

**CUSTOMER PERCEPTION TOWARDS TWO
WHEELER LOANS
(WITH REFERENCE TO ICICI BANK, MEDAK)**

STUDENT STUDY PROJECT

**Under the Supervision
of
Mr. B.CHANDRASHEKAR,
Lecturer in Commerce**

Project work done by:

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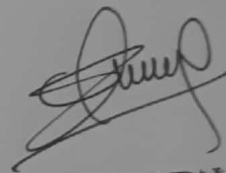
**Department of Commerce
Govt. Degree College, Medak
2020-21**

CERTIFICATE

This is to certify that the student-study project titled "Customer Perception towards two wheeler loans (with reference to ICICI Bank, Medak)" is an original research work carried out by B.Com (Computers) Second and Final year Students under my supervision. To the best of my knowledge and believe the contents of the project have not been submitted elsewhere.



B. CHANDRA SHEKAR
(PROJECT SUPERVISOR)



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DECLARATION

We do hereby declare that the present study project titled “Customer Perception towards two wheeler loans (with reference to ICICI Bank, Medak)” submitted as student study project is an outcome of the original work carried out by us under the supervision of **B. CHANDRA SHEKAR, Lecturer in Commerce**. We also declare that this student study project has not been submitted elsewhere.

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ACKNOWLEDGEMENT

Working on this study project has been a challenging experience for all of us we have been supported by number of people in this endeavor. Without their cooperation it would have been difficult for us to bring this project to a logical conclusion.

We wish to express our deep sense of gratitude to our project supervisor Mr. **B. CHANDRA SHEKAR, Lecturer in Commerce, Dept. of Commerce. GDC, Medak.** We also gratefully acknowledged the encouragement advises and significant comments received from senior and experienced faculty in the Dept. of Commerce. GDC, Medak, Particularly **1. C. Chandra Shekar Sir, 2. A. Jayanthi Madam, 3. U. Naveen Kumar Sir.** We thank them for their support and encouragement. We thank all the respondents who took the initiative, gave time to provide the requisite responses and feedback for the questionnaire administered. We express our sincere thanks to our **Principal Dr. P.V. Narasimham and vice. Principal. Mr. A. Simha Reddy,** for giving extremely useful perspectives of research in spite of their busy schedule. We sincerely acknowledge the co-operation by our classmates and office subordinate Mrs. **Bhagyamma.**

Introduction:

The Indian consumer is fast changing his habits, borrowing money to buy the products he wants, not content with buying what he can afford. The resultant consumer boom is what market strategists explain as the key to the success of the Indian consumer finance market.

Consumer finance today is a win-win system in which everyone stands to gain. For the Indian consumer, it is an opportunity to upgrade his standard of living right now instead of waiting for years for his savings to accumulate. For manufacturers, it stimulates demand and lowers inventory. For middlemen, it's a sales boosting device. For players of consumer finance, it's a means of profit generation.

The buy-now-pay-later culture is still fairly nascent in India, evolving through various forms like consumer lending, consumer credit, consumer loans, friendly and family borrowings, kitties, daily payment schemes etc.

The basic underpinning of consumer financing is that the consumers' present spending habits tend to be geared to expectations of future income. They are losing their fear of borrowing, riding surfboards of consumer finance.

What is perception?

Perception can be described as “ how we see the world around us” Two individuals may be subject same stimuli under the same apparent conditions, but how each person, select them, organizes them and interprets them is a highly individual process based on each person’s own needs, values, and expectations . The influence that each of these variables has on the perceptual process and its relevance to marketing, will be explored in same detail. First, however, we will examine some of basic concepts that underlie the perception process. These will be discussed within the framework of consumer behavior.

Perception:

Perception is defined as the process by which an individual selects, organizes, and interprets stimuli in to a meaningful and coherent picture of the world. A stimulus is any unit of input to any of the senses. Examples of stimuli (i.e., sensory input) include products, packages, brand names, advertisements, and commercials. Sensory receptors are the human organs (i.e., the eyes, ears, nose, mouth, and skin) that receive sensory inputs. Their sensory functions are to see, hear, smell, taste, and feel. All of these functions are called into play single or in combination in the evaluation and use of most consumer products.

The study of perception is largely the study of what we subconsciously add to or subtract from raw sensory inputs to produce our own private picture of the world.

In the world there is a heavy competition in the market. All the companies in the market are showing their interest on the customer. So that the once maxim 'customer is god' has become true.

But with regard to ICICI bank car loans process dealer is considered as one of the key person who is part of the success of the business. It is the responsibility of the company to see the customers are satisfied with company's products & services.

If one customer is dissatisfied with the products or services that will effect the market and company. Must understand the expressed & unexpressed expectations & needs of the customer & deliver superior performance on each of the tangible and intangible elements of the products and services.

Importance of the study:

Today the vehicle loan has got the importance because many people are taking the vehicle loans to buy the two-wheeler vehicles. So many private and public banks have come forward to provide vehicle loans to the public. Now the public and private sector banks are needed to come forward with different types of excellent schemes to the public and they have to improve their market share in the vehicle loan segment.

ICICI Bank is playing major role in the segment of vehicle loans and people are going for ICICI Bank rather than public sector banks because of its simplicity.

Objectives of the Study:

1. To evaluate the consumer preferences to prefer the two-wheeler loan.
2. To identify the factors reasonable for the consumer preferences.
3. To suggest method to the products for more loans.

Scope of study:

In this survey we covered only some areas like BAJAJ, HERO and HONDA showrooms, etc, in Medak Town. The sample size is only 50 and The ICICI Bank is giving the vehicle loans under different schemes to the public.

Period of study:

The study has been prepared on the data collected from the primary sources i.e. questionnaire, for the period from September & October-2019.

Methodology of study:

The data to study the perception of the consumers of ICICI Bank with regards to the vehicle loan take by them has been collected using questionnaire.

Primary Data: The primary data is collected through questionnaire distributed and collected from 50 respondents in Medak Town. The sample selection data collected from various two wheeler showrooms. The data is processed by using statistical tools like percentages, pie chart etc.

Secondary Data:

The secondary data is gathered from books, journals, and internet etc.

Limitations of the study:

1. The sample size is only 50. So the survey report may not represent the opinion of the remaining consumers.
2. We covered only show rooms, so the survey report may not represent the other areas.
3. The Opinion of consumers but not the buyers has been taken.

ICICI Bank Profile

ICICI Bank is India's second-largest bank. The Bank has a network of about 4882 branches and extension counters and 15101 ATMs. ICICI Bank was originally promoted in 1994 by ICICI Limited, an Indian financial institution, and was its wholly-owned subsidiary.

ICICI was formed in 1955 at the initiative of the World Bank, the Government of India and representatives of Indian industry. The objective was to create a development financial institution for providing medium-term and long-term project financing to Indian businesses.

In the 1990s, ICICI transformed its business from a development financial institution offering only project finance to a diversified financial services group offering a wide variety of products and services, both directly and through a number of subsidiaries and affiliates like ICICI Bank.

In 1999, ICICI became the first Indian company and the first bank or financial institution from non-Japan Asia to be listed on the NYSE. In 2001, ICICI bank acquired Bank of Madura Limited.

ICICI Bank set up its international banking group in fiscal 2002 to cater to the cross border needs of clients and leverage on its domestic banking strengths to offer products internationally. ICICI Bank currently has subsidiaries in the United Kingdom, Canada and Russia, branches in Singapore and Bahrain and representative offices in the United States, China, United Arab Emirates, Bangladesh and South Africa.

Today, ICICI Bank offers a wide range of banking products and financial services to corporate and retail customers through a variety of delivery channels and through its specialized subsidiaries and affiliates in the areas of investment banking, life and non-life insurance, venture capital and asset management.

What is an Auto Loan?

An auto loan is a loan, which is associated with the buying of a vehicle, which can be mopeds and two-wheeler. Auto loans now-a-days have become a necessity in everyone's life, as it is a basic requirement of today's life.

Loans in India

One of the reasons for boom in Indian economy is that now-a-days loans are easily available and the rate of interests at which they are available are very reasonable. Banks are giving loan for and loan against any and every thing. Government too is encouraging people to take loans for certain purposes. For example, government is encouraging people to take housing loans by giving tax concessions.

In view of the deluge of loans that are available in the market today, we have come up with useful information about variety of loans that are available in India. These include:

- Home Loans India
- Auto Loans India
- Business Loans India
- Education Loans India
- Marriage Loans India
- Personal Loans India
- Loans against home
- Loans against auto
- Loans against shares

Two Wheeler Loans

Leading banks in the public and private sector are providing two wheeler loans, right from mopeds to motorbikes. These loans are available at attractive rates and best prices to attract new customers. Quite a few banks are offering online loan application for the ease of prospective clients. Private sector banks are ahead of their public sector counterparts in terms of efficiency of application and processing of loans. On the spot loan offers are given by various banks and other flexible schemes to suit the needs and pockets of customers.

Maximum Loan offered by Banks for Two Wheeler Loans

Loans are provided by banks from as low as Rs. 30000 to Rs. 150000. These loans can be paid in easy installments. The installment period can range anywhere from six months to three years, depending on the finance option chosen by the customer. In case of new vehicles, banks generally finance up to a maximum of 100% of the cost of the vehicle.

In case of old second hand vehicles, banks finance up to a maximum of 85% of the value of the vehicle. Repayment is done by Equated Monthly Installments or EMI.

Interest Charged by Bank on Two Wheeler Loans

Although Public sector banks are offering lower interest rate than their private counterparts but they are lagging behind due to poor quality of service. Interest rates depend on the two wheeler model, loan tenure. Interest is generally calculated on a monthly reducing balance.

Process of Two Wheeler Loans Application

Customers can contact the bank representative and apply for an auto loans. They can also fill online forms. There is no processing fee for new cars in most banks/finance companies. However, some companies do charge a minimum processing fee for used two wheelers.

Documents Required for Two Wheeler Loans

1. Application Form
2. Photographs
3. Proof of income of last two years
4. Proof of Residence
5. In case of public/Private companies, certifies copy of MOA and AOA.

Amount of your Two Wheeler Loan

ICICI Bank Two Wheeler Loans offers a finance facility up to 100% of the On Road Cost of the vehicle, repayable in convenient repayment options and comfortable tenures from 6 months to 36 months. So, hasn't a two wheeler loan become really easy with ICICI Bank?

Catch the best deals for any two wheeler manufactured by Hero, Bajaj, TVS, Honda Motors & Scooters, Yamaha, Enfield, LML and Suzuki Motors

In addition to flexible & attractive finance options, we also offer you competitive interest rates with easy documentation & speedy process.

With presence at over 1035 locations throughout the country, we are never 'too far'...

Apply under any Loan Scheme from Rs.30000/- onwards to Rs.150000/- and pay in easy installments over a period of 6 to 36 months.

Repayment facility of loans is available through

- Post dated Cheques **presented on 5th & 10th of each month depending on the disbursement date.**
- Auto Debit Mandate - **for ICICI Bank Account holders only**
- Electronic Clearing System (ECS) – **for non-ICICI bank account holders**

So haven't two wheeler loans become really easy with ICICI Bank?

We fund motor bikes, mopeds; scooters and scooterettes. We are the preferred financiers with **Hero, Bajaj, TVS, Honda Motors & Scooters, Yamaha, Enfield, LML and Suzuki Motors.**

We are present in over 1035 locations in India. Besides flexible & attractive finance options, we offer you with very competitive interest rates, easy documentation and speedy processing.

