



KAKATIYA GOVERNMENT COLLEGE

HANUMAKONDA, TELANGANA STATE – 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail:warangal.jkc@gmail.com, website: <https://gdcts.cgg.gov.in/hanamkonda.edu>)



Criterion -I

Metric: 1.3.2

Number of students undertaking Project Work /

Field Work / Internships

PROJECT WORK / FIELD WORK

2019 – 2020

DEPARTMENT OF ENGLISH

STUDENT STUDY PROJECT

TOPIC:

Technology's Role in English Language Learning

2019-2020

STUDENT RESEARCHERS

1. ~~Khobragade yogi~~
2. ~~B Srilekha Goud~~
3. ~~Lotti Murali~~
4. ~~Devarakonda saiikiran~~
5. ~~Singapuram Sravani~~
6. ~~Dappu Abhaya~~
7. ~~Rithika~~
8. ~~Myadari Veena~~
9. ~~Rachana mesilipally~~
10. ~~Asmeera Mahesh~~

RESEARCH SUPERVISOR

Dr. E. Ram Bhaskar Raju

SUBMITTED TO

THE DEPARTMENT OF ENGLISH,
KAKATIYA GOVERNMENT COLLEGE
HANUMAKONDA

STUDENT STUDY PROJECT

TOPIC:

An Empirical Investigation of English Prepositions

2019-2020

STUDENT RESEARCHERS

1. Banda sathish
2. Tejavathi Sathish
3. Muthuam Udakiran
4. Paka srinath
5. Ganu raj Kumar
6. Shalender Jatti
7. Malliswami Bhukta
8. Urakavala Saiyamah
9. Deshaboina Vinay
10. Singarapu Mahesh

RESEARCH SUPERVISOR

M. Manojker Samlex

SUBMITTED TO

**THE DEPARTMENT OF ENGLISH,
KAKATIYA GOVERNMENT COLLEGE
HANUMAKONDA**

STUDENT STUDY PROJECT

TOPIC:

**The Progression of Second-Year English Students' Pronunciation Skills
2019-2020**

STUDENT RESEARCHERS

1. P.Gouthami
2. **LUARKESHA PATHIPAK**
3. **SHERI RASHITHA**
4. V.Venbata Varma
5. **BHIMAGANI RAKESH**
6. Dainamapalli Ambedkar
7. Mudu chandrabala
8. Manohar Palepu
9. Ch.saibiran
10. Thota Mahesh

RESEARCH SUPERVISOR

M. Manojker Samley

SUBMITTED TO

**THE DEPARTMENT OF ENGLISH,
KAKATIYA GOVERNMENT COLLEGE
HANUMAKONDA**

STUDENT STUDY PROJECT

TOPIC:

Book club for English improvement

2019-2020

STUDENT RESEARCHERS

- 1. Boda anil bumar**
- 2. Singam Saikrishna**
- 3. Nidibonda. Soumya**
- 4. Macherla shivabumar**
- 5. Jannu Dileep**
- 6. Gugulothu pavan**
- 7. Shaga Navvasree**
- 8. Rajesh**
- 9. Moharle Nagesh**
- 10. Edepu Apoorva**

RESEARCH SUPERVISOR

Dr. E. Satyanarayana

SUBMITTED TO

**THE DEPARTMENT OF ENGLISH,
KAKATIYA GOVERNMENT COLLEGE
HANUMAKONDA**

STUDENT STUDY PROJECT

TOPIC:

Efficacy of language acquisition in virtual classes using multiple social media platforms

2019-2020

STUDENT RESEARCHERS

1. **L.Prem Jagan**
2. **Muppidi Bhavani**
3. **Dharavath Naresh**
4. **Kunthavath veeranna**
5. **Rathnam Rajkumar**
6. **Ramavath Rakesh**
7. **Gatla.Ramesh**
8. **Merusu. Keerthi**
9. **L. Hemambar**
10. **Sainik**

RESEARCH SUPERVISOR

Dr. E. Satyanarayana

SUBMITTED TO

**THE DEPARTMENT OF ENGLISH,
KAKATIYA GOVERNMENT COLLEGE
HANUMAKONDA**

STUDENT STUDY PROJECT

TOPIC:

English Language Usage Among the Students of Higher Education in the Vicinity of Hanumakonda Town

2019-2020

STUDENT RESEARCHERS

B.COM IIND YEAR

B.Ramansiah
CHashobh
E.sullaisah
Idavath nimma
K.Venkatesiah
K.Srinu
N.Jaraisah
U.Yadaiah
B.Ramesh
E.Venkateswamy
G.Narasimha
M.Sudhakar
N.Ravinder
P.Ramaisah
T.Sudhakar

A.Sampath
B.Kishor
B.Bhojya
B.Bhikya
CH.Muttaiyah
E.Raisiah
G.Jaisiah
G.Ravi
K.Balasiah
M.Kumarswamy
P.Saibaba
R.Meali
S.Raju
S.Madaiah
A.hemanth kumar

B.A IIND YEAR

A.Kavitha
B.Vamsi
B.Jarisha
B.Sampath
CH.Nayya
B.Saibikumar
D.Raviteja
E.Naveen
E.Giribabu
E.Arma
J.Niraha
K.Anand
K.Raniith
K.Aravind
MD.Azimbasha

RESEARCH SUPERVISORS

Dr. E. Satyanarayana
M. Manojker Samley
K. Uma Kiran

SUBMITTED TO

THE DEPARTMENT OF ENGLISH,
KAKATIYA GOVERNMENT COLLEGE
HANUMAKONDA

STUDENT STUDY PROJECT

TOPIC:

English Through Print Media

2019-2020

STUDENT RESEARCHERS

1. **B.Harshini**
2. **L.Saibumar**
3. **P.Spandana**
4. **B.shirisha**
5. **K.Mouniba**

RESEARCH SUPERVISOR

Dr. Adi Ramesh Babu

SUBMITTED TO

**THE DEPARTMENT OF ENGLISH,
KAKATIYA GOVERNMENT COLLEGE
HANUMAKONDA**

DEPARTMENT OF TELUGU



తెలుగు విభాగం

కాకతీయ ప్రభుత్వ కళాశాల, హన్మకొండ
2019-20. Academic Year

STUDENT STUDY PROJECT

Topic శ్రీరంగం శ్రీనివాసరావు - పరిచయం.

By

1. SK. Amreen Bsc. MPCS II yr. 006-19-4283.
2. S. Ravi Varma P. MPCS II yr. 006-19-4286.
3. S. ShashiKala Bsc. MPCS II yr. 006-19-4288.
4. S. Lakshman Bsc. MPCS II yr. 006-19-4291.
5. S. Sriya Bsc. MPCS II yr. 006-19-4292.

పర్యవేక్షకులు

డా. పాండుల సాయిలు, అనుబంధ ప్రొఫెసర్



ತೆಲುಗು ವಿಭಾಗಂ

ಕಾಕತಿಯ ಪ್ರಭುತ್ವ ಕಳಾಶಾಲ, ಹಾನ್ಮಕೊಂಡ
2019-20 Academic year

STUDENT STUDY PROJECT

Topic

ತೆಡ್ಡಿರಾಚುಲು - ಸಾವಿತ್ರಿನಿವ

By

1. SK. Sameer. BSc. MPCs II yr. 006-19-428
2. S. Srinivas. BSc. MPCs II yr. 006-19-429
3. T. Ramya. BSc. MPCs II yr. 006-19-429
4. T. Pavankumar. BSc. MPCs II yr. 006-19-429
5. T. Sujitha. BSc. MPCs II yr. 006-19-429

ಪರ్యವೇಕ್ಷಕುಲು

ಡಾ. ಪಾಂಡುಲ ಸಾಯಿಲು, ಅಸಿಸ್ಟೆಂಟ್ ಪ್ರೊಫೆಸರ್

KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA

DEPARTMENT OF TELUGU

ACADEMIC YEAR

2019-2020

STUDENT STUDY PROJECT

ON

రుద్రమ దేవి

SUBMITTED BY

H.T. No.	Name	Group
006-20-3479	K. ANUSHA	BZC
006-20-3414	B. AKHILA	BZC
006-20-3416	N. KARTHIK	BZC
006-20-3441	E. VINAY	BZC
006-20-3409	B. SATISH	BZC
006-20-4004	A. AKHILA	MPC
006-20-4001	A. VINOD KUMAR	MPC
006-20-4021	D. SHIVAJI	MPC
006-20-4058	T. RESHMA SRI	MPC
006-20-4322	E. SHRAVANI	MSTCS

Supervised By

B. BALAJI

Asst. Professor of Telugu

KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA

DEPARTMENT OF TELUGU

ACADEMIC YEAR

2019-2020

STUDENT STUDY PROJECT
ON

చరిత్రములు

SUBMITTED BY

H.T. No.	Name	Group
006-19-4132	B. KAVITHA	MPCS
006-19-4141	B. SHIVA	MPCS
006-19-4148	CH. RAKESH	MPCS
006-19-4164	D. SPANDHANA	MPCS
006-19-4168	E. NAVEEN KUMAR	MPCS

Supervised By

B. BALAIAH

Asst. Professor of Telugu



తెలుగు విభాగం

కాకతీయ ప్రభుత్వ కళాశాల, హన్మకొండ

అధ్యయన ప్రాజెక్టు - కవిలాసంకలనాలు

STUDENT STUDY PROJECT

2019-2020

By

1. P. Ganeshwar B.A (H.P.P) Elm Iyr 006-20-1721
2. S. Krishna B.A (H.P.P) Elm Iyr 006-20-1722
3. T. Ravi B.A (H.P.P) Elm Iyr 006-20-1723
4. V. Pavankalyan B.A (H.P.P) Elm Iyr 006-20-1724
5. N. Chandrika B.A (H.P.P) Elm Iyr 006-20-17235

పర్యవేక్షకులు

V. సంపత్ రెడ్డి



తెలుగు విభాగం

కాకతీయ ప్రభుత్వ కళాశాల, హన్మకొండ

శాస్త్రోత్పత్తి కృషి

STUDENT STUDY PROJECT

2019-2020

By

1. B. Vinod IBA (HPP) 006201701
2. B. Venkanna IBA (HPP) 006201702
3. B. Rakesh IBA (HPP) 006201703
4. V. Pavan Kalyan IBA (HPP) 006201724
5. N. Chendrika IBA (HPP) 006201725

పర్యవేక్షకులు

V. Sampath Reddy (Asst Professor)



తెలుగు విభాగం

కాకతీయ ప్రభుత్వ కళాశాల, హన్మకొండ

STUDENT STUDY PROJECT

2019-2020

భారత సేవలలో స్త్రీల పాత్ర
By

1. G. Prathyusha M.P. CS I Year Elm 006-19-4180
2. K. Pradeep M.P. CS I Year Elm 006-19-4198
3. K. Sandeep M.P. CS I Year Elm 006-19-4202
4. K. Niranjana M.P. CS I Year Elm 006-19-4205
5. N. Preethi M.P. CS I Year Elm 006-19-4245

పర్యవేక్షకులు

జి. చంద్రకళ



తెలుగు విభాగం

కాకతీయ ప్రభుత్వ కళాశాల, హన్మకొండ

తెలుగులో - అక్షరాల పాఠశాల

STUDENT STUDY PROJECT

2019 - 2020

By

1. M. Sowmya B.Sc B2.C II year Elm 006-19-3463
2. V. Vandana B.Sc B2.C II year Elm 006-19-3477
3. V. Jyothi B.Sc B2.C II year Elm 006-19-3482
4. M. Vani B.Sc B2.C II year Elm 006-19-3462
5. V. Charishma B.Sc B2.C II year Elm 006-19-3484

పర్యవేక్షకులు

జి. చంద్రకళ



తెలుగు విభాగం

కాకతీయ ప్రభుత్వ కళాశాల, హన్మకొండ

2019-2020
STUDENT STUDY PROJECT

శైవసాహిత్యం - 12.వ. కళ్యాణం, 13.వ. కళ్యాణం

- By
B.B.A 2nd Year
1. CH. Vennala - 006 - 181806
 2. G. Tharan - 006 - 181816
 3. K. Mounica - 006 - 181820
 4. M. Arun Teja - 006 - 181825
 5. M. poojitha - 006 - 181829

పర్యవేక్షకులు
డా. విజయలక్ష్మి
ఉపాధ్యక్షులు (ప్రాధికార)
తెలుగు శాఖ
హన్మకొండ - వరంగల్



తెలుగు విభాగం

కాకతీయ ప్రభుత్వ కళాశాల, హన్మకొండ

2019 - 2020

STUDENT STUDY PROJECT

వరంశల్ లోని చారిత్రక ప్రదేశాలు

By
B.A. II year (EHPS)

1. A. Bhanuprasad — 006191402
2. Ch. Sindhuja — 006191413
3. P. Pavankalyan — 00619428
4. V. Surender — 00619441
5. M. Swa pna — 00619517

పర్యవేక్షకులు

Dr. B. Suneetha

Associate Prof. of Telugu

Kakatiya Government College

Hanamkonda.



తెలుగు విభాగం

కాకతీయ ప్రభుత్వ కళాశాల, హన్మకొండ

2019 - 2020

STUDENT STUDY PROJECT

తెలుగు భాషా ప్రాముఖ్యత

By

B.A. III year (Modern Language)

1. K. Maniatha - 006181410
2. B. Kalyani - 006181404
3. E. Devender - 006181406
4. B. Navcen nayak - 006181403
5. G. Nagarajuna - 006181407

పర్యవేక్షకులు

Dr. B. Suneetha

Associate Prof of Telugu

Kakatiya Government college

Hanamkonda.



తెలుగు విభాగం

కాకతీయ ప్రభుత్వ కళాశాల, హన్మకొండ

2019-2020

STUDENT STUDY PROJECT

తీలక్ - మానవ తొయా రి (ఉత్పతం కురి సేవల(8))

By
B.A - 3rd year - Telugu Modern Language


1. K. Shireesha - 006-191411
2. M. Rajender - 006-191413
3. H. Krothi Kumar - 006-191414
4. N. Naveen - 006-191415
5. S. Vanamma - 006-191417

పర్యవేక్షకులు
Y. Vijayalalitha
Associate Professor in Telugu
Kakatiya Government Degree College
Hanamkonda - Warangal (U)



REDMI NOTE 9
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DEPARTMENT OF HINDI




**COMMISSIONERATE OF COLLEGIATE EDUCATION
GOVERNMENT OF TELANGANA, HYDERABAD
JIGNASA 2021**

STUDENT STUDY PROJECT
Online Vidya, Hindi Patra-Patrikayein Evam Sahithya Ke Shroth
छात्र अध्ययन परियोजना
ऑनलाइन विद्या, हिन्दी पत्र - पत्रिकाएँ एवं साहित्य के श्रोत
परियोजना निर्देशिका (Project Guide)

Dr. GOPIREDDY LEELAVATHI
Asst. Professor of Hindi

छात्र शोधार्थी (Student Researchers)

1. K. SUNIL, BBA III YR.
2. ROHAN KUMAR, B.COM III YR.
3. ABHISHEK MISHRA, B.COM III YR.
4. HARSHITHA, B.COM II YR.
5. KHANSA ZAREEN, B.COM II YR.



KAKATIYA GOVERNMENT COLLEGE
Accredited with NAAC 'B+' Grade
Hanumakonda - Telangana

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KAKATIYA GOVERNMENT COLLEGE

HANAMKONDA, DIST. WARANGAL (U)

TELANGANA



DEPARTMENT OF HINDI

2019-2020

STUDENT PROJECT

विद्यार्थी और राजनीति

SUPERVISED BY:

G. LEELAVATHI,

ASST. PROFESSOR OF HINDI
KAKATIYA GOVERNMENT COLLEGE

SUBMITTED BY:

- | | | |
|----------------|--------------|-----------|
| 1. A. Devender | Bt. B.C.-II. | 006193106 |
| 2. B. Suman | " | 3105 |
| 3. B. Anil | " | 3104 |
| 4. D. Madhukar | " | 3109 |
| 5. K. Rakesh | " | 3123 |
| 6. L. Lokesh | " | 3124 |
| 7. Md. Salman | " | 3126 |



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TELANGANA



DEPARTMENT OF HINDI

2019-20.

STUDENT PROJECT

विज्ञान : कश्चन है या अभिराप

SUPERVISED BY:

G. LEELAVATHI,

ASST. PROFESSOR OF HINDI
KAKATIYA GOVERNMENT COLLEGE

SUBMITTED BY:

- | | | |
|-----------------|---------|-----------|
| 1. P. Manisha | MBC-II. | 006193610 |
| 2. G. Sumathi | " | 3604 |
| 3. G. Ajaykumar | MZC-II. | 3704 |
| 4. B. Kalyani | " | 3702 |
| 5. E. NavyaSri | " | 3703 |
| 6. P. Vishwal | " | 3710 |



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TELANGANA



DEPARTMENT OF HINDI

2019-2020.

STUDENT PROJECT

जीवन में स्वच्छता का महत्व.

SUPERVISED BY:

G. LEELAVATHI,

ASST. PROFESSOR OF HINDI
KAKATIYA GOVERNMENT COLLEGE

SUBMITTED BY:

1. D. Akhila	B.Z.C-E/M-II	006193423
2. Amreen	"	3405
3. M. Vijay Kumar	"	3455
4. B. Venkanna	"	3411
5. P. Pavan Sai Krishna	"	3468
6. Sai Krishna	"	
7. M. Manoj Reddy.	"	3472

KAKATIYA GOVERNMENT COLLEGE

HANAMKONDA, DIST. WARANGAL (U)

TELANGANA



DEPARTMENT OF HINDI

2019-2020

STUDENT PROJECT

आज की शिक्षा नीति

SUPERVISED BY:

G. LEELAVATHI,

ASST. PROFESSOR OF HINDI
KAKATIYA GOVERNMENT COLLEGE

SUBMITTED BY:

- | | | |
|------------------|------------|-----------|
| 1. E. Premalatha | Bt. 2.C-II | 006193013 |
| 2. R. Mahesh | BZCE/M II | 3343 |
| 3. B. Jyothi | Bt. 2.C-II | 3002 |
| 4. B. Santhosh | " | 3005 |
| 5. L. Upender | Bt. 2.C-II | 3021 |
| 6. R. Ruchitha | " | 3038 |
| 7. B. Kalyani | MZC-II | 3702 |

KAKATIYA GOVERNMENT COLLEGE

HANAMKONDA, DIST. WARANGAL (U)

TELANGANA



DEPARTMENT OF HINDI

2019-2020

STUDENT PROJECT

भारत में बेरोजगारी की समस्या

SUPERVISED BY:

G. LEELAVATHI,

ASST. PROFESSOR OF HINDI
KAKATIYA GOVERNMENT COLLEGE

SUBMITTED BY:

1. M. Meghana	MPC-II	006194001
2. B. Maneeha	"	4002
3. M. Usha Rani	"	4032
4. N. Mahesh	"	4036
5. Ch. Ram Manohar Sandeep	"	4012
6. B. Naveen	"	4008
7. Md. Arshad Patha	"	4035

KAKATIYA GOVERNMENT COLLEGE

HANAMKONDA, DIST. WARANGAL (U)

TELANGANA



DEPARTMENT OF HINDI

2019-20.

STUDENT PROJECT

पर्यावरण-प्रदूषण

SUPERVISED BY:

G. LEELAVATHI,

ASST. PROFESSOR OF HINDI
KAKATIYA GOVERNMENT COLLEGE

SUBMITTED BY:

- | | | |
|---------------------|---------------|-----------|
| 1. B. Nikhil Reddy. | M. St. C- II. | 006194504 |
| 2. Ch. Lavan Kumar | " | 4511 |
| 3. Ch. Rajashekar | " | 4512 |
| 4. D. Naveen Naik | " | 4513 |
| 5. G. Ranadheer | " | 4519 |
| 6. G. Moulika | " | 4522 |
| 7. K. Sai Kumar | " | 4530 |
| 8. K. Sai Praveen. | " | 4531 |

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TELANGANA



DEPARTMENT OF HINDI

2019-2020

STUDENT PROJECT

* आदर्श विद्यार्थी *

SUPERVISED BY:

G. LEELAVATHI,

ASST. PROFESSOR OF HINDI
KAKATIYA GOVERNMENT COLLEGE

SUBMITTED BY:

- | | | |
|-----------------------|--------------|-----------|
| 1. K. Jayasree | B.Com (G)-II | 006192255 |
| 2. K. Sadhiq | B.Com CA-II | 2300 |
| 3. R. Prashanth Kumar | u | 2282 |
| 4. B. Mohan | u | 2211 |
| 5. G. Raghu | u | 2227 |
| 6. P. Rahul Kumar | u | 2559 |
| 7. O. Santhosh Kumar. | u | 2534 |

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HANAMKONDA, DIST. WARANGAL (U)
TELANGANA



DEPARTMENT OF HINDI

2019-20

STUDENT PROJECT

मानव और विज्ञान

SUPERVISED BY:

G. LEELAVATHI,

ASST. PROFESSOR OF HINDI
KAKATIYA GOVERNMENT COLLEGE

SUBMITTED BY:

1. B. Harika	- B. Com CA-II	006192430
2. B. Rekha	"	2434
3. G. Raju	"	2481
4. K. Sudheer	"	2499
5. K. Pavan Kalyan	"	2500
6. Md. Moween	"	2521
7. Md. Sohel	"	2522
8. Najma Kouser.	"	2531

**KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA, WARANGAL (U)**

**STUDENT STUDY PROJECT ON
HINDI KE BAAL SAHITYA EK ADYAYAN**



छात्र अध्ययन परियोजना

हिन्दी के बाल साहित्य :: एक अध्ययन

प्रस्तुतकर्ता

SUBMITTED BY

1. M.D. Sohail B. Com CA II yr 9182044063
2. Sunil B.B.A I yr 8919402461
3. Rohan Kumar B.Com CA I yr 9618567266
4. Abhishek Mishra B.Com CA I yr * * *
5. M.D. Samad B.B.A I yr 9550085448
6. Santhosh B.Com CA II yr 8309782441

पर्यवेक्षक

SUPERVISED BY

**Dr. VODAPALLY MAMATHA
DEPARTMENT OF HINDI**

DEPARTMENT OF MATHEMATICS

**JIGNASA STUDENT STUDY PROJECT-STATE LEVEL
PRESENTATION 2019-20**



Commendable prize (2019-20)



JIGNASA STUDENT STUDY PROJECT-2020

“Solution of Partial Differential Equations by Laplace Technique”

By

N. AISHWARYA

MPCs-II Year

K. MOUNIKA

MPCs-II Year

K. KAVYA

MPCs-II Year

M. ANIL

MPCs-II Year

P. SPANDHANA

MStCs-II Year



Supervised by

D. Venkatesh, Asst.Professor

K. Radhika, Asst.Professor

Department of Mathematics

Kakatiya Government College, Hanamkonda

CERTIFICATE

This is to certify that the Project Report entitled "**Solution of Partial Differential Equations by Laplace Technique**", submitted to the Commissioner of Collegiate Education Hyderabad, for the **JIGNASA-2020** Competition, was carried out by the following students under my guidance.

1. N. AISHWARYA	MPCs-II Year
2. K. MOUNIKA	MPCs-II Year
3. K. KAVYA	MPCs-II Year
4. M. ANIL	MPCs-II Year
5. P. SPANDHANA	MStCs-II Year



Signature of the Guide

**KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA**

STUDENTS' STUDY PROJECT

on

Life History of Srinivasa Ramanujan



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that the project report entitled “**Life History of Srinivasa Ramanujan**” submitted to the Department of Mathematics, Kakatiya Government College, Hanamkonda and it was carried out by the following students under my guidance.

- | | |
|-----------------|---------------|
| 1. B.Pranay | B.Sc. MPC III |
| 2. L.Raju | B.Sc. MPC III |
| 3. N.Soundarya | B.Sc. MPC III |
| 4. T.Shankar | B.Sc. MPC III |
| 5. B.Maheshwari | B.Sc. MPC III |
| 6. D.Bharath | B.Sc. MPC III |
| 7. K.Samyuktha | B.Sc. MPC III |
| 8. G.Prakash | B.Sc. MPC III |
| 9. D.Shiva | B.Sc. MPC III |
| 10. B.Umesh | B.Sc. MPC III |


Supervisor
(M.Radhika)


Incharge


Principal

**KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA**

STUDENTS' STUDY PROJECT

on

Applications of curvature and radius of curvature in real life
situations



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that the project report entitled “**Applications of curvature and radius of curvature in real life situations**” submitted to the Department of Mathematics, Kakatiya Government College, Hanamkonda and it was carried out by the following students under my guidance.

1. G.Sagar B.Sc MPCs III
2. S.Samreen B.Sc MPCs III
3. J.Ruchitha B.Sc MPCs III
4. R.Yakub B.Sc MPCs III
5. T.Kumar B.Sc MPCs III
6. Ch.Praveen B.Sc MPCs III
7. B.Manisha B.Sc MPCs III
8. A.Arun B.Sc MPCs III
9. K.Suresh B.Sc MPCs III
10. P.Pravalika B.Sc MPCs III



Supervisor
(M.Radhika)



Incharge




Principal

CERTIFICATE

This is to certify that the project report entitled "**Matrices and their applications**" submitted to the Department of Mathematics, Kakatiya Government College, Hanamkonda and it was carried out by the following students under my guidance.

1. A.Deepika B.Sc MPCs II
2. B.Ajay B.Sc MPCs II
3. A.Anil B.Sc MPCs II
4. B.Soumya B.Sc MPCs II
5. D.Rajesh B.Sc MPCs II
6. K.Sai B.Sc MPCs II
7. G.Naresh B.Sc MPCs II
8. K.Prema B.Sc MPCs II
9. K.Kavya B.Sc MPCs II
10. N.Anjali B.Sc MPCs II


Supervisor
(D. Venkanna)


Incharge


Principal

**KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA**

STUDENTS' STUDY PROJECT

on

Real life applications of Solid geometry



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that the project report entitled “**Real life applications of Solid geometry**” submitted to the Department of Mathematics, Kakatiya Government College, Hanamkonda and it was carried out by the following students under my guidance.

1. S.Srinivas B.Sc MPCs II
2. S.Sriya B.Sc MPCs II
3. V.Srujana B.Sc MPCs II
4. Sk. Amreen B.Sc MPCs II
5. E.Umesh B.Sc MPCs II
6. Y.Kishan B.Sc MPCs II
7. V.Charan B.Sc MPCs II
8. P.Sindhu B.Sc MPCs II
9. M.Mallaiah B.Sc MPCs II
10. U.Anil B.Sc MPCs II

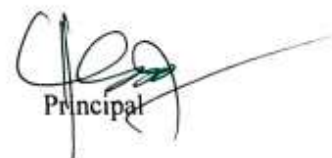


Supervisor

(M.Venugopal)



Incharge



Principal

**KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA**

STUDENTS' STUDY PROJECT

on

Studying different numerical methods for solving first order
differential equations



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that the project report entitled “**Studying different numerical methods for solving first order differential equations**” submitted to the Department of Mathematics, Kakatiya Government College, Hanamkonda and it was carried out by the following students under my guidance.

1. A. Shruti B.Sc MStCs II
2. G. Raghu B.Sc MStCs II
3. P. Ravali B.Sc MStCs II
4. A. Vinay B.Sc MStCs II
5. M. Mohan B.Sc MStCs II
6. K. Srilatha B.Sc MStCs II
7. G. Ranjith B.Sc MStCs II
8. E. Tharun B.Sc MStCs II
9. Ch. Lavan B.Sc MStCs II
10. B. Venkatesh B.Sc MStCs II


Supervisor
(Dr. B. Prabhakar)


Incharge


Principal

**KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA**

STUDENTS' STUDY PROJECT

on

Applications of limits



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that the project report entitled “**Applications of limits**” submitted to the Department of Mathematics, Kakatiya Government College, Hanamkonda and it was carried out by the following students under my guidance.

- | | |
|---------------|-------------|
| 1. E.Vishala | B.Sc MPC II |
| 2. A.Meghana | B.Sc MPC II |
| 3. G.Naveen | B.Sc MPC II |
| 4. Ch.Ramu | B.Sc MPC II |
| 5. M.Shirisha | B.Sc MPC II |
| 6. M.Urvashi | B.Sc MPC II |
| 7. Ch.Pavan | B.Sc MPC II |
| 8. D.Saikumar | B.Sc MPC II |
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| 10. J.Pavan | B.Sc MPC II |


Supervisor

(Dr.B.Prabhakar)


Incharge


Principal

**KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA**

STUDENTS' STUDY PROJECT

on

Interpolation and it's applications



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that the project report entitled "**Interpolation and it's applications**" submitted to the Department of Mathematics, Kakatiya Government College, Hanamkonda and it was carried out by the following students under my guidance.

- | | |
|---------------|------------|
| 1. B.Ramya | BSc MPCs I |
| 2. B.Lokesh | BSc MPCs I |
| 3. A.Rathod | BSc MPCs I |
| 4. A.Kalyan | BSc MPCs I |
| 5. B.Jhansi | BSc MPCs I |
| 6. D.Harish | BSc MPCs I |
| 7. G.Naresh | BSc MPCs I |
| 8. B.Vamshi | BSc MPCs I |
| 9. B.Shirisha | BSc MPCs I |
| 10. D.Komala | BSc MPCs I |


Supervisor

(D.Venkanna)


Incharge


Principal

CERTIFICATE

This is to certify that the project report entitled “Eigen values and Eigen vectors” submitted to the Department of Mathematics, Kakatiya Government College, Hanamkonda and it was carried out by the following students under my guidance.

- | | |
|------------------|------------|
| 1. B.Sheