کے لوگوں نے توجہ نہیں کی توان کی نئی نسلوں سے حیدرآ باد کی تاریخ بھی بہت دور ہوجائے گی ۔اس تقابل سے صورت حال کی سگینی میں مزیدا ضافہ ہوگیا ہے۔

''ہم لوگ گئے۔ ڈھونڈ نے۔ امرودوں کے ایک جھنڈ کے پنچے اشارہ کرکے انھوں نے فرمایا۔ ''وہ جو چندا پنٹیں پڑی ہیں بہی تھا۔''
''کیا؟''ان کے پچے نے امرود توڑتے ہوئے دریافت کیا۔ ابتی ۔ وہی فرمت خان عالی کا مزار۔ ہاجی پوچھر ہی تھیں۔ میں جانوں کتاب میں ڈالیس گی۔ یہ نیک لوگ سیر حسین خال اور نعت خان عالی کے ورثاء تھے۔ شال میں تاریخ بہت چیچے ہٹ چی ہے۔ دکھن میں ابھی قدر بے نزدیک معلوم ہوتی تاریخ بہت چیچے ہٹ وئی جہدر آباد میں رہتے ہیں۔ اولاد کینیڈ امیں۔ تاریخ اس کینیڈ بن اولاد سے ہوئی) حیدر آباد میں رہتے ہیں۔ اولاد کینیڈ امیں۔ تاریخ اس کینیڈ بن اولاد سے بھی بہت دور ہٹ جائے گی۔''
درکن سانہیں ٹھارسنسار میں ، شمولہ ، کوہ د ماوند ، ص : ۲۸۲ ۲۸۲)

اس رپورتا ژکاایک اہم موضوع ادب اورادیب ہے۔قرۃ العین حیدرکو جہاں بھی موقع ملا ہے انھوں نے اس پر کھل کر خامہ فرسائی کی ہے۔وہ حیدرآ بادیو نیورٹی ،جامعہ عثانیہ ،انجمن ترقی اردو ،ادارہ ادبیات اردو،ایوان اردواوراردوہال کی سیر کرتی ہیں۔وہاں کے گئی نامورادیوں اور شاعروں سے ملاقات کرتی ہیں۔حیدرآ بادمیں اردوادب اوراداروں کی جوصورت حال ہے اس پر تبھرہ کرتے ہوئے کھتی ہیں۔

''ایوان اردوبا ہرسے جتناخوبصورت ہے اندرادارہ ادبیات اردوا تناہی افسردہ حال کھی الماریوں میں گردآ لودنا دراوراہم کتب و مخطوطات وشاہی فرامین دیمک اور چوروں کے منتظر اودھ پنچ ۱۸۷۵ء کا فائل برقی تیکھے کے نیچ کی پیٹی شاتا ہوا۔ایک طرف اکبر کی''ذوالفقار''جس پرجلال الدین محمدا کبرکندہ ہے اس طرح رکھی ہے گویا باور جی خانہ کا چاقو پڑا ہو۔''
ہے اس طرح رکھی ہے گویا باور جی خانہ کا چاقو پڑا ہو۔''
(دکن سانہیں ٹھارسنسار میں، مشمولہ کوہ دماوندہ سے اور ۲۹۲)

قرة العین حیدرکا کمال یہ ہے کہ انھوں نے مقامی مسائل کے ساتھ عالمی سطح پر جوتغیر و تبدل ہور ہاتھا اور جن مسائل کا سامنا آج پوری عالمی برادری کررہی ہے ان کوبھی اپنی تخلیقات میں پوری شدو مدکے ساتھ پیش کیا ہے۔ نوآ بادکاری کے لیے عالمی سطح پر قدرتی ذخائر اور وراثت کو جس برق رفتاری سے تباہ و بر بادکیا جارہا ہے اور ان کے نتیج میں انسانی زندگی اور طرز حیات پر جومضرا شرات مرتب ہور ہے ہیں ، آب ہوا میں جس طرح کی آلودگی پیدا ہور ہی ہے اور انسانی زندگی سے اشجار، حیوانات ، نبا تا ت اور چرند و پرند جس تیزی سے معدوم ہوتے جارہ بیں ان سارے مسائل و موضوعات کو قرق العین حیدر نے اپنی تحریروں میں جا بجا پیش کیا ہے ۔ قدرتی بیں ان سارے مسائل و موضوعات کو قرق العین حیدر نے اپنی تحریروں میں جا بجا پیش کیا ہے ۔ قدرتی دخائر اور وسائل کے بے جا استعال سے وہ بہت دکھی تھیں ۔ انھیں اس بات کا شدت سے احساس تھا کہ اگر نیچرل ریسور سزکو بچانے کی بروقت کوشش نہیں کی گئی تو انسانی و جو دخطرے میں پڑجائے گا اور دنیا تباہی کے دہانے پر بہنج میں ایک کی بروقت کوشش نہیں کی گئی تو انسانی و جو دخطرے میں پڑجائے گا اور دنیا تباہی کے دہائے پر بہنج جائے گا ۔ پھرساری کوششیں سعی لا حاصل ثابت ہوں گی ۔ ان یا د دہانیوں کونظر انداز کرنے کا نتیجہ ہے کہ آئی جائے گی ۔ پھرساری کوششیں سعی لا حاصل ثابت ہوں گی ۔ ان یا د دہانیوں کونظر انداز کرنے کا نتیجہ ہے کہ آئی

سفرنامهاورر بورنا ژ

دنیا گلوبل وارمنگ جیسے مسائل سے دور چار ہے اوراس سے نکلنے کااس کے پاس کوئی راستہ نہیں ہے۔
'' شہر حیررآ با دائیک ایساقد رتی لینڈ اسکیپ گارڈن جس کاارتقائی صبّاع نہ صرف تجریدی بلکہ جاپانی بھی تھا۔ ہر طرف وہ انوکھی چٹانیں جنمیں گویا ہنری موراور بار براہیپ ورتھ نے تراشا ہوان کوڈائنا مائٹ سے اڑا کرمکان بنائے جارہے ہیں کیونکہ لوگال کی عقلال پر پتھر پڑگئے ہیں۔'' جارہے ہیں کیونکہ لوگال کی عقلال پر پتھر پڑگئے ہیں۔''

قرة العین حیدرعام طور پر مذہبی معاملات میں نہیں پڑتی ہیں لیکن اس رپورتا زمیں حضرت عیسی کی آمد کے تعلق سے پور پین خواتین کے ذریعے بعض سوال اٹھاتی ہیں۔حضرت عیسی کی آمد کا انتظار مسلمان اور عیسائی دونوں کررہے ہیں۔دونوں کا ماننا ہے کہ جب دنیا میں لادینی ظلم اور زیادتی بڑھ جائے گی تو حضرت عیسی کا نزول ہوگا۔حضرت عیسی لوگوں کے لیے رحمت بن کر آئیس گے۔لیکن وہ کب ، کیسے اور کس شہر میں آئیس گے یہ سوالات عام عیسائیوں کے ذہنوں میں ہلیل پیدا کررہے ہیں۔اس سلسلے میں ان کے ذہبی رہنما مستقل خاموشی اختیار کیے ہوئے ہیں۔

''یورپین خواتین میں سے ایک نے دوسری سے کہا'' دنیا میں انتشار اور لا دینی بڑھ رہی ہے۔ شاید جیزس جلد آجائے۔ گرمیں سوچتی ہوں وہ آئے گاکس طرح۔ ہوا میں اڑتا آ کر کہیں لینڈ کرے گا؟ اور کس ملک اور کس شہر میں آن کر اترے گا؟ جواباً اطالوی راہبات جیپ جاپ تسبیح بھیرتی رہی تھیں۔''

راترے گا؟ جواباً اطالوی راہبات جیپ جاپ تسبیح بھیرتی رہی تھیں۔''
(دکن سانہیں ٹھارسنسار میں ، مشمولہ ، کوہ د ماوند میں ، ۲۹۴)

قرۃ العین حیور نے شہر حیورآ باد کو مختلف واقعات وحالات کی روشیٰ میں اپنے مخصوص ودکش بیانیہ اسلوب میں پھھ اس انداز سے پیش کیا ہے کہ عہد قطب شاہی سے عہد آصفیہ تک کے حیورآ باد کی تاریخی ،سیاسی ،سابی ،مابی ،معاشی ،معاشر تی ، ثقافتی ، تہذبی اوراد بی تصاوی فلموں کے مانند ہماری نظروں کے سامنے رقص کناں ہوجاتی ہیں۔ساتھ ہی وہ عہداوراس وقت کا حیورآ بادا پنے تمام معائب ومحاس کے ساتھ ہمارے سامنے جی المحتاہ ہے۔ فرق العین حیور نے اس رپورتا تر میں کرداروں کا تعارف واقعات کے پیش نظر ضرورت کی حدتک کیا ہے۔انھوں نے صرف ان کرداروں کو پیش کیا ہے جن کا تعارف واقعات سے تھا۔ کرداروں کے رنگ ڈھنگ ، چپل چپلن اورخو بیول وخامیوں میں اپنی طرف سے کوئی حذف واضافہ نہیں کیا بلکہ چتی المقدروان کو ہو بہوفظی پیکروں عیان اورخو بیول وخامیوں میں اپنی طرف سے کوئی حذف واضافہ نہیں کیا بلکہ چتی المقدروان کو ہو بہوفظی پیکروں میں ڈھالنے کی کوشش کی ہے۔ اوروہ اس میں پوری طرح سے کا میاب رہی ہیں۔ قرۃ العین حیور نے اس رپورتا تر میں حقیقت نگاری کے ذریعے جیتے جاگتے اور متحرک کرداروں کو پیش کیا جن سے وہ بذات خودال چکی میں۔ اس رپورتا تر میں کوئی کردارالیہ نہیں ہے جوشروع سے آخرتک سرگرم عمل رہا ہو۔صرف رپورتا تر نگار کی جی۔ اس رپورتا تر میں اپورے در اپورتا تر کی عمارت کھڑی کے دیانات پر ہی اس پورے رپورتا تر کی عمارت کھڑی ہے۔ بیر بورتا تر کردارزگاری کے کھاظ سے بڑی اہمیت کے بیانات پر ہی اس پورے رپورتا تر کی عمارت کھڑی ہے۔ بیر بورتا تر کردارزگاری کے کھاظ سے بڑی اہمیت کا ممانل سے

قرة العین حیدرکواظهاربیان پرکمل دسترس حاصل ہے اس لیے وہ پیچیدہ سے پیچیدہ مسائل کوبھی نہایت آسانی سے سادہ اورشگفتہ اسلوب میں پیش کردیتی ہیں۔ان کے اسلوب میں ایک خاص فکری بلندی اور مشاہداتی گہرائی پائی جاتی ہے جو ان کی تحریروں کودیگرنٹر نگاروں سے ممتاز بناتی ہے۔ بیانیہ اسلوب کے لحاظ سے'' وکن سانہیں ٹھارسنسارمیں'' قرۃ العین حیدرکا ایک اہم اور دلچیپ رپورتا ژہے۔واقعات وموضوعات کی رنگارنگی اور اسلوب

قرة العين حيرركي رپورتا ژ' د كن سانهيں څارسنسار مين' كاخصوصي مطالعه کا تنوع جس قدراس رپورتا زمیں موجود ہے وہ بہت کم دیکھنے کوماتا ہے۔ فکری تہدداری اوراسلو بی ندرت وجدت بھی بدرجہ اتم اس میں پائی جاتی ہے۔قرق العین حیدر کی بیانیہ قدرت اور خلیقی بصیرت نے اس رپورتا ژکی فنی قدرو قیت میں چارچاندلگادیئے ہیں۔مصنفہ کا ہید کش اور لازوال رپورتا ژاپنی فکری وفنی خوبیوں کے باعث اردوا دب میں ہمیشہ قدرومنزلت کی نگاہ سے دیکھا جائے گا۔

23.5 آپ نے کیا سیکھا

اس ا کائی میں آپ

- قرة العين حيدر كے حالاتِ زندگی اور كارناموں سے واقف ہوئے۔
 - قرة العين حيدر ك فكرون كو تمجھ سكے۔
 - قرة العين حيدر كي رپورتا ژنگاري كے امتيازات كوجان سكے۔
- رپورتا ژنگاری میں قر ة العین حیدر کے مقام ومرتبے اورانفرادیت کانعین کرسکے۔
- قرۃ العین حیدر کے رپورتا ژ' د کن سانہیں ٹھارسنسار میں' کے جملہ پہلوؤں سے متعارف ہوئے۔

23.6 اپناامتخان خور کیجیے

- 1 قرة العين حيدر كانام، تاريخ پيدائش اوروفات بيان يجيجه ـ
- 2_ قرة العين حيدرنے كل كتنے رپورتا ژقلم بند كيے مع نام تحرير كيھيے؟
- 3۔ رپورتا ژکا بتدائی نفوش کے بارے میں ڈاکٹر قمر رئیس کا کیا خیال ہے اپنے لفظوں میں بیان کیجیے؟
 - 4۔ قرۃ العین حیدر کا پہلار پورتا ژکون ساہے اوراس میں کس ملک کی روداد سفر کوئیش کیا گیاہے؟
 - 5- "دُكُن سانهين هارسنسار مين" كوايخ الفاظ مين مخضراً بيان كيجي؟
 - 6 قرة العين حيدر كي ريورتا ژنگاري كومخضراً بيان كيجي؟

23.7 سوالات کے جوابات

- 1۔ قرۃ العین حیدر ۲۰ رجنوری ۱۹۲۷ء کوعلی گڑھ میں پیدا ہوئیں۔والدین نے ان کانام''نیلوفر''رکھا تھالیکن ماموں سیدا میرافضل علی نے ان کانام تبدیل کر کے''قرۃ العین''ر کھ دیا۔عرف عام میں لوگ آخیں عینی کے نام سے پکارتے تھے۔قرۃ العین حیدر کی وفات ۲۱ راگست ۲۰۰۷ء ساڑھے تین بجے جس نوئیڈا کیلاش میں ہوئی۔
 - 2۔ قرۃ العین حیدر نے مختلف موضوعات برکل گیارہ رپورتا ژنخلیق کیے جودرج ذیل ہیں۔

1- لندن ليٹر (۱۹۵۸ء) 2- ستمبر کا چاند (۱۹۵۸ء)

3- پدماندی کے کنارے (۱۹۲۰ء) 4- چھٹے اسپر توبدلا ہواز مانہ تھا (۱۹۲۲ء)

5- دَرِجِن ہرور قیٰ دفتر حال دیگرست(۱۹۲۸ء) 6- مُوہ دیاوند (۱۹۲۸ء)

7- گلگشت (۱۹۷۴ء) 8- جهان دیگر

9- خضر سوچتاہے وولر کے کنارے (۹ کے ۱۹ ء) 10- دکن سانہیں تھارسنسار میں (۱۹۸۲ء)

11-قیدخانے میں تلاظم ہے کہ ہندآتی ہے(۱۹۸۳ء)

3۔ ڈاکٹر قبررئیس کاخیال ہے کہ اردومیں رپورتا ژکے ابتدائی نفوش سفرناموں ،یادداشتوں،ڈائریوں ،خطوط، تذکروں،رودادوں اورربورٹوں وغیرہ کی شکل میں دیکھنے کو ملتے ہیں۔ان کامانناہے کہ اس کا ذراواضح تصورانیسویں صدی کے آخر کی اصلاحی تحریکیوں کے زیرا ثر جلسوں کی رودادوں میں ملتا ہے جواس وقت کے اخباروں اور رسالوں میں شائع ہور ہی تھیں ۔اینے اس دعوے کی دلیل میں وہ عبدالحلیم شرر کی ایک روداد کاذکرکرتے ہوئے کھتے ہیں۔ ''میں صرف ایک مثال براکتفاکروں گا۔ ۹رمئی روزيك شنبه ١٨٨٤ء قيصر باغ لكھنو كى تاريخي عمارت ميں انجمن دارالاسلام كا جلسه ہور ہاتھا جس ميں بقول عبدالحلیم شربین بچیس ہزاراوگ شریک ہوئے ۔شرر نے'' دلگداز'' کے چیصفحات میں اس اجتماع کی رو داد حال کے صنعے میں Running Commentary کے انداز میں کھی۔''اس وقت تک اردوادیب نہ تواس صنف سے واقف تھے اور نہ ہی اس صنف کا کوئی واضح تصوران کے یہاں پایا جاتا تھا۔اردوکے نثر نگاروں نے غیرشعوری طور براس صنف کو برتا ہے جوآ کے چل کرصنف ریورتا ثر نگاری کی اساس ہے۔

قرة العین کا پہلار پورتا ژ''لندن لیٹر'' ہے۔مصنفہ کا پیر پورتا ژ۴۹۹ء میں'' ششے کے گھر''اورایریل 1970ء میں نقوش لا مور میں شائع موا۔اس ربورتا ژبیس انھوں نے ملکے کھلکے انداز میں لندن کی سیاسی ، ساجی، تهذیبی، ثقافتی، ادبی اور معاشی بهلوؤل کودکش اور شگفته اسلوب میں پیش کیا ہے۔ بیر بورتا ژلندن کے سفری روداد برمبنی ہے۔

قرة العین حیدر نے علاقۂ دکن جو بندھیا چل کے جنوب میں واقع ہے جس میں گوا،مہاراشر،چھتیس گڈھ ، كرنا تك، آندهرا برديش، تامل نا دُو، كيرلا اور تلنگانه كي رياستين شامل بين كاسفركيا - بير يورتا ژاسي سفر كي روداد برمبنی ہے۔مصنفہ نے اس رپورتا ژیس اینے تأثرات،جذبات اور احساسات کووسیع تاریخی وتہذیبی پس منظر میں اپنے مخصوص ومنفر دیانیہ اسلوب میں اس انداز سے پیش کیا ہے کہ قاری حیدرآباد کے ماضی ،حال اور مشتقبل میں کہیں کھوجاتا ہے۔ قرق العین حیدرکا رپورتاژ ''دکن سانہیں مھارسنسار میں'' پہلی بارافکار علی گڑھ، جون ، جولائی ۱۹۸۲ء میں شائع ہوا۔اب بیان کے رپورتا ژی کلیات'' کوہ د ماوند'' میں شامل ہے۔اس کلیات کوا بجوکیشنل پباشنگ ہاؤس ، د ہلی نے ۲۰۰۰ء میں اینے یہاں سے شائع کیا ہے۔مصنفہ کا بیررپورتا ژفکری وفنی لحاظ سے نہایت ہی اہمیت کا حامل ہے۔ مس صفحات برمشتمل اس ریورتا ژبیس ایک جہان معانی پوشیدہ ہے۔قرق العین حیدر کا قوت مشاہدہ ومطالعہ بہت ہی عمیق وتیز ہے۔انھوں نے دکن بالخصوص حیدرآ باد کے تاریخی واقعات،معاشرتی حالات، تہذیبی روایات اوراد بی میلا نات کا مطالعہ بہت ہی باریک بنی اور ژرف نگاہی سے کیا ہے۔اس کی بوری جھلک ہمیں اس رپورتا ژمیں دیکھنے کوملتی ہے۔ بیر بیرتا ژتاریخی ،ساجی،تہذیبی ،ثقافتی اوراد کی معلومات ومسائل سے برہے۔انھوں نے اس رپورتا ژمیں دکن کی عظیم مسلم سلطنتوں کے عروج وزوال کی داستان کوونت کے جبر کے توسط سے بہت مختصرالفاظ میں جس طرح بیش کیا ہے وہ اپنی مثال آپ ہے۔قرق العين حيدر نے شهر حيدرآ با د کومختلف واقعات وحالات کی روشنی میں اپنے مخصوص ودکیش بیانیہ انسلوب میں ، کچھاس انداز سے پیش کیاہے کہ عہد قطب شاہی سے عہد آصفیہ تک کے حیدرآ باد کی تاریخی ،سیاسی ،ساجی ،معاشی ،معاشرتی ،ثقافتی ،تہذیبی اوراد بی تصاور فلموں کے مانند ہماری نظروں کے سامنے چلتی

قرة العين حيدر كي رپورتا ژ' د كن سانېيں څھارسنسار مين' كاخصوصي مطالعه پھرتی معلوم ہوتی ہے۔ساتھ ہی وہ عہداوراس وقت کا حیدرآ بادا پنی تمام نیرنگیوں کے ساتھ ہمارے سامنے جی اٹھتا ہے۔

6۔ اردور پورتا ژنگاری کی روایت کو پروان چڑھانے اور بام عروج تک پہنچانے میں قرۃ العین حیدرکانام سرفہرست ہے۔اردوادب میں ان کامقام ومرتبہ بہت ہی بلندہ۔انھوں نے افسانوی ادب کر ساتھ غیرافسانوی ادب بالخصوص رپورتا ژ میں بھی اپنی انفرادیت قائم کی ہے۔قرۃ العین حیدرکا پہلار پورتا ژ''لندن لیٹر'' ہے جو ۱۹۵۳ء میں ''شیشے کے گھر'' اور اپریل ۱۹۲۰ء میں نقوش حیدرکا پہلار پورتا ژ''لندن لیٹر'' ہے جو ۱۹۵۳ء میں ''شیشے کے گھر'' اور اپریل ۱۹۲۰ء میں نقوش الا ہور میں شاکع ہوا۔انھوں نے ۱۹۵۳ء میں "ایمار ۱۹۸۳ء کے مختلف موضوعات پرتقریباً گیارہ رپورتا ژخو ریکیے جواردوادب میں شاہکارکادرجہ رکھتے ہیں۔ لندن لیٹر، کوہ دماوند ، گلگشت ، متمبرکا چاند، جہان دیگر، دکن سانہیں ٹھارسنسار میں اورقیدخانے میں تلاحم ہے کہ ہندآتی ہے وغیرہ اہم متمبرکا چاند، جہان دیگر، دکن سانہیں ٹھارسنسار میں اورقیدخانے میں تلاحم ہے کہ ہندآتی ہے وغیرہ اہم اورقابل ذکر ہیں۔ان کے رپورتا ژفری دونوں اعتبار سے نہایت ہی اہمیت کے حامل ہیں۔ان کے پیشتر رپورتا ژکر میں ، دبلی سے شائع ہو چکے ہیں۔ان کے بیشتر رپورتا ژکر میں منظری روداد پرٹئی ہیں۔سفری عناصر کی کثرت ان کے رپورتا ژکوسفری رپورتا ژکوسفری رپورتا ژکوسفری اورتا ژکوسفری ایورتا ژکوسفری ایورتا ژکوسفری سے مملو ہیں۔وہ منظرشی ،انسانی جیدر کے رپورتا ژافسانوی خصوصیات اور انشاء پردازی کی خوبیوں سے مملو ہیں۔وہ منظرشی ،انسانی حیدر کے رپورتا ژافسانوی خصوصیات اور انشاء پردازی کی خوبیوں سے مملو ہیں۔وہ منظرشی ،انسانی حیدر کے رپورتا ژافسانوی خصوصیات اور انشاء پردازی کی خوبیوں سے مملو ہیں۔وہ منظرشی ،انسانی رکھاس طرح پیش کرتی ہیں کرتا ہیں کی تاری کی کو رپور کے بغیر نہیں رہیتا ہے۔

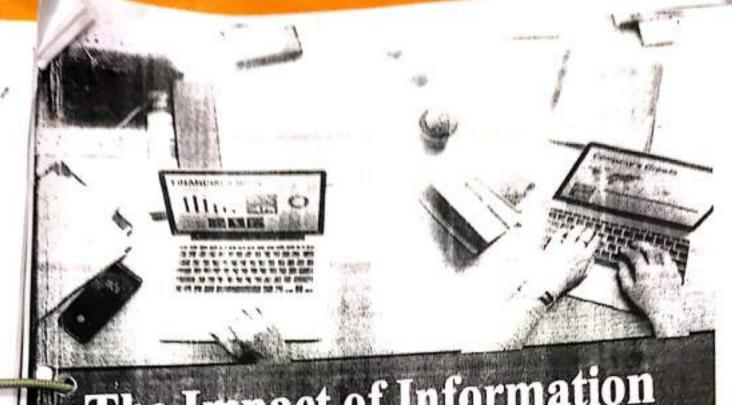
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کسی کام میں بہت مصروف	منهك	عيسائی عابدہ، تارک الدنیاعورت	راهبه
بےرحی ستم گری، بر بریت	سفا کی	حكمران، حاكم ، بإدشاه	فرمال روا
بد کار، ^{عی} ش وآ رام میں رہنے والا	عياش	سلطنت،ریاست،حکومت،	قلمرو
		بإدشارت	
وقتى	عارضى	كم عمر	کم سن
(وارث کی جمع)ور نہ پانے والے	ورثاء	مددكرنا	امداد
تر تی پذیر	ارتقائي	کاریگر	صناع
علم والا ، عالم	ذى علم	بجلي	برق
بچقر کا ٹنے والا	سنگ تراش	برِا گنده هونا،تتر بتر هونا	انتشار
عروج کی ضد،ا تار،سورج کانصف	ز وال	تو ژپھوڑ ،مساری،انہدام	قلع قمع
النهارسے نیچاتر نا			
ڻو ڻا <i>ٻ</i> وا	شكسته	آسان کا کنارہ جوز مین سے	أفُق
		ملا ہوا دکھائی دے	

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The Impact of Information Technology on Business and Society

Prof. Dr. Aftab Anwar Shaikh, Dr. Eram Khan Dr. Nasrin Parvez Khan



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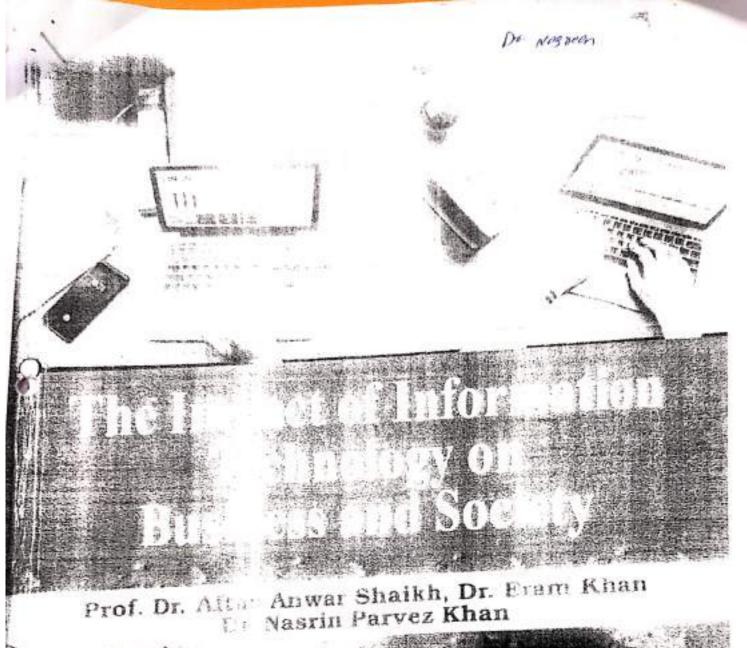
New Trends in M-Commerce Which Need To Develop Economy

Prof. (Dr.) Aftab Anwar Shaikh

Abstract: Industrialization, population and technology develops any economy by increasing its GDP. When business and technology get developed then indirectly economy and per capital income also increases. Recently taking a flight way high the technology has developed considerably and one of the most recent examples of developed technology is Wireless Mobile Device. Today, mobile makes most toeing thing for day-to-day life of peoples to do more work in less time. Using these mobile technologies, it is not only possible to buy or sell the product and provide services but also use banking services and which is a part of commerce. Buying or selling goods and services using mobile is called as M-Commerce i.e., Mobile Commerce. Mobile Commerce also includes mobile banking, ticket booking on mobile, paying and receiving money on mobile, information sharing and mobile marketing. This paper discusses about introduction of M-Commerce and to know which latest trends have arrived in M-Commerce sector. Also, it attempts to discuss the effective usage of M-Commerce in day-to-day life. Paper also includes the new trends on how it is useful for the growth of various industries and overall economic growth.

Keywords: M-Commerce, new trends, mobile services, mobile, economy.

Introduction to M-Commerce: The full form of M-Commerce is Mobile Commerce. Mobile commerce is a process of buying and





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Digital Marketing Management in Education

Dr. Nasrin Khan

ABSTRACT

The rate of media consumption has increased in India. According to statistics there were 460 million internet users in 2018, which has reached to 658 million users by 2022. With this India bags the second spot after China, in terms of largest online market. If we further look into the facts out of these 460 million users, 430.3 are active mobile users, 250 active social media users and 230 active mobile social media users. These fact helps us in understanding the increased role of digital formats used for promotion purposes and creating and maintaining customers and relationships. The main purpose of this study was to understand these new trends of digital marketing in education industry and how they are proving beneficial for communicating, attracting, acquiring, and maintaining customers effectively and efficiently. This is also bringing in a new change in the perception levels of the customers regarding the educational institutions.

INTRODUCTION: Digitization and great data packages, and good connectivity has led to drastic changes in terms of internet users in 2018 as compared to data of 2013. As already seen above the increased no of internet users in India surging to 460 million, out of which 250 and 230 active social and mobile social media users, it seems digital marketing is going to get more importance in the coming years. Let's, look at the definitions of Digital marketing management and its effective usage in the education industry by colleges and schools for attracting and maintaining customers.

ESSENTIAL OF E-COMMERCE

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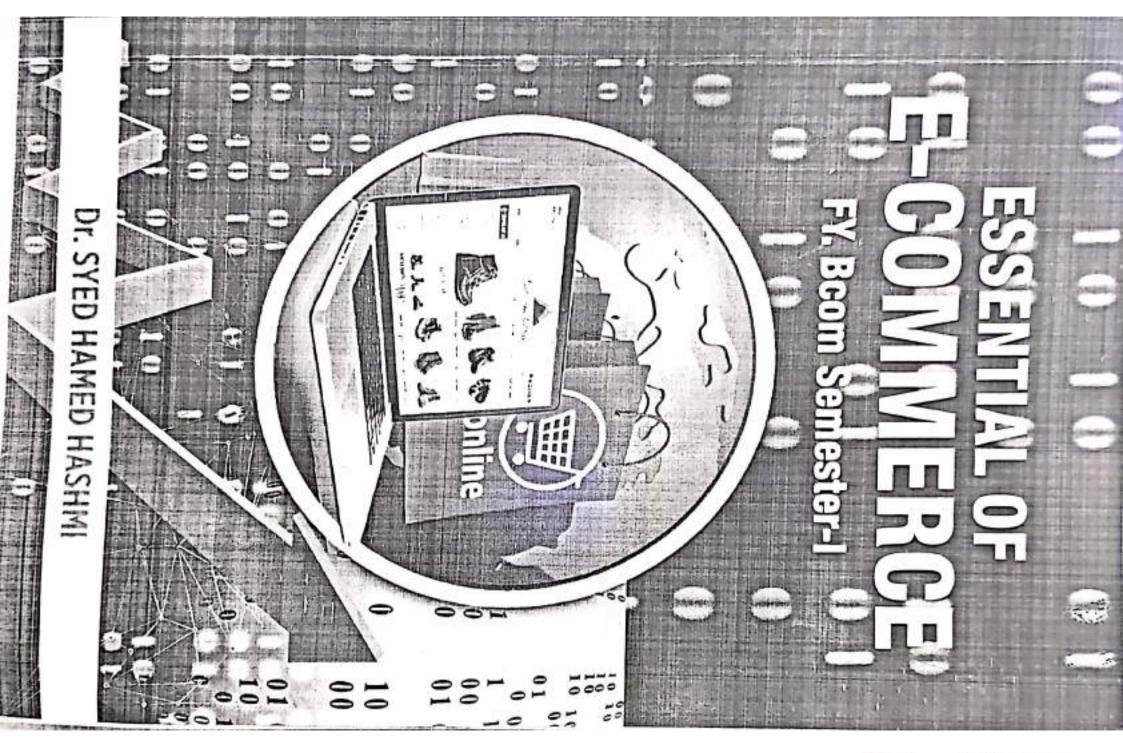


Dr. SYED HAMED HASHMI



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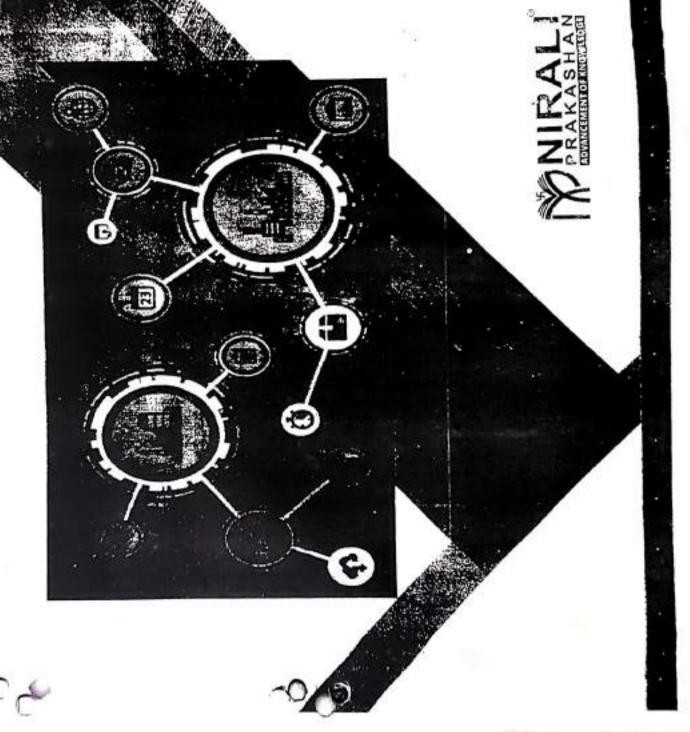
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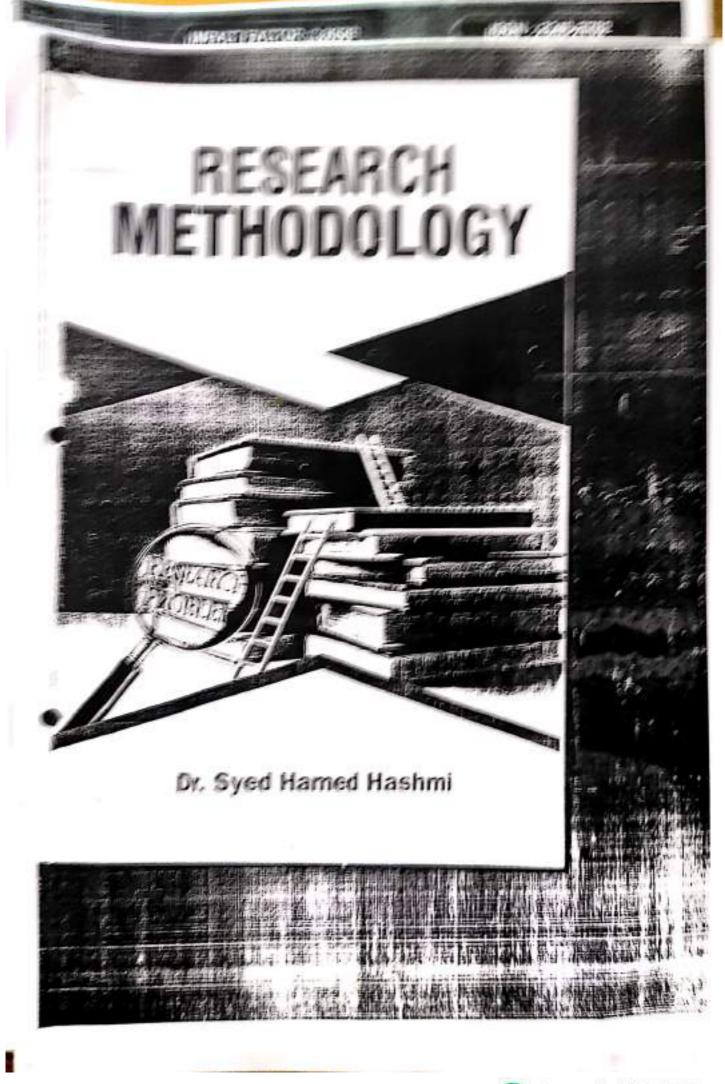
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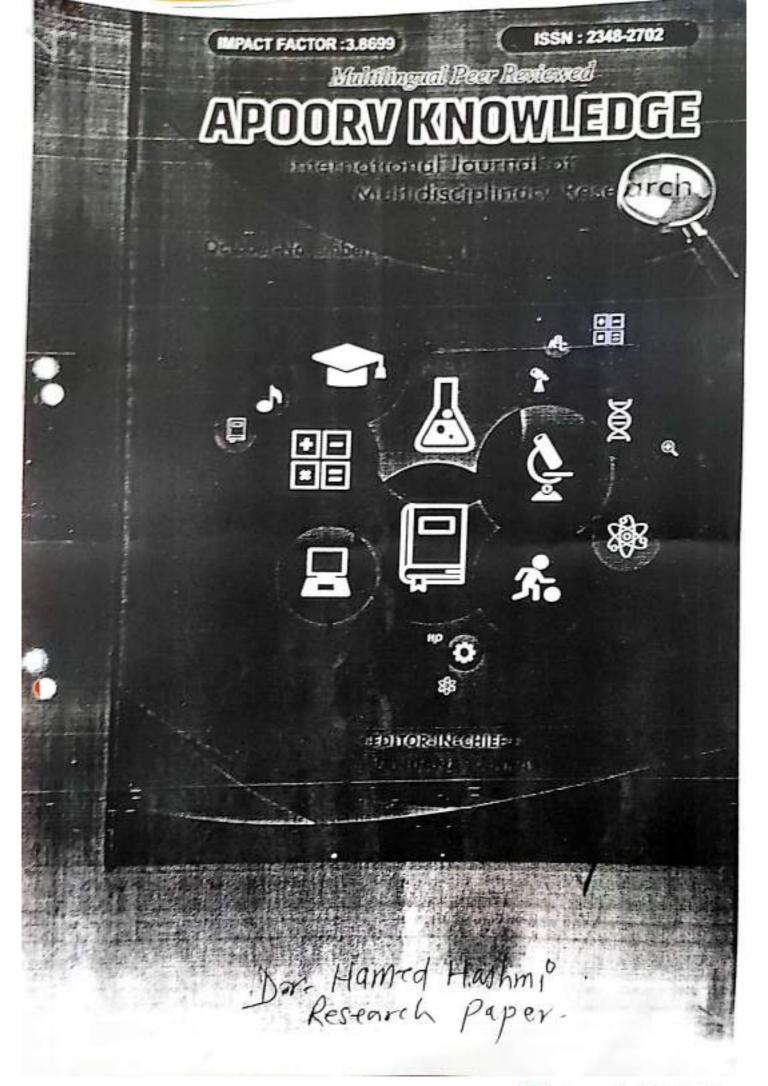
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A few research examines are embraced and achieved a seemingly endless amount of time. In any case, as a rule next to no consideration is paid to a critical measurement identifying with explore, specifically that of research technique. The outcome is that quite a bit of research, especially in sociologies, contains unending word-turning and excessively numerous citations. The need, in this manner, is for those worried about research to give careful consideration to outlining and clinging to the suitable procedure all through for enhancing the nature of research. The system may contrast from issue to issue, yet the essential approach towards investigate continues as before. Keeping all this view, the present books has been composed with two clear goals 1. To empower analysts in building up the most fitting approach for their exploration studies and 2. To make them comfortable with the specialty of utilizing distinctive research strategies and systems. The book comprises of thirteen parts, very much orchestrated in a rational way. All parts said about its applicable idea, data, systems or theoretical viewpoints and conditions under different procedures and undertaking of elucidation and composing research report. The books are principally expected to filt in as a reading material for graduate and understudies of research in all orders of different courses. It is trusted that the book will give rules to all keen on examine investigations of the one sort or other.







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Challenges of Globalization Indicative of India's Agricultural Sector



 Assistant Professor, Department of Commerce, Poona College of Arts, Science & Commerce College, Camp, Pune.

Any activity that is involved in the cultivation of agricultural or horticultural crops under controlled conditions, such as in greenhouses or similar structures, is referred to as being part of the "agro-based industry." This term also refers to any and all postharvest operations of such crops, from the farm to the market, including cleaning, grading, packaging, storage, transportation, and marketing of the crops. It will also include the processing of agricultural, horticultural, forestry, and seafood products, such as fruits and vegetables, flowers, aromatic and medicinal plants, and herbs, and their residues, as well as seeds and other products that are available in the state. This will include the processing of fruits and vegetables, flowers, aromatic and medicinal plants, and herbs, and their residues. the process of growing Additionally, mushrooms indoors as well as the keeping of bees will be broken down in great detail. This exemplifies the extremely far-reaching nature of the agricultural sector of the economy. According to the Annual Survey of Industries (ASI 1), the sector of the economy that is concerned with farming and the goods that come from it is classified as falling under Division A. The subindustries of agriculture, forestry, and fishing are included in Division A's scope of operations.

It is part of the First Major Group when viewed through these lenses, as the classifications indicate.

Things you can get through farming, horticulture, and market gardening make up the first important group.

Agriculture-related businesses are playing an increasingly important role in the formulation of economic strategy and the expansion of the economy as a whole at the national level. Andhra Pradesh, a state in India, had 10,183 agro-based industry units during the fiscal year 2002-2003, whereas Meghalaya, a state in the same country, only had 3 units. Andhra Pradesh, which is a state, finished in first place. 2 However, agricultural enterprises in each state are quite distinct from one another in a number of ways. Aside from potatoes, there are not nearly enough cold storage plants for other perishable items, and the capacity of the units that are already in operation is not being utilised to its full potential. Potatoes are an exception to this rule.

Objectives of the Study:

- To evaluate the Agro-Based Industry in India
- To analyze the Prospects of the Indian Agro-Based Industry in a Globalized Environment

Methodology

The study is based on secondary data obtained from journals, publications, papers, and a variety of national and international reports. The statistical information for this study is derived from various issues of economic surveys, reports of the Department of Agriculture and Ministry of Food Processing Industries, India, and FAO, reports from industry sources, and various websites related to agriculture and agro-based industry, among others. Officers from Pepcico Company and Suguna

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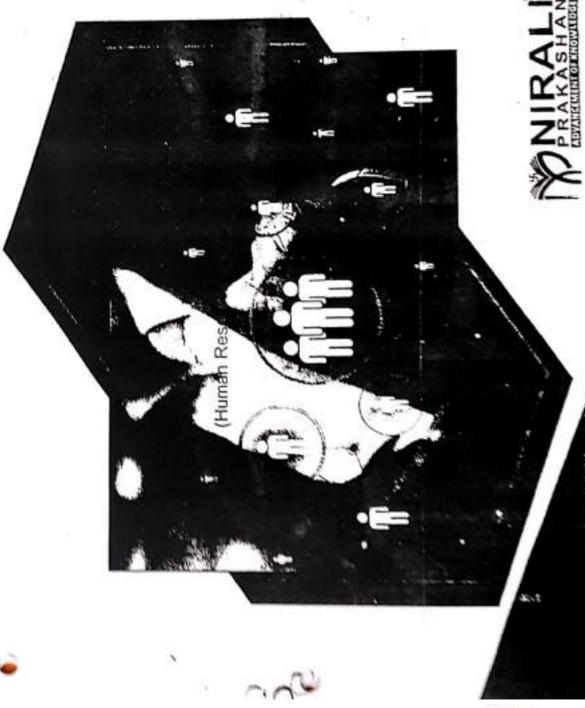


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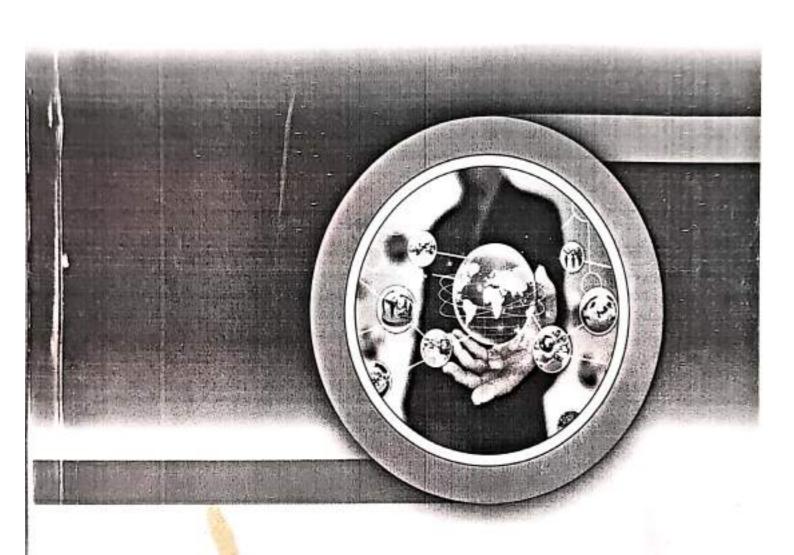
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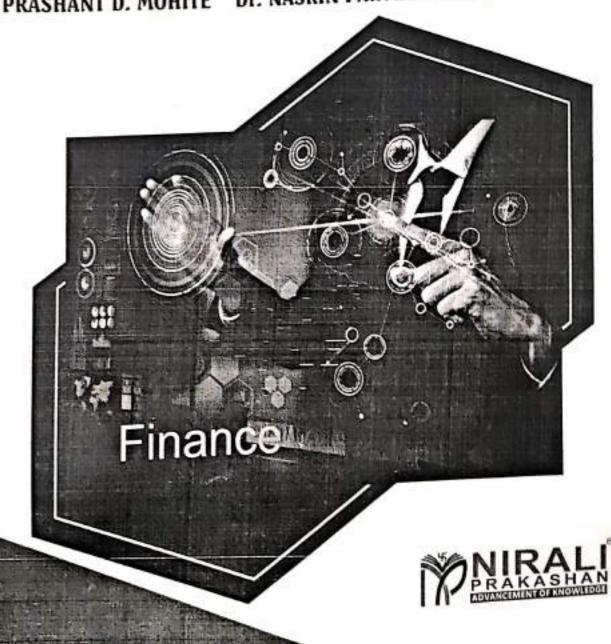
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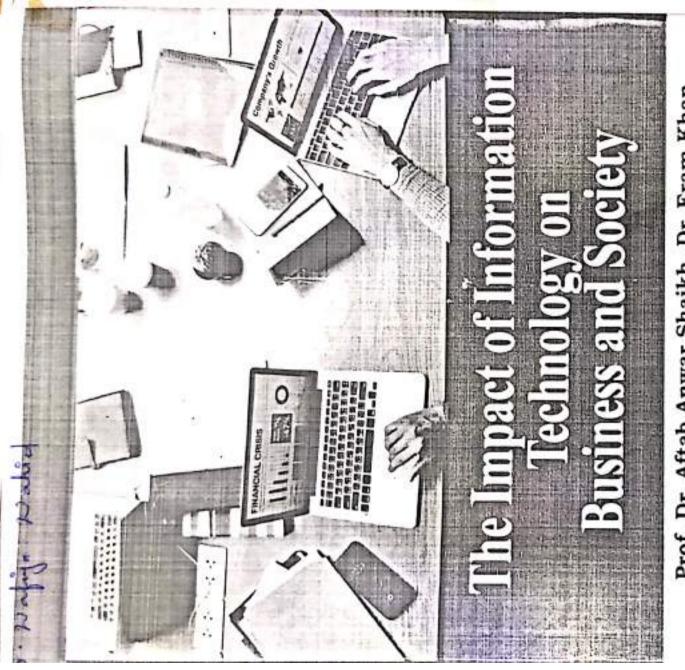
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Dr. Wafiya Wahid Wadasadawala

ABSTRACT

business costs and improve the efficiency and effectiveness of all people, the technologies have also generated huge quantities of Information technology has transformed the social and business environment. Technology often deals with methods or tools that gather, manipulate, store and communicate information. Many businesses have implemented technology designed for private use to save production methods. Companies also use technology to open several and production of IT related products and services consume large quantities of natural resources and generate enormous amounts of includes new or advanced hardware or software. The information technology industry has played a critical role in enabling economic the last 50 years. While the contributions of IT have benefited electronic waste, and consumed significant energy. The manufacturing domestic or international business locations. Emerging technology development and advancing living standards throughout the world for pollutants within the environment.

KEYWORDS

Information Technology, Social Environment, Business Environment, E-Waste.

INTRODUCTION

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Small businesses use an array of tech - everything from servers to Technology has revolutionized the way companies conduct business by enabling small businesses to level with large businesses.

5 Digital Marketing Management in Education

Dr. Nasrin Khan

ABSTRACT

The rate of media consumption has increased in India. According to statistics there were 460 million internet users in 2018, which has reached to 658 million users by 2022. With this India bags the second spot after China, in terms of largest online market. If we further look into the facts out of these 460 million users, 430.3 are active mobile users, 250 active social media users and 230 active mobile social media users. These fact helps us in understanding the increased role of digital formats used for promotion purposes and creating and maintaining customers and relationships. The main purpose of this study was to understand these new trends of digital marketing in education industry and how they are proving beneficial for communicating, attracting, acquiring, and maintaining customers effectively and efficiently. This is also bringing in a new change in the perception levels of the customers regarding the educational institutions.

INTRODUCTION: Digitization and great data packages, and good connectivity has led to drastic changes in terms of internet users in 2018 as compared to data of 2013. As already seen above the increased no of internet users in India surging to 460 million, out of which 250 and 230 active social and mobile social media users, it seems digital marketing is going to get more importance in the coming years. Let's, look at the definitions of Digital marketing management and its effective usage in the education industry by colleges and schools for attracting and maintaining customers.

So, when we talk of 'Digital' acc. to a definition it means storing. information i.e., text or image in form of 0 and 1 which when required is transferred into digital signals, converted by the machine into human readable form.

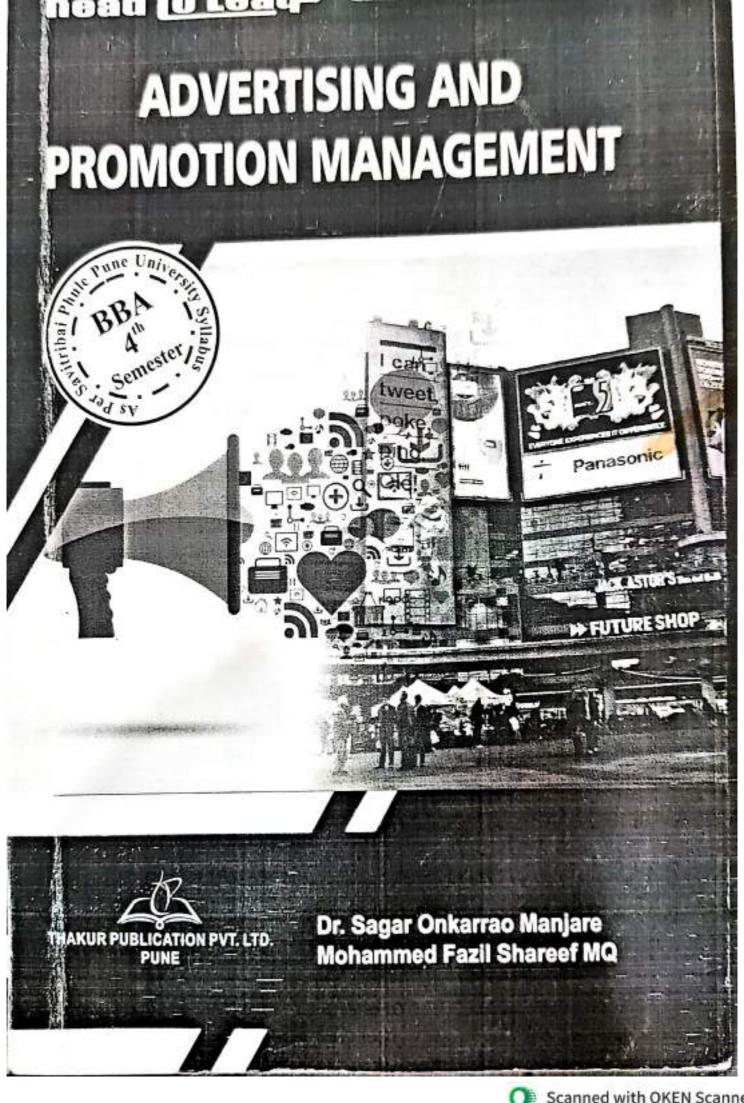
On the other hand, 'Marketing Management' means "Marketing management is 'the art and science of choosing target markets and getting, keeping, and growing customers through creating, delivering, and communicating superior customer value' (Kotler and Keller, 2008; 5)."

In simple words Marketing Management is identifying the requirement of the Customers, verifying it and confirming the same as actual demand of the product or service, converting it into a profitable business venture or service, and communicating back to the target customers effectively and efficiently for profits, through different marketing tools and functions of Marketing.

So 'Digital marketing is the marketing of products or services using digital technologies, mainly on the Internet, but also including mobile phones, display advertising, and any other digital medium'

With the development of digital marketing the business or brands have started incorporating new marketing plans with more emphasis on digital platforms for increased conversions and profits. From the customers point of view, the percentage of them using digital devices for information instead of visiting physical shops has also increased.

Digital marketing methods or digital tools for marketing like search engine optimization (SEO), search engine marketing (SEM), content marketing, influencer marketing, content automation, campaign marketing, data-driven marketing, e-commerce marketing, social media marketing, social media optimization, e-mail direct marketing, display advertising, e-books, and optical disks and games are becoming more common in our advancing technology. In fact, digital marketing is also extending its boundaries to non-Internet channels that providing digital media, such as mobile phones (SMS and MMS), call back, and on-hold mobile ring tones. In other words, this extra extension to non-Internet channels is helping organisations to differentiate digital marketing from traditional marketing,



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