ICICI Bank Two Wheeler Loans are available to: -

1. Salaried Individuals
2. Self Employed Individuals
3. Pensioners, Housewives & Students
4. Partnership Entities
5. Private Limited Companies
6. Public Limited Companies

Service Charges for ICICI Bank Two Wheeler Loans

Service charges are as follows:

Description of Charges	Two Wheeler Loans
Non-Refundable Loan Processing Fee: Non-Premium/Premium Vehicles	2.5% of Loan amount or Max ₹ 2500/-
Non Refundable Loan Processing Fee: Super Premium Vehicles	1% of Loan amount or Max of ₹ 5000/-
Documentation Charges	Rs 2.25% of Loan amount or Maximum of Rs 1000/-
CIBIL Report Charges	₹ 50
Registration Certificate Collection Charges	₹ 499
Stamp Duty	Actuals
Part Prepayment Option	Part prepayment of the loan is not allowed
Full Prepayment Charges	5% on principal outstanding or interest outstanding for unexpired period of loan (whichever is lower)
Charges for late payment of loans	2% per month on the outstanding installment
Swap Charges	₹ 500 per transaction
Bounce Charges	₹ 400 per transaction
Amortisation Schedule Charges	₹ 500 per schedule
Statement of Account Charges	₹ 200 per statement
Prepayment Statement Charges	₹ 200 per statement

Duplicate No Objection Certificate (NOC)/No Due Certificate (NDC) Charges	₹ 500 per NOC/NDC
Revalidation of NOC Charges	₹ 500 per NOC
Loan Cancellation Charges	₹ 3,000 per loan
Miscellaneous charges	At actual

Note:

1. Service Tax (ST), Other Government taxes, Levies, etc., will be applicable as per prevailing rates in addition to the above mentioned charges.
2. The charges or fees given in above table are subject to change and the one recorded in agreement will be binding over the site.
3. Interest Reset clause: Not Applicable.
4. The above mentioned charges would be applicable for existing customers from March 31, 2016.
5. Stamp duty charges shall be extra as applicable
6. Additional documentation charges of Rs.350/- applicable
7. ICICI Bank reserves the right to revise the rate of interest and processing fee from time to time, at its sole discretion

Application Process of your Two Wheeler Loan

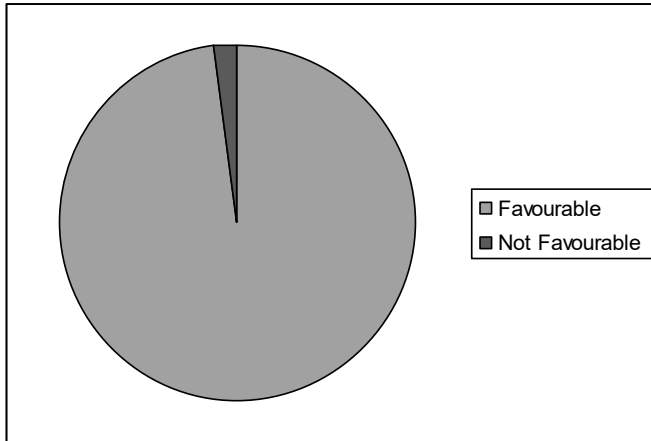
ICICI Bank, being the No. 1 financier for two wheelers in India, ensures that the application process is extremely easy for our customers. ICICI Bank Two Wheeler Loans offers a finance facility up to 90% of the On Road Cost of the vehicle, repayable in convenient repayment options and comfortable tenures from 6 months to 36 months. You can use the following ways to apply for an ICICI Bank Two Wheeler Loans :

- **Apply Online**
- **SMS us – SMS your <name>, <location> to 5676766**
- **Call us through the ICICI Bank Customer Care Number at toll free number - 1800 2666**
- **Contact our representative at the local dealer**
- **Or walk into any of our branches and contact our representatives.**

CHAPTER-III

Table no: 1**Customer perception on vehicle loans:-**

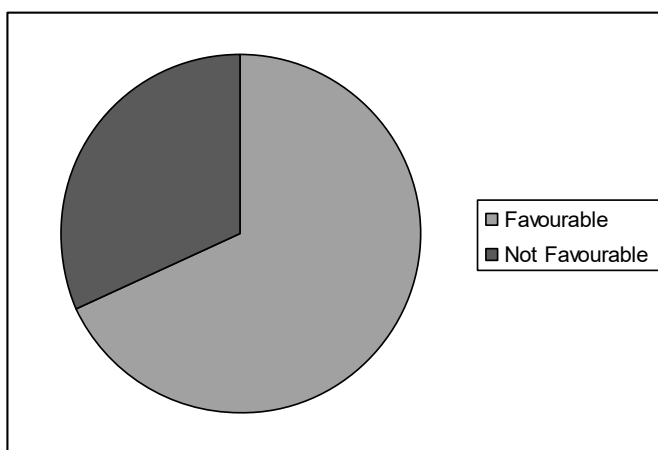
Favourable	Not Favourable
98%	2%

**Interpretation:**

Consumer's opinion is 98% favorable towards ICICI bank loan when compares to other banks. ICICI bank loans are very attractive and 2% said no and they had no idea about banks loan offers.

Table: 2**No. of consumers who took loan from ICICI**

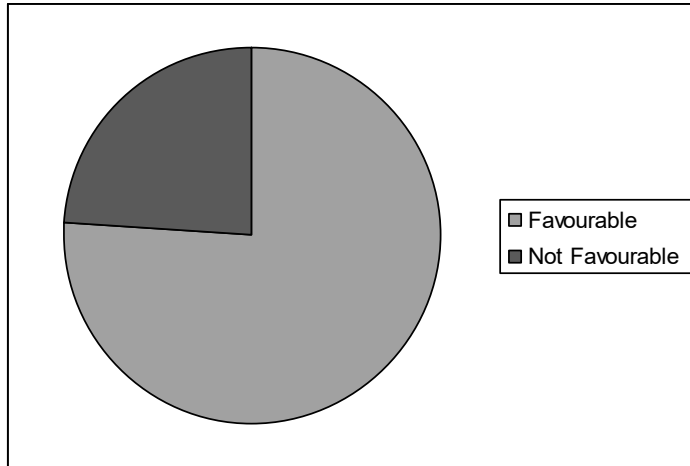
Favourable	Not Favourable
68%	32%

**Interpretation:**

Consumers responded 68% yes and the majority of people had taken the vehicle loan from ICICI bank. 32% said no and they had taken loans from different banks like HDFC, SBI, etc.

Table No: 3**Processing formalities and documents required for sanctioning loan**

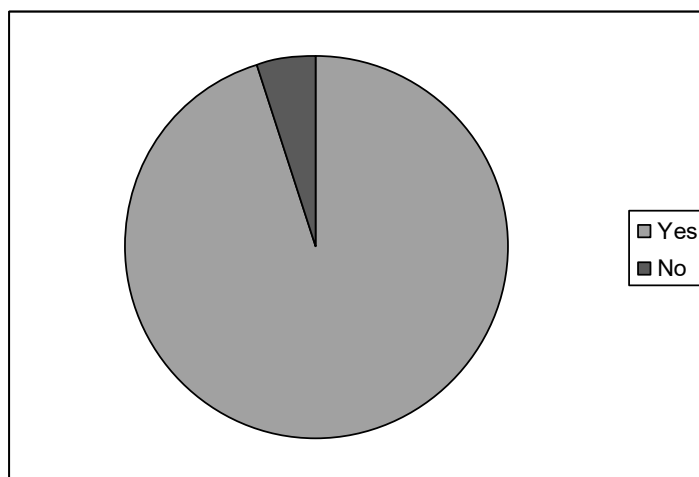
Favourable	Not Favourable
76%	24%

**Interpretation:**

Consumers opinion 76% yes and they responded that the process of loans in ICICI bank is easy when compared to other banks and 24% responded no. Because there more number of conditions prevailing in the loan process.

Table no: 4**Loan processing time:**

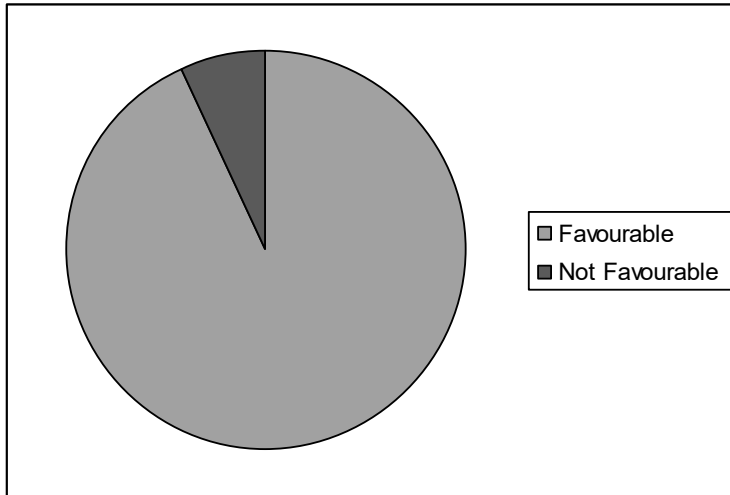
Yes	No
95%	5%

**Interpretation:**

95% of Consumers' perception on the ICICI Bank loan processing is fast compared to public banks and they are giving the loans within two hours. Respondents said 5% no because there are number of charges and interest rate is high than public banks.

Table no: 5
Need for Insurance:

No. of Yes	No. of No
93%	7%

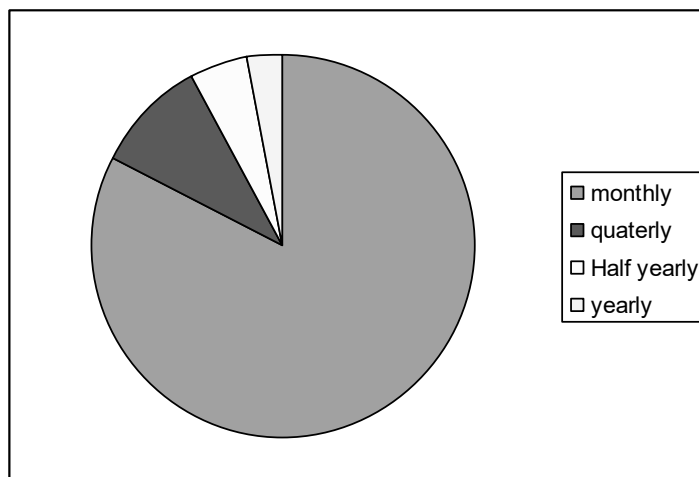


Interpretation:

Consumers' opinion they responded 93% yes and they insurance is must for vehicles to protect from accident and 7% of responders said no, there is no need insurance for vehicles.

Table no: 6
Payment period:

Monthly	Quarterly	Half yearly	yearly
85%	10%	5%	3%

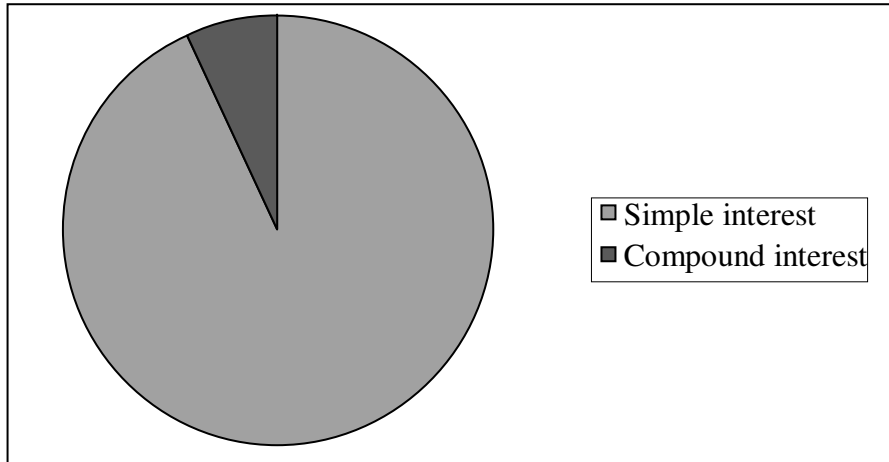


Interpretation:

85% of consumers are going for monthly payment, while 10%, 5% and 3% of the consumers prefer quarterly, half-yearly and yearly payments respectively.

Table no: 7
Interest rate:

Simple interest	Compound interest
94%	6%

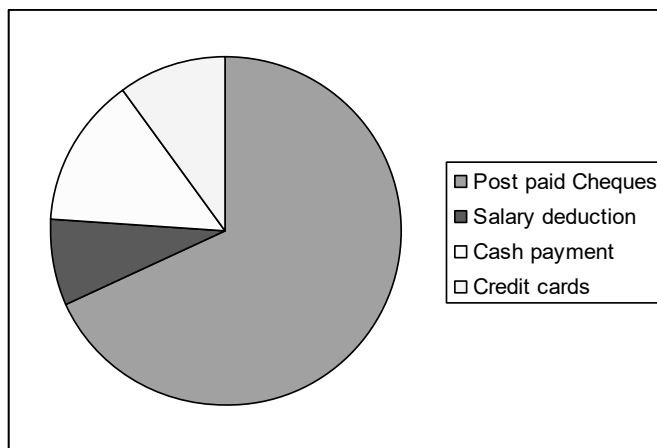


Interpretation:

94% of consumers prefer simple interest and Public sector banks are offering lower interest rate than their private counterparts but they are lagging behind due to poor quality of service. Interest rates depend on the two wheeler model, loan tenure. Interest is generally calculated on a monthly reducing balance. 6% responders are preferring compound interest.

Table no: 8
Mode of payment:

Post paid Cheques	Salary deduction	Cash payment	Credit cards
68%	8%	14%	10%

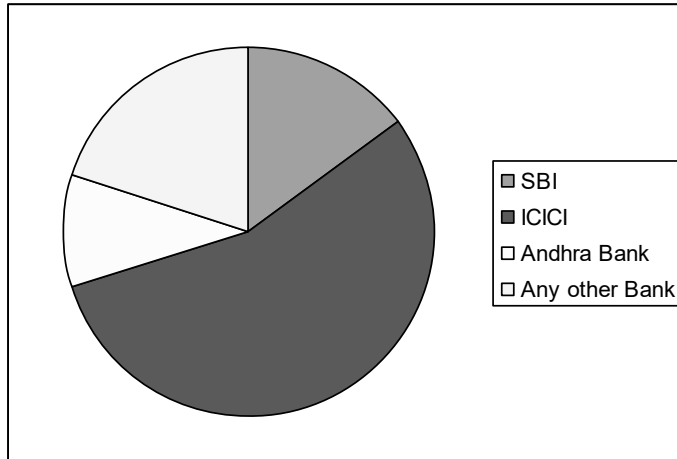


Interpretation:

In the consumers' opinion they responded 68% for post paid Cheques but they presented it on 5th & 10th of each month depending on the disbursement date, 8% respond preferred salary deduction, 14% respondents preferred cash payment, and 10% respondents preferred credit cards.

Table no: 9**Service quality:**

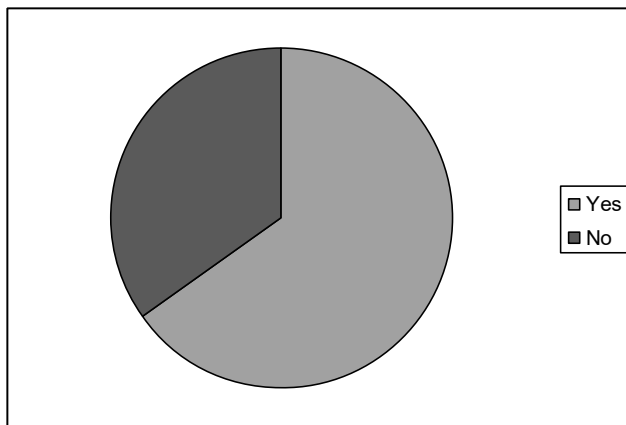
SBI	ICICI	Andhra Bank	Any other Bank
15%	55%	10%	20%

**Interpretation:**

In the consumers opinion they responded positively 15% for SBI because it is public bank and it is very safe, 55% responds prefer ICICI because it is India's second-largest bank and its services are faster compared to other banks, 10% responders preferred Andhra Bank and 20% respond preferred other banks.

Table no: 10**Customer perception on their liking to take vehicle loan in future from ICICI:**

Yes	No
65%	35%

**Interpretation:**

Consumers responded in 65% yes because ICICI is offering no. of variety of loans to them that's why they prefer ICICI and 35% of responded No, because they are not interested to take loan from ICICI.

CHAPTER-IV

Findings

1. Most of the consumers are aware of vehicle loans provided by ICICI bank.
2. Most of the consumers taking two wheeler loans from ICICI bank
3. Most of the consumers are aware of the need of insurance for vehicles'
4. Since the ICICI bank not forcing to the consumer to produce more documents and the terms & conditions are favourable to the consumers.
5. No hassles regarding the sanction of vehicle loan as the bank sanctioning within two hours.
6. Most of the consumers choosing monthly EMI from 6 to 36 months.
7. ICICI bank providing less interest rate than other public sector banks.
8. Providing safety and security measurements for the customers than other banks.

Suggestion:

1. To make banking facilities more efficient and comfortable by making loans more flexible
2. The loan processing needs to be more transparent that is banks & financial institutions should be clear about documents, eligibility criteria, so that customer prepare themselves.
3. The loan approval process has to be organized less documentation should called for in the system.
4. The loan closing period for repayment and loan pre closing should give the better choice to the customers.
5. The interests for two wheeler loans can reduce by better financial management by institutions.
6. All in all there is huge gap between expectations and performance in the area of customer services. There is argent used to revamp the system in this regard.

Conclusion:

ICICI bank provides good customer service.

ICICI bank providing different kinds of EMI facilities to the customers

Taking all these parameters into the consideration the respondents expressed their willingness to take loan from ICICI bank

Customer perception on two wheeler loans With refer to ICICI Bank**Questionnaire**

Name : Age :

Gender : Male / Female Occupation :

1. Do you know the bank offers the vehicle loans?

 Yes No

2. If yes have you taken any vehicle loan?

 Yes No

3. Are you satisfied with stages involved and the documents required in availing loan in ICICI bank?

 Yes No

4. Do you think that ICICI loan processing is fast compare to public banks?

 Yes No

5. Do you think the insurance for vehicle is necessary?

 Yes No

6. According to you what should be the payment period?

 Monthly Quarterly Half yearly yearly

7. What should be interest rate method would you prefer?

 Simple Interest Compound Interest

8. According to you what should be the mode of payment?

 Post dated cheque salary deduction cash payment credit cards

9. According to you which bank provides best services?

 SBI ICICI Andhra Bank Any Other Bank

10. Would you like to take vehicle loan in future from ICICI?

 Yes No

Yes (why):

No (why):



Data collected from Hero Showroom, Medak



Data Collected from Bajaj Showroom, Medak





Data collected from Honda Showroom, Medak



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GOVT. DEGREE COLLEGE MEDAK

CHEMISTRY PROJECT

On

Determination Of The Contents of Cold Drinks




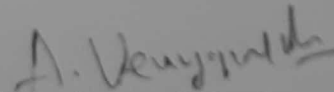
Werner

PROJECT PREPARED BY:

- | | |
|----------------|--------------------|
| 1. G.N.BHAVANI | B.Sc. B.Z.C I YEAR |
| 2. ALEKHYA | B.Sc. B.Z.C I YEAR |
| 3. SAMREEN | B.Sc. B.Z.C I YEAR |
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| 5. K.MADHURI | B.Sc. M.P.C I YEAR |




Signature of the Principal
PRINCIPAL
Govt. Degree College
Mozlak - 502 110, T.S.

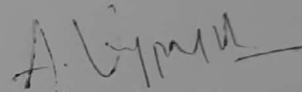

Signature of the Lecturer
(A.VENU GOPAL RAO)

AIM

COMPARITIVE STUDY AND QUALITATIVE
ANALYSIS OF DIFFERENT BRANDS OF
COLD DRINKS AVAILABLE IN MARKET.

CERTIFICATE

This is hereby to certify that, the original and genuine Investigation work has been carried out to investigate about the subject matter and the related data collection and investigation has been completed group, sincerely and satisfactorily by B.Sc. Students, Government Degree College, Medak regarding their project titled "Determination of the Contents of Cold Drinks" .



Teacher's Signature

ACKNOWLEDGEMENT

It would be my utmost pleasure to express my sincere thanks to My Chemistry Teacher **Mr. A. Venugopal Rao** in providing a helping hand in this project. His valuable guidance, support and supervision all through this project titled “**Determination of the Contents of Cold Drinks**”, are responsible for attaining its present form **B.Sc. students.**

PURPOSE

In recent days, soft drink brands were put into various questions regarding their purity. That they contain harmful pesticide, which arouses many interests in knowing its contents because we have been drinking them for years. We wanted to confirm that whether the charge imposed on these brands are true or not. Another fact which inspired me to do this project is that we are in touch with qualitative analysis whose knowledge with other factors helped us to do so.

CONTENTS:

I	Introduction
II	Theory
III	Apparatus
IV	Chemicals Required
V	Detection of pH
VI	Test for Glucose
VII	Test for Phosphate
VIII	Test for Alcohol
IX	Test for Sucrose
X	Result
XI	Conclusion

INTRODUCTION

The era of cold drinks began in 1952 but the industrialization in India marked its beginning with launching of Thump-up and Gold spot by parley group of companies. Since, the beginning of cold drinks was highly profitable and luring, many multinational companies launched their brands in India like Pepsi and Coke. Now days, it is observed in general that majority of people viewed Sprite and Miranda to give feeling of lightness, while Pepsi and Thumps Up to activate pulse and brain.

THEORY

Cold drinks of different brands are composed of Alcohol, carbohydrates, carbon dioxide, phosphate ions etc. These soft drinks give feeling of warmth, lightness and have a tangy taste which is liked by everyone. Carbon dioxide is responsible for the formation of froth on shaking the bottle. The carbon dioxide gas is dissolved in water to form carbonic acid which is also responsible for the tangy taste. Carbohydrates are the naturally occurring organic compounds and are major source of energy to our body. General formula of carbohydrates is $C_x (H_2O)_y$.

On the basis of their molecule size carbohydrates are classified as:- Monosaccharide, Disaccharides and Polysaccharides. Glucose is a monosaccharide with formula $C_6H_{12}O_6$. It occurs in Free State in the ripen grapes in bones and also in many sweet fruits. It is also present in human blood to the extent of about 0.1%. Sucrose is one of the most useful disaccharides in our daily life. It is widely distributed in nature in juices, seeds and also in flowers of many plants. The main source of sucrose is sugar cane juice which contain 15-20 % sucrose and sugar beet which has about 10-17 %sucrose. The molecular formula of sucrose is $C_{12}H_{22}O_{11}$. It is produced by a mixture of glucose and fructose. It is non-reducing in nature whereas glucose is reducing. Cold drinks are a bit acidic in nature and their acidity can be measured by finding their PH value. The pH values also depend upon the acidic contents such as citric acid and phosphoric acid.

APPARATUS

- Test Tube
- Test Tube Holder
- Test Tube Stand
- Stop Watch
- Beaker
- Burner
- pH Paper
- Tripod Stand
- China Dish
- Wire Gauge
- Water Bath

CHEMICALS REQUIRED:

- Iodine Solution
- Potassium Iodine
- Sodium Hydroxide
- Fehling's A & B Solution
- Concentrated HNO_3
- Benedict Solution
- Ammonium Molybdate

DETECTION OF PH

EXPERIMENT

Small samples of cold drinks of different brands were taken in a test tube
Dip the pH paper in cold drink test tube. The change in the colour of pH paper was noticed and was compared with the standard pH scale.

OBSERVATION

S. NO.	NAME OF THE COLD DRINK	COLOUR CHANGE	pH VALUE
1	FANTA	LIGHT ORANGE	3-4
2	LIMCA	RED	3-3.5
3	COCA COLA	PINK	2.5-3
4	SPRITE	RED	3
5	THUMPSUP	PINKISH	4

INFERENCE

Soft drinks are generally acidic because of the presence of citric acid and phosphoric acid. pH values of cold drink of different brands are different due to the variation in amount of acidic contents.

TEST FOR GLUCOSE

EXPERIMENT

Glucose is a reducing sugar acid. Its presence is detected by the following test:-

1. BENEDICTS'S REAGENT TEST:

Small samples of cold drinks of different brands were taken in a test tube and a few drops of Benedict's reagent were added. The test tube was heated for few seconds. Formation of reddish color confirmed the presence of glucose in cold drinks.

OBSERVATON

S. NO	NAME OF THE DRINK	OBSERVATION	CONCLUSION
1	FANTA	REDDISH COLOUR PRECIPITATE	GLUCOSE IS PRESENT
2	LIMCA	REDDISH COLOUR PRECIPITATE	GLUCOSE IS PRESENT
3	COCA COLA	REDDISH COLOUR PRECIPITATE	GLUCOSE IS PRESENT
4	SPRITE	REDDISH COLOUR PRECIPITATE	GLUCOSE IS PRESENT
5	THUMPSUP	REDDISH COLOUR PRECIPITATE	GLUCOSE IS PRESENT

INFERENCE

All the samples gave positive test for glucose with Benedict's reagent. Hence all the drinks contain glucose.

2. FEHLING'S SOLUTION TEST

Small samples of cold drinks of different brands were taken in a test tube and a few drops of Fehling's A solution and Fehling's B solution was added in equal amount. The test tube was heated in a water bath for 10 minutes. Appearance of brown precipitate confirmed the presence of glucose in cold drinks.

OBSERVATION

S. NO.	NAME OF THE DRINK	OBSERVATION	CONCLUSION
1	FANTA	REDDISH BROWN PRECIPITATE	GLUCOSE IS PRESENT
2	LIMCA	REDDISH BROWN PRECIPITATE	GLUCOSE IS PRESENT
3	COCA COLA	REDDISH BROWN PRECIPITATE	GLUCOSE IS PRESENT
4	SPRITE	REDDISH BROWN PRECIPITATE	GLUCOSE IS PRESENT
5	THUMPSUP	REDDISH BROWN PRECIPITATE	GLUCOSE IS PRESENT

INFERENCE

All the samples gave positive test for glucose with Fehling's (A & B) solutions. Hence all the cold drinks contain glucose.

TEST FOR PHOSPHATE

EXPERIMENT

Small samples of each brand of cold drinks were taken in separate test tubes and Ammonium Molybdate followed by concentrated Nitric Acid (HNO₃) was added to it. The solution was heated. Appearance of canary-yellow precipitate confirmed the presence of phosphate ions in cold drinks.

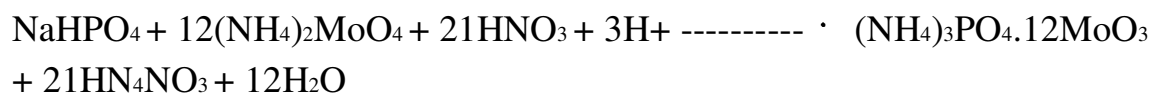
OBSERVATION

S. NO.	NAME OF THE DRINK	OBSERVATION	CONCLUSION
1	FANTA	CANARY-YELLOW	PHOSPHATE IS PRESENT
2	LIMCA	CANARY-YELLOW	PHOSPHATE IS PRESENT
3	COCA COLA	CANARY-YELLOW	PHOSPHATE IS PRESENT
4	SPRITE	CANARY-YELLOW	PHOSPHATE IS PRESENT
5	THUMPSUP	CANARY-YELLOW	PHOSPHATE IS PRESENT

INFERENCE

All the soft drinks samples gave positive test for phosphate ions. Hence all the cold drinks contain phosphate.

CHEMICAL REACTION INVOLVED



TEST FOR ALCOHOL

EXPERIMENT

Small samples of each brand of cold drinks were taken in separate test tubes and Iodine followed by Potassium Iodide and Sodium Hydroxide (NaOH) solution was added to each test tube. Then the test tubes were heated in hot water bath for 30 minutes. Appearance of yellow colored precipitate confirmed the presence of alcohol in cold drinks.

OBSERVATION

S.NO.	NAME OF THE DRINK	OBSERVATION	CONCLUSION
1	FANTA	YELLOW PRECIPITATE	ALCOHOL IS PRESENT
2	LIMCA	YELLOW PRECIPITATE	ALCOHOL IS PRESENT
3	COCA COLA	YELLOW PRECIPITATE	ALCOHOL IS PRESENT
4	SPRITE	YELLOW PRECIPITATE	ALCOHOL IS PRESENT
5	THUMPSUP	YELLOW PRECIPITATE	ALCOHOL IS PRESENT

INFERENCE

All the cold drinks samples gave positive test for alcohol. Hence all the cold drinks contain glucose.

CHEMICAL REACTION INVOLVED



TEST FOR SUCROSE

EXPERIMENT

5 ml samples of each brand of cold drinks were taken in separate china dishes and were heated very strongly until changes occur. Black colored residue left confirmed the presence of sucrose in cold drinks.

OBSERVATION

S. NO.	NAME OF THE DRINK	OBSERVATION	CONCLUSION
1	FANTA	BLACK RESIDUE	SUCROSE IS PRESENT
2	LIMCA	BLACK RESIDUE	SUCROSE IS PRESENT
3	COCA COLA	BLACK RESIDUE	SUCROSE IS PRESENT
4	SPRITE	BLACK RESIDUE	SUCROSE IS PRESENT
5	THUMPSUP	BLACK RESIDUE	SUCROSE IS PRESENT

INFERENCE

All the brands of cold drinks contain sucrose. But amount of sucrose varies in each brand of drink. Fanta contains highest amount of sucrose.

RESULT:

After conducting several tests, it was concluded that the different brands of cold drinks namely:

1. Fanta
2. Limca
3. Coca Cola
4. Sprite
5. Thumps up

All contains glucose, alcohol, sucrose, phosphate and carbon dioxide.

All cold drinks are acidic in nature. On comparing the pH value of different brands Coca Cola is the most acidic and FANTA is least acidic of all the four brands taken.

CONCLUSION:

DIS-ADVANTAGES OF COLD DRINKS

- ✓ Soft drinks are little more harmful than sugar solution. As they contain sugar in large amount which cause problems in diabetes patients.

- ✓ Soft drinks can cause weight gain as they interfere with the body's natural ability to suppress hunger feeling.

- ✓ Soft drinks have ability to dissolve the calcium so they are also harmful for our bones.4. Soft drinks contain "phosphoric acid" which has a pH of 2.8. So they can dissolve a nail in about 4 days.

- ✓ For transportation of soft drinks syrup the commercial truck must use the hazardous matter place cards reserved for highly conceive material.

- ✓ Soft drinks have also ability to remove blood so they are very harmful to our body.

USES OF COLD DRINKS

1. Cold drinks can be used as toilet cleaners.
2. They can remove rust spots from chrome car humpers.
3. They clean corrosion from car battery terminals.
4. Soft drinks are used as an excellent 'detergent' to remove grease from. Clothes.
5. They can loose a rusted bolt.

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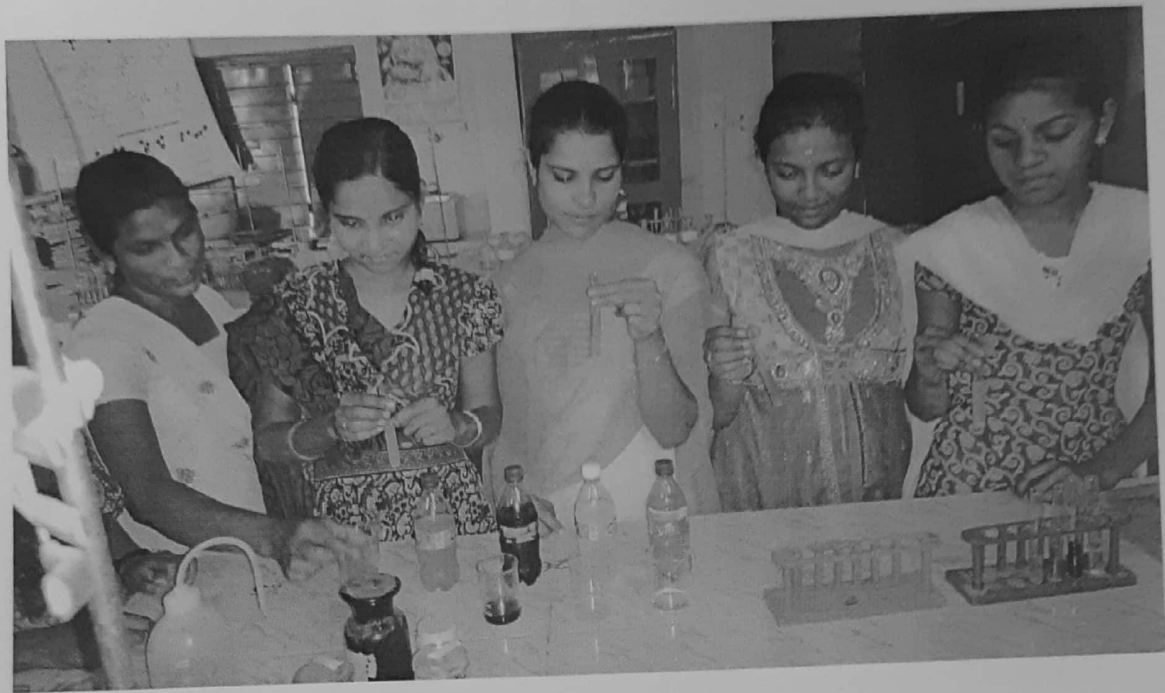
○ *BY- VEENA SURI*

➤ **DINESH COMPANION CHEMISTRY**

○ *BY- S.K. MALHOTRA*

➤ www.google.com





A. Vignesh
(A. VENUGOPALAN)

FIELD PROJECT

TOPIC : ENROLMENT OF STUDENTS IN GOVT SCHOOL

Under the supervision of

Sri. P SRIKANTH

DEPT. OF STATISTICS



Project Work done by:-

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8.Y.PRASHANTH

GOVT. DEGREE COLLEGE, MEDAK

CERTIFICATE

This is to certify that the following student Field project titled "ENROLMENT OF STUDENTS IN GOVT SCHOOL" with reference to Medak M.E.O research work carried out by Govt. Degree College, Medak, B.Sc (MSCs) 3rdyear Students under my supervision.

I.P. Srikanth
1.P SRIKANTH

(PROJECT SUPERVISOR)

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ACKNOWLEDGEMENT

Working on this field project has been a challenging experience for all of us. We wish to express our deep sense of gratitude to our project supervisor Sri. **P SRIKANTH**. Lecturers in Statistics, Dept. of Statistics , GDC, Medak. We also gratefully acknowledge the encouragement, advices and significant comments received from senior and experienced faculty in the Dept. of Statistics. GDC, Medak Particularly **1. .J. Pashupathi Sharma 2. T. Gnaneshwar, 3 K.Gowthami** We thank them for their support and encouragement. We thank all the respondents who took the initiative, gave time to provide the requisite responses and feedback for the questionnaire administered. We express our sincere thanks to our **Principal Dr. P.V. Narasimham Sir**, and **vice-principal. Mr. A. Simha Reddy Sir**, for giving extremely useful perspectives of research in spite of their busy schedule.

INTRODUCTION

The government of TELANGANA is providing free education till X standard along with free uniforms, books, mid day meal and scholarships so that students could get better education. Since independence better education has been given by government of India and literacy rate has also increased. In spite of giving better education and so many facilities, the enrolment in government schools is still decreasing year.

The parents of students are not taking their interest in government schools and they prefer private schools for the education of their children. In view of this, it was thought worthwhile to study the enrolment trends from class I to X and total enrolment over the last 5 years in government schools Medak Town at elementary level. This study will help to know the enrolment status in Medak Town from the last five years and perception of teachers and parents about the declining enrolment in Government schools.

This study will help those people who ensure the importance of government schools. The results of present study will be helpful to give suggestions to teachers and parents to increase enrolment rate in government schools.

OBJECTIVES OF THE STUDY

1. One of the objective of the study is to study the enrolment trend from class I to X and total enrolment over the last 5 years in government school In Medak Town. It was found that the enrolment is declining from the year 2014 to 2020 continuously in case of boys and girls from class I to class X in government schools at elementary level. And it was also found that enrolment is increasing in private schools of Medak from the year 2014 to 2020 continuously in case of boys and girls from class I to class X in private schools at elementary level

2. The second objective of the study find out the reasons for declining enrolment rate of children in government schools at elementary level as perceived by government school teachers. The government school teachers were asked to fill the questionnaire regarding the reasons for declining enrolment rate of children in government schools at elementary level. Majority of teachers teaching in government schools expressed that vacancies of teachers are not filled timely, transfer of teachers during mid-session, working parents admit their child at the age of 3 years in private schools, more age of admission in government schools and nonavailability of fourth class workers and security guards are the reasons for declining rate of enrolment of children in government schools at elementary level

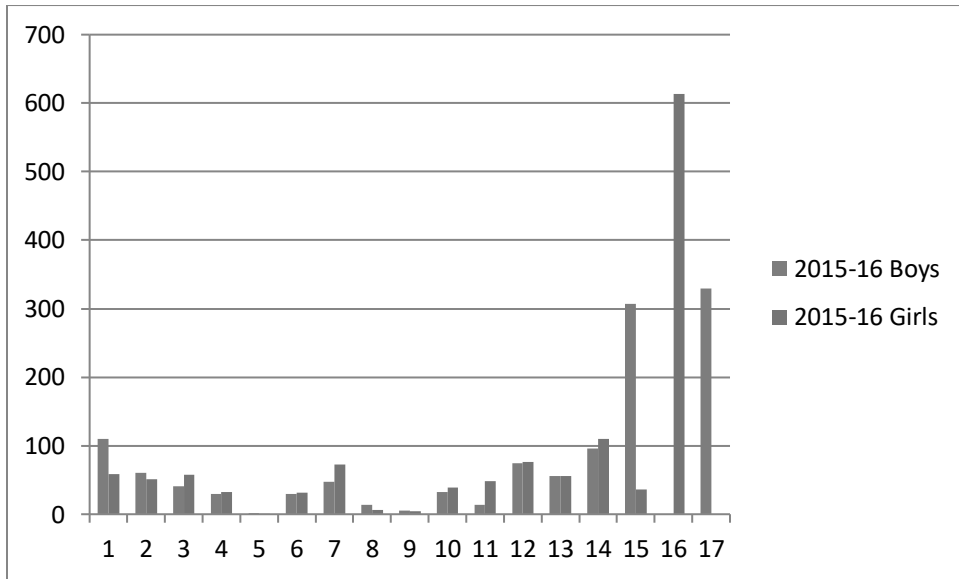
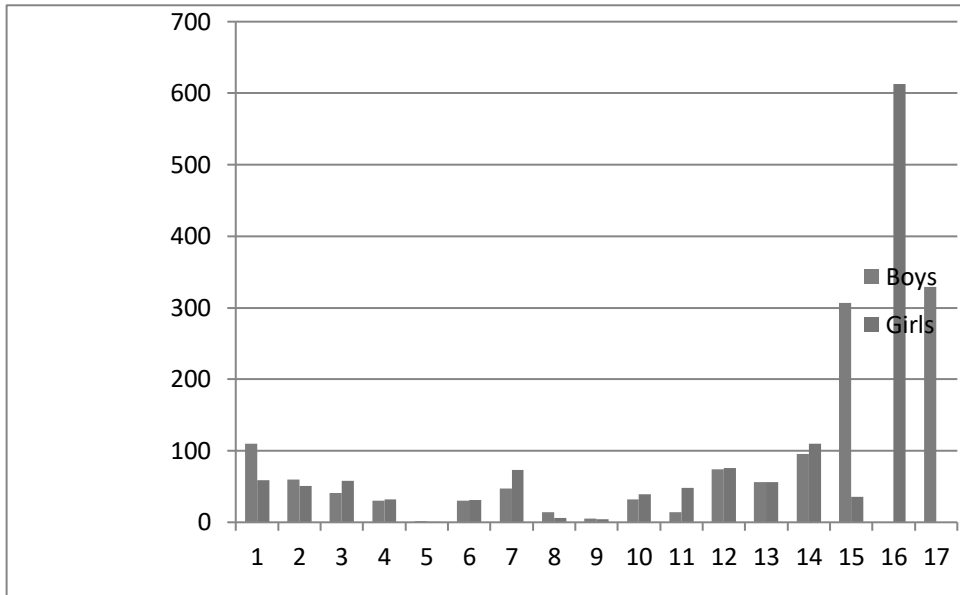
STUDENTS DATA COLLECTED IN MEO OFFICE ,MEDAK



ENROLMENT OF STUDENTS IN GOVT SCHOOL

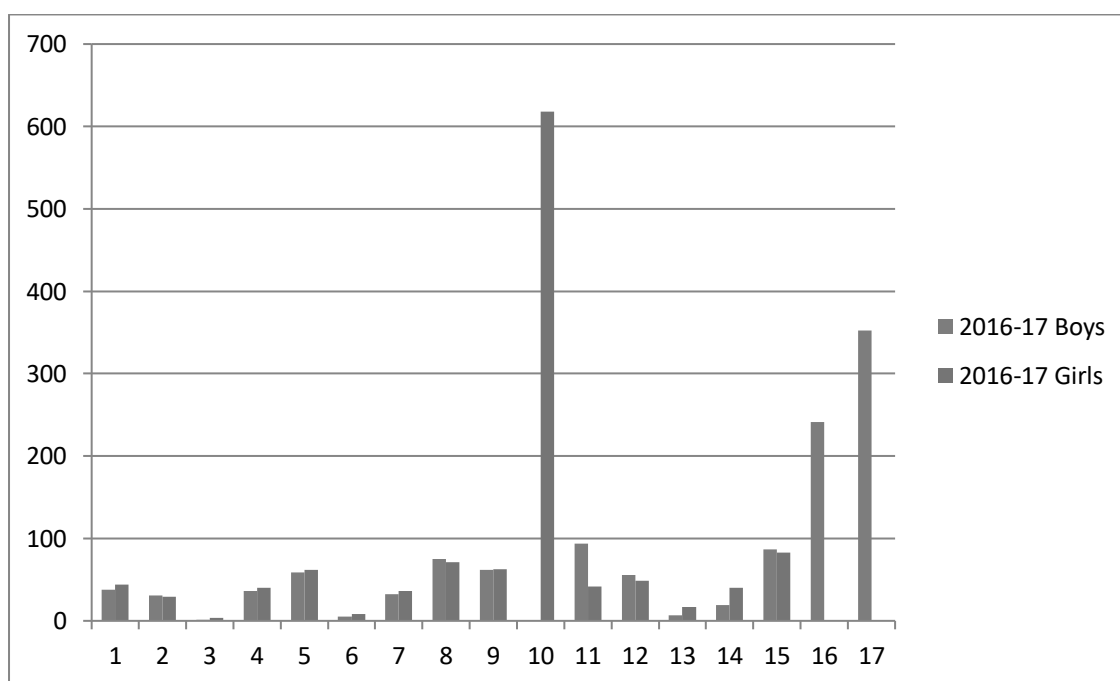
2015-16

Sl. No.	DISE Code	Name of the School	Category of school (PS/UPS/HS)	2015-16		
				Boys	Girls	Total
1	36041190401	GOVT PS JAMMIKUNTA	PS	110	59	169
2	36041190402	GOVT PS GANDHI NAGAR	PS	60	51	111
3	36041190403	GOVT PS GOLKONDA STREET	PS	41	58	99
4	36041190404	GOVT PS DAYARA STREET	PS	30	32	62
5	36041190405	GOVT PS PITLAM BASE	PS	2	1	3
6	36041190406	GOVT PS RAHEEMABAD	PS	30	31	61
7	36041190407	GOVT PS (GIRL) KOLIGADDA	PS	47	73	120
8	36041190408	GOVT PS FATHENAGAR URDU MEDIUM	PS	14	6	20
9	36041190410	GOVT PSAZAMPURA STREET	PS	5	4	9
10	36041190417	GOVT PS VADDERA COLONY	PS	32	39	71
11	36041190418	GOVT PS NEAR RAMALAYAM	PS	14	48	62
12	36041190421	GOVT.UPS BIG BAZAR	UPS	74	76	150
13	36041190422	GOVT.UPS NAWAB PET	UPS	56	56	112
14	36041190423	GOVT.UPS FATHENAGAR	UPS	96	110	206
15	36041190431	GOVT HS NEAR RAMALAYAM	HS	307	36	343
16	36041190432	GOVT HS (Girls)	HS	0	613	613
17	36041190433	GOVT HS RAMAYAMPET ROAD	HS	329	0	329
Total				1247	1293	2540



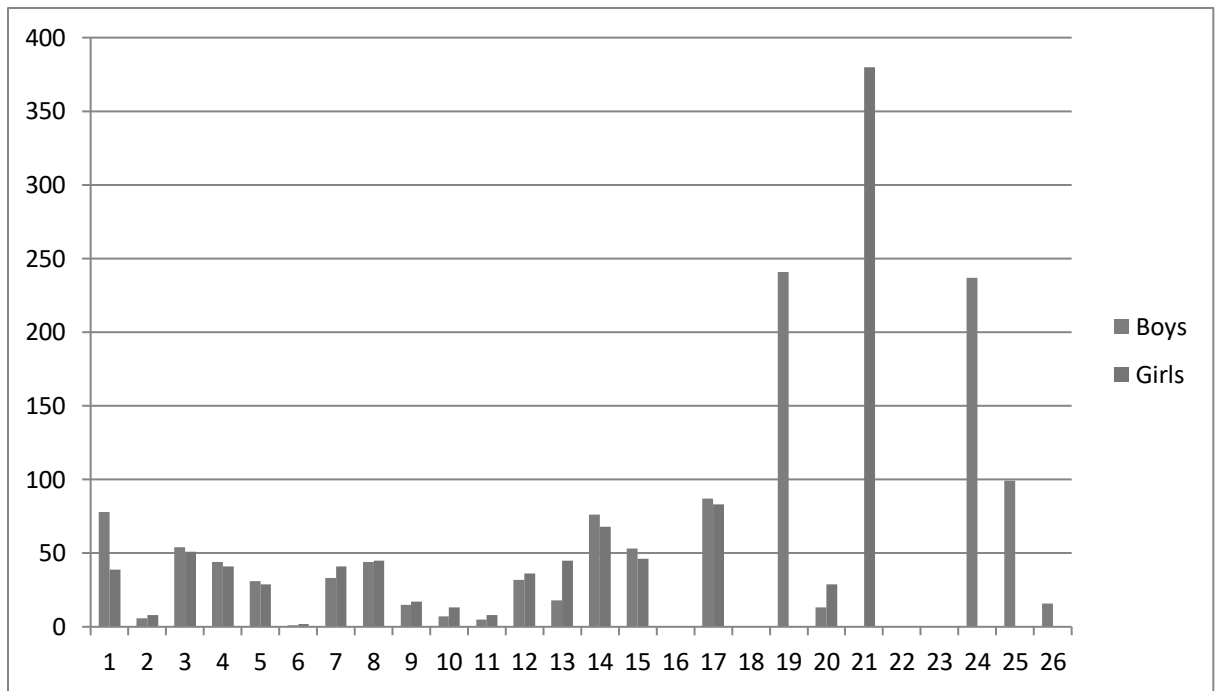
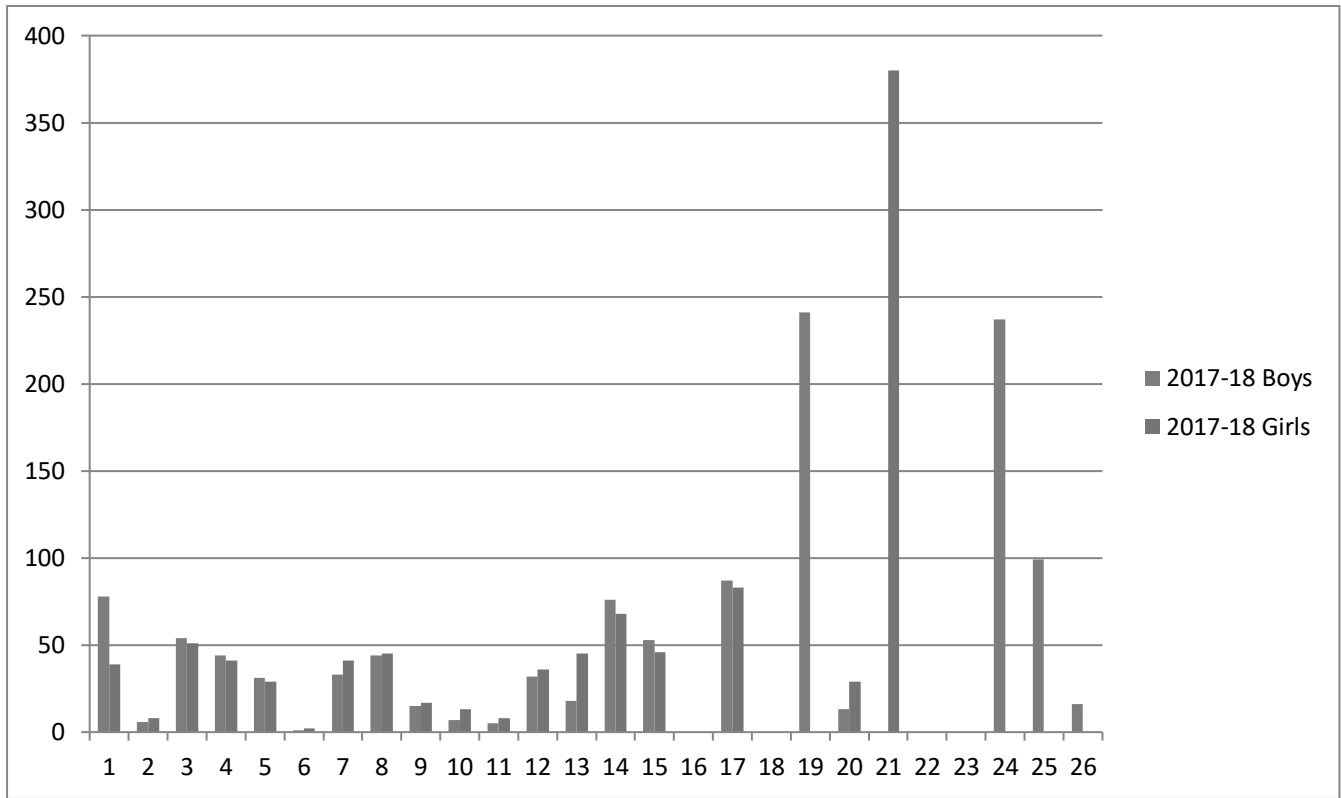
2016-17

Sl No	Name of the Mandal	Name of the School	2016-17		
			Boys	Girls	Total
1	MEDAK	GOVT PS GOLKONDA STREET	38	44	82
2	MEDAK	GOVT PS DAYARA STREET	31	29	60
3	MEDAK	GOVT PS PITLAM BASE	1	4	5
4	MEDAK	GOVT PS RAHEEMABAD	36	40	76
5	MEDAK	GOVT PS (GIRL) KOLIGADDA	59	62	121
6	MEDAK	GOVT PSAZAMPURA STREET	5	8	13
7	MEDAK	GOVT PS VADDERA COLONY	32	36	68
8	MEDAK	GOVT.UPS BIG BAZAR	75	71	146
9	MEDAK	GOVT.UPS NAWAB PET T/M	62	63	125
10	MEDAK	GOVT HS (Girls)	0	618	
11	MEDAK	GOVT PS JAMMIKUNTA	94	42	136
12	MEDAK	GOVT PS GANDHI NAGAR	56	49	105
13	MEDAK	GOVT PS FATHENAGAR URDU MEDIUM	7	17	24
14	MEDAK	GOVT PS NEAR RAMALAYAM	19	40	59
15	MEDAK	GOVT.UPS FATHENAGAR	87	83	170
16	MEDAK	GOVT HS NEAR RAMALAYAM	241	0	241
17	MEDAK	GOVT HS RAMAYAMPET ROAD	352	0	352
			1195	1206	1783



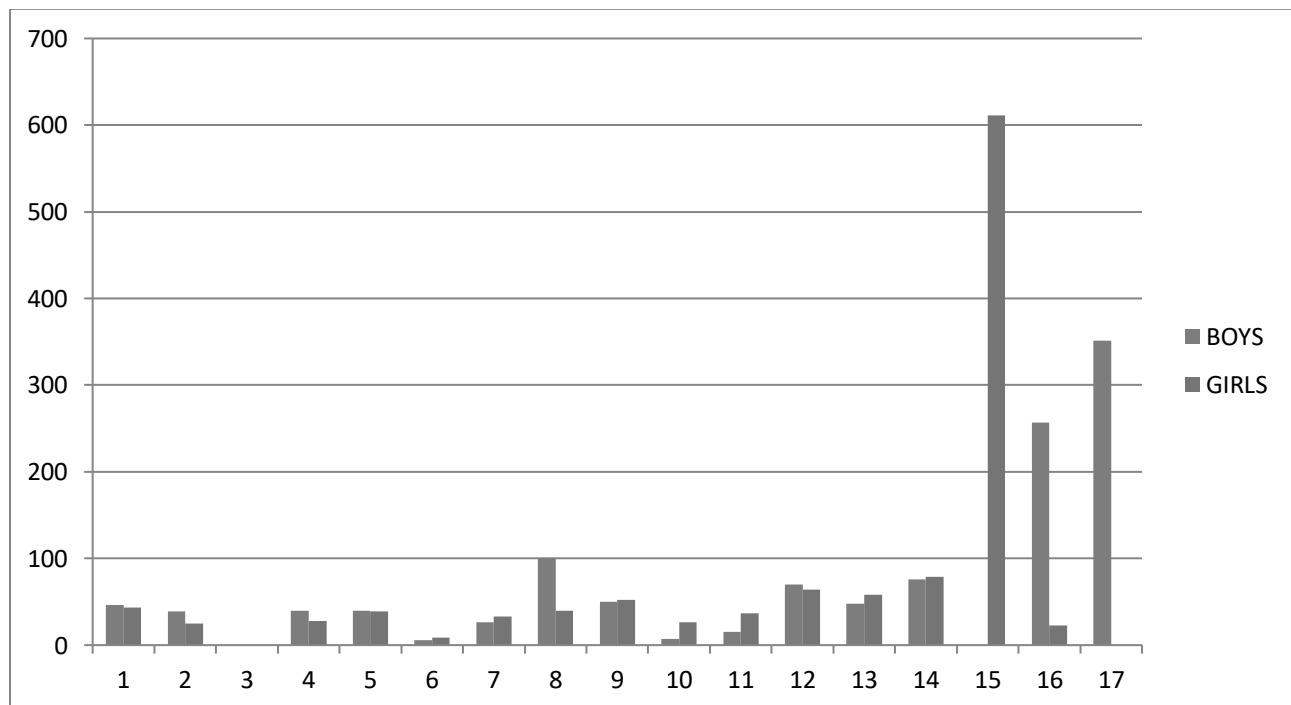
2017-18

Sl No	Name of the Mandal	Name of the School	2017-18		
			Boys	Girls	Total
1	MEDAK	GOVT PS JAMMIKUNTA	78	39	117
2	MEDAK	GOVT PS JAMMIKUNTA	6	8	14
2	MEDAK	GOVT PS GANDHI NAGAR	54	51	105
3	MEDAK	GOVT PS GOLKONDA STREET	44	41	85
4	MEDAK	GOVT PS DAYARA STREET	31	29	60
5	MEDAK	GOVT PS PITLAM BASE	1	2	3
6	MEDAK	GOVT PS RAHEEMABAD	33	41	74
7	MEDAK	GOVT PS (GIRL) KOLIGADDA	44	45	89
8	MEDAK	GOVT PS (GIRL) KOLIGADDA	15	17	32
8	MEDAK	GOVT PS FATHENAGAR URDU MEDIUM	7	13	20
9	MEDAK	GOVT PSAZAMPURA STREET	5	8	13
10	MEDAK	GOVT PS VADDERA COLONY	32	36	68
11	MEDAK	GOVT PS NEAR RAMALAYAM	18	45	63
12	MEDAK	GOVT. UPS BIG BAZAR	76	68	144
13	MEDAK	GOVT. UPS NAWAB PET T/M	53	46	99
14	MEDAK	GOVT. UPS NAWAB PET U/M			
14	MEDAK	GOVT. UPS FATHENAGAR	87	83	170
15	MEDAK	ST DON BASCO SCHOOL			
16	MEDAK	GOVT HS NEAR RAMALAYAM	241	0	241
17	MEDAK	GOVT HS NEAR RAMALAYAM	13	29	42
17	MEDAK	GOVT HS (Girls)	0	380	380
18	MEDAK	GOVT HS (Girls)			
18	MEDAK	GOVT HS (Girls)			
18	MEDAK	GOVT HS RAMAYAMPET ROAD	237	0	237
19	MEDAK	GOVT HS RAMAYAMPET ROAD	99	0	99
19	MEDAK	GOVT HS RAMAYAMPET ROAD	16	0	16
			1190	981	2171



2018-19

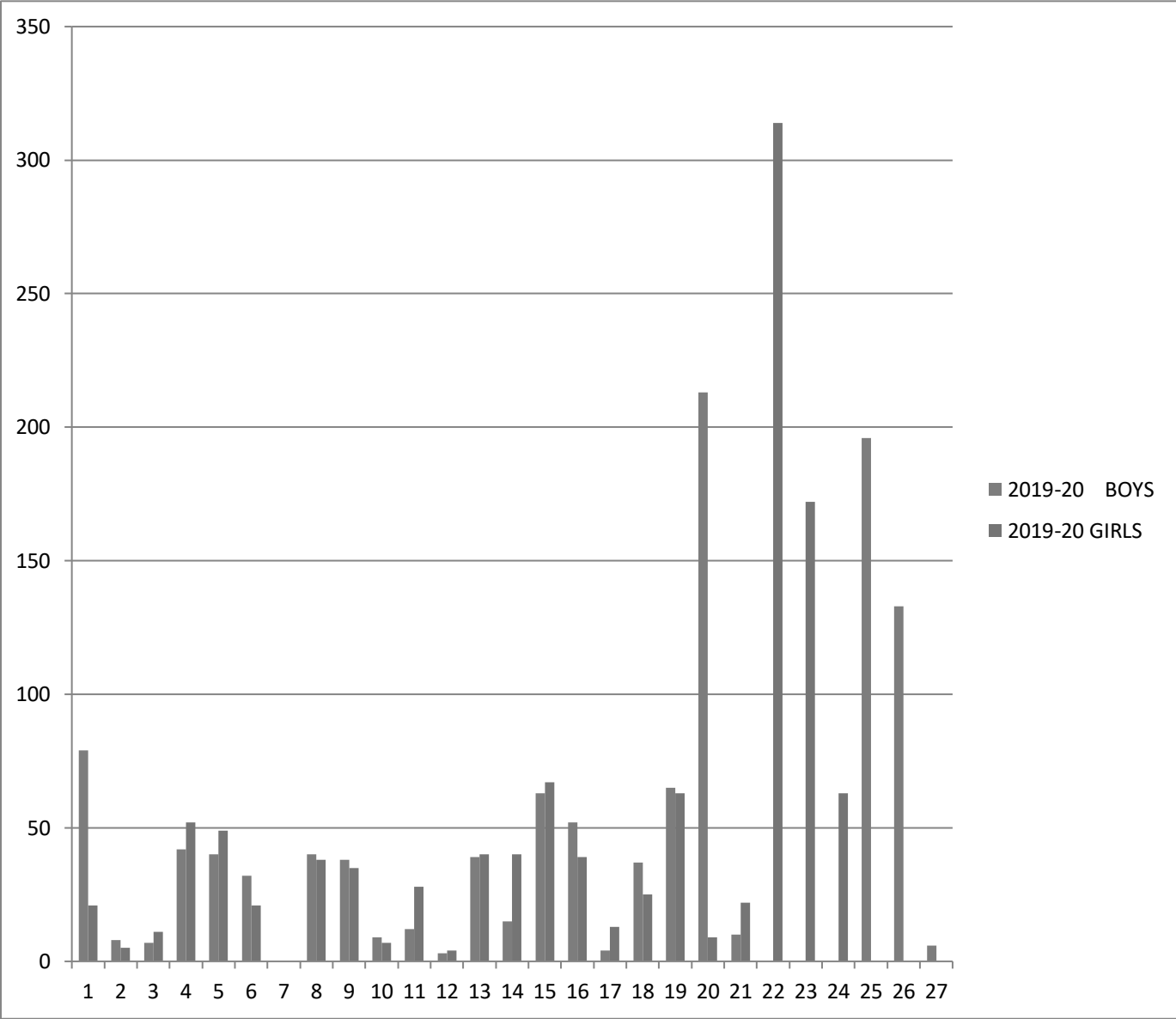
S. No.	Name of the Mandal	Name of the School	2018-19		
			BOYS	GIRLS	T
1	MEDAK	GOVT. PS GOLKONDA STREET MEDAK	46	43	89
2	MEDAK	GOVT. PS DAYARA STREET MEDAK	39	25	64
3	MEDAK	GOVT. PS PITLAM BASE MEDAK	0	0	0
4	MEDAK	GOVT. PS RAHEEMABAD MEDAK	40	28	68
5	MEDAK	GOVT. PS (GIRL) KOLIGADDA MEDAK	40	39	79
6	MEDAK	GOVT. PSAZAMPURA STREET MEDAK	6	9	15
7	MEDAK	GOVT. PS VADDERA COLONY MEDAK	26	33	59
8	MEDAK	GOVT. PS JAMMIKUNTA	100	40	140
9	MEDAK	GOVT. PS GANDHI NAGAR MEDAK	50	52	102
10	MEDAK	GOVT. PS FATHENAGAR UM MEDAK	7	26	33
11	MEDAK	GOVT. PS NEAR RAMALAYAM MEDAK	15	37	52
12	MEDAK	GOVT. UPS BIG BAZAR	70	64	134
13	MEDAK	GOVT. UPS NAWAB PET	48	58	106
14	MEDAK	GOVT. UPS FATHENAGAR	76	79	155
15	MEDAK	GOVT. HS (GIRLS) MEDAK	0	611	611
16	MEDAK	GOVT. HS NEAR RAMALAYAM MEDAK	257	23	280
17	MEDAK	GOVT. HS BOYS MEDAK	351	0	351
			1171	1167	2338



2019-20

S. No.	Name of the School		BOYS	GIRLS	TOTAL
	GOVT. PS JAMMIKUNTA	PS	79	21	100
	GOVT. PS JAMMIKUNTA	PS	8	5	13
1	GOVT. PS JAMMIKUNTA	PS	7	11	18
2	GOVT. PS GANDHI NAGAR MEDAK	PS	42	52	94
3	GOVT. PS GOLKONDA STREET MEDAK	PS	40	49	89
4	GOVT. PS DAYARA STREET MEDAK	PS	32	21	53
5	GOVT. PS PITLAM BASE MEDAK	PS	0	0	0
6	GOVT. PS RAHEEMABAD MEDAK	PS	40	38	78
7	GOVT. PS (GIRL) KOLIGADDA MEDAK	PS	38	35	73
8	GOVT. PS (GIRL) KOLIGADDA MEDAK	PS	9	7	16
9	GOVT. PS FATHENAGAR UM MEDAK	PS	12	28	40
10	GOVT. PSAZAMPURA STREET MEDAK	PS	3	4	7
11	GOVT. PS VADDERA COLONY MEDAK	PS	39	40	79
12	GOVT. PS NEAR RAMALAYAM MEDAK	PS	15	40	55
13	GOVT. UPS BIG BAZAR	UPS	63	67	130
14	GOVT. UPS NAWAB PET	UPS	52	39	91
15	GOVT. UPS NAWAB PET	UPS	4	13	17
16	GOVT. UPS FATHENAGAR	UPS	37	25	62
17	GOVT. UPS FATHENAGAR	UPS	65	63	128
18	GOVT. HS NEAR RAMALAYAM MEDAK	HS	213	9	222
19	GOVT. HS NEAR RAMALAYAM MEDAK	HS	10	22	32
20	GOVT. HS (GIRLS) MEDAK	HS	0	314	314
21	GOVT. HS (GIRLS) MEDAK	HS	0	172	172
22	GOVT. HS (GIRLS) MEDAK	HS	0	63	63
23	GOVT. HS BOYS MEDAK	HS	196	0	196
24	GOVT. HS BOYS MEDAK	HS	133	0	133
25	GOVT. HS BOYS MEDAK	HS	6	0	6
			1143	1138	2281

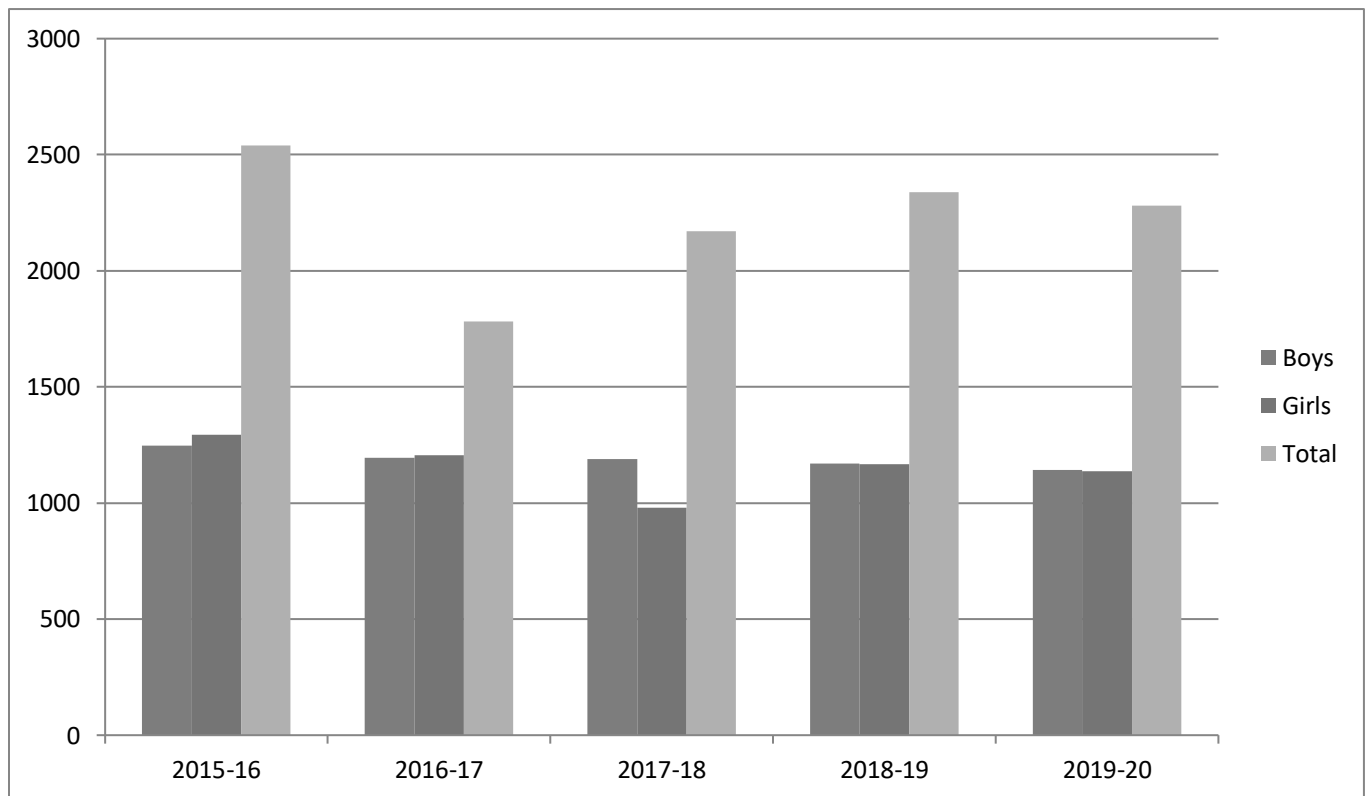
2019-20



ENROLMENT OF STUDENTS IN GOVT SCHOOL

YEAR	Boys	Girls	Total
2015-16	1247	1293	2540
2016-17	1195	1206	1783
2017-18	1190	981	2171
2018-19	1171	1167	2338
2019-20	1143	1138	2281

ENROLMENT OF STUDENTS IN GOVT SCHOOL



CONCLUSION

This study will help those people who ensure the importance of government schools. The results of present study will be helpful to give suggestions to teachers and parents to increase enrolment rate in government schools

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(Affiliated to Osmania University)
Reaccredited with B grade by NAAC
DEPARTMENT OF PHYSICS



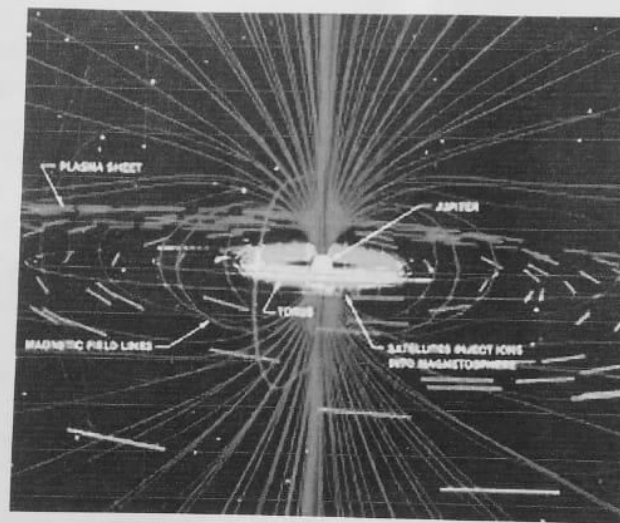
JIGNASA STUDENT STUDY PROJECT
ON
ELECTROMAGNETISM IN HUMAN BODY –ITS EFFECT ON HEALTH



SUPERVISOR NAME: Smt N. Aruna kumari

PREPARED BY : B.Sc (MPCS)-final year students

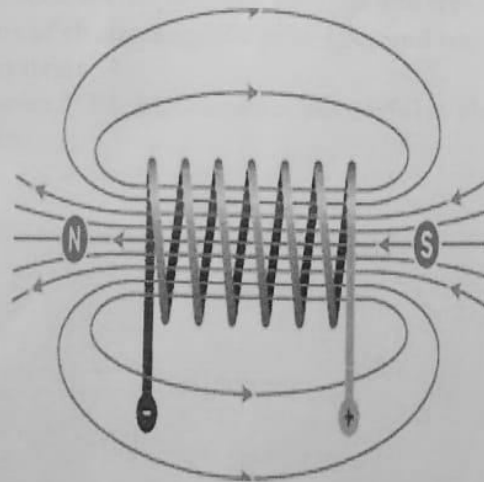
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- B.NIHARIKA(6028-19-468-007)
- K.KAVYA(96028-19-4026)
- K.HARICHANDANA(6028-19-468-029)
- T.SANDHYA(6028-19-468-049)



ELECTROMAGNETISM IN HUMAN BODY AND IT'S AFFECTS ON HEALTH

INTRODUCTION:

- As the sun sends its rays to earth, it lights up our world. But there is more to the world than the things we can see with light alone.
- As light races through space, it makes electricity and magnetism ripple down its path like waves on the sea. Light is not the only energy that behaves like this there's a whole collection of similar waves like this- electromagnetic spectrum. We can't see most electromagnetic waves; they are incredibly useful, helping us with everything from spotting broken bones to watching TV shows.
- Since the beginning of 20th century, we are overwhelmed by the increasing sources of the EMF (electro magnetic field) that is coming from telecommunication, electricity, appliances, medical equipments and many other apparatus that we use in our daily life. Although these new technologies became inevitable and indispensable, the EMF which produced may cause health risks and hazards to human.
- Low frequency magnetic fields induce circulating currents within the human body. The strength of these currents depends on the intensity of the outside magnetic field. It is sufficiently large; these currents could cause stimulation of nerves and muscles or affect other biological processes.



ABSTRACT:

- Bio Electronics is very important subject in which we study about relation applications and treatments of biological systems by using electromagnetic theories devices and lab activities.
- Electromagnetic waves are everywhere in the nature and most important in human body also as these influence different reactions activities and life processes of human beings and other living beings
- Electromagnetic wave processes and applications of Bio electronics are very important to know and it is very important to learn and apply for quality of life of living beings especially human beings.
- Electromagnetic theories and principles we study in our physical science are applicable to analyse, modify and treat biological system of human beings to a level, so we should study learn and apply the modern electromagnetic theories to improve health conditions and quality as life of the people
- Modern methods of treatment improved the medical treatments by using electromagnetic devices and theories of conventional studies of electromagnetic waves
- To improve the quality of life of human being we can use electromagnetic devices, theories and research results.
- We follow the following procedure to do the project
"Electromagnetism in human body and it's affects on health"
- Electrical pulses in human body causes and influencing factors.
- Magnetism in human body due to electric pulses flow in it.
- Electromagnetic waves, changes, analysis and treatments
- Applications of electromagnetic principles and wave patterns in biological systems
- Bio Electronics MRI, ECG and devices useful to change and stabilise human health




• **CONCLUSION:**

- Electromagnetic theories and devices are very useful to analyse change and establish stable health of human beings and we can control human health by using electromagnetism



N. ARUNAKUMARI



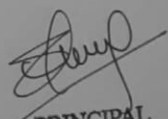
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CONCLUSION

This study will help those people who ensure the importance of government schools. The results of present study will be helpful to give suggestions to teachers and parents to increase enrolment rate in government schools

BL
(I/c)

(J. Kashyap
Sharma)


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PROJECT
ON
FISH SEED FARM,
RASHEED COLONY, MEDAK TOWN,
MEDAK.



Submitted By
K. Sai Kiran

H.T.No. 6028-18-445-028, BZC,E/M

DEPARTMENT OF ZOOLOGY
GOVERNMENT DEGREE COLLEGE, MEDAK.
TELANAGA STATE

INTRODUCTION

Fishery Development office (Fishery seed form) is a Government office, Located at Rasheed colony, Medak Town. This seed form develop fish seeds by the Jar Hatchery and Chainis Hatchery. Fish seeds collected from Indian Major Carps i. e. Catla Catla, Rohu, Cirrhinus mirgal.

The Major carps cultured in Natural ponds, Mono sexual ponds, Stocking ponds and Poly sexual ponds. Finger lings ,prey fishes cultured in Nursery ponds.

Fish spawn(Fertilized eggs) are produced by Hypophysatioan method. Hypophysation is a traditional method.Instead of Hypophysation they are using Ovaprime injectble solution for releasing of number of Eggs and Sperms.

Fish seed transport to formers with the permission of FDO by Open and Closed metods. Fish Farmers cultured fish seed in natural ponds.

Major carps are most demandable edible fishes in Medak region



Office

HYPOPHYSATION METHOD

Hypophysation is the technique in which mature Fishes are induced to breed by injecting specified doses of Gonadotrophic hormones or Sexual hormones. Hypophysation is a traditional method.

In the process of Hypophysation collect the fish brain from selected fish by the broken of fish skull. Extract the pituitary gland from brain and use immediately as a injectble dose or preserved for 5-6 years in 100% Ethyl alcohol solution. Fishery Development used this technique before 5 years but they are using only Ovaprime.

Dosages

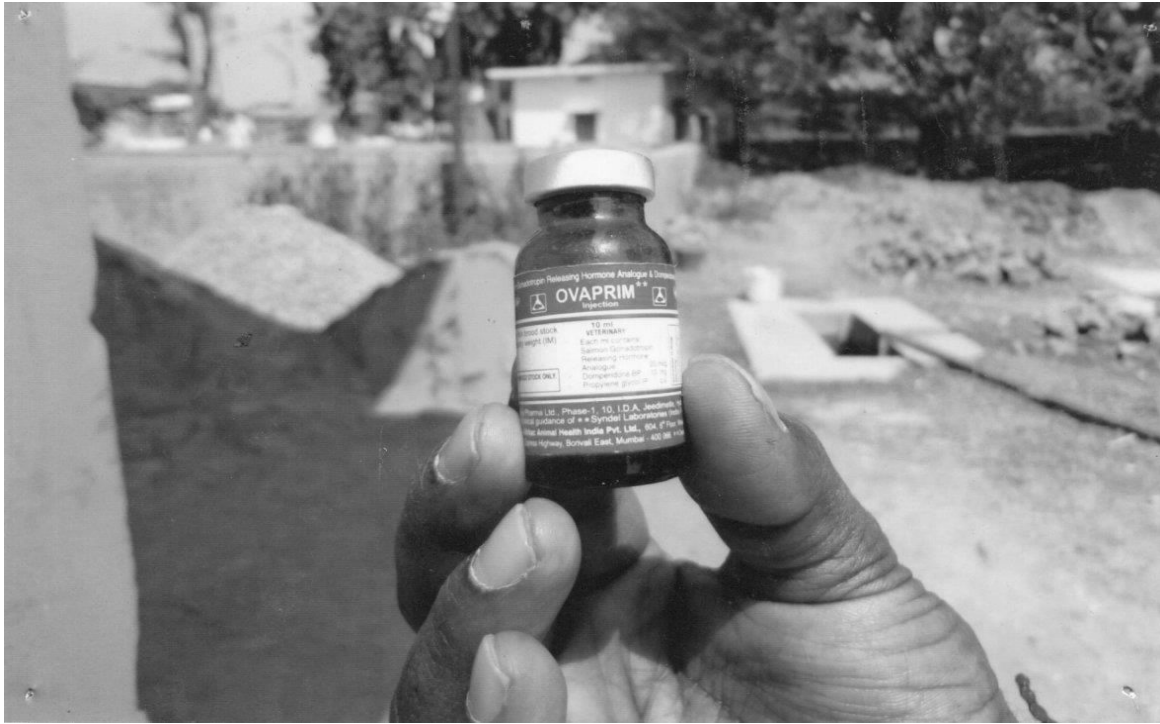
Weight	Dosage	Sex
1Kg	First dose 2-3mg	Male Female
	Second dose (Six hours gap between 1 st and 2 nd) 5-8mg	Only Female

When the dosage given to the adult fishes (breeders) they release eggs and sperms within 6-8 hours



Ovaprime dosage

Ovaprime: it is a processed hormonal solution.



Ovaprime



Fish seeds

Identify the Different Type of Ponds in Fishery Development Office

1. Natural ponds

2 Natural ponds are located right side of the technical lab in fish form house. Water available through canals of BHARAKAMAN is a check dam which is located in Medak town. this pond contain Catla Catla, Rhohu,Cirrhinus mirgal.

Natural pond

2.



Mono sexual and poly sexual ponds

4 mono sexual ponds are located back side of the technical lab in fish form house. This ponds contain separate male and female fishes



3. Hatcheries

Jar hatcheries are located in the ground floor of the office, chinis hatcherie is located back side of the office. This hatcheries contain spawning up to growing the spawn size 2mm called prey fishes

Jar hatcheries

Chinis hatcheries



4.



Nursery Ponds

6 Nursery Ponds are located right side of the fishery office. This ponds contain 2mm size prey fishes which are shifted from hatcheries. 2mm prey fishes grow as finger lings in this ponds.



Nursery Ponds

5. Fish Transport

Fishery Development office transport fish seed in oxygen filled polythene bags to fish formers. Oxygen silinders are used for filling oxygen. Each bag contain nearly 200-300 finger lings.





Polythene Bags

Fish food

Fishery development office provide food to fishes as brown algae, Phytoplanktons, Zooplanktons, cow dung, rice brine and water plants.

Conclusion

B.Sc. B.Z.C. III Year T/M, E/M Students are observe the management of fishery department and ask the related questions to the FDO Sir. The student also observe the Natural, Monosexual, Polysexual ponds, Jar Hatcheries, Chinis Hatcheries, Narsery ponds and Zooplanktons, Phytoplanktons, transport of seeds. The field visit is very useful to physical experience and learn the subject which is related to Aquaculture VI paper

Thanks to fishery department officer (FDO) and staff

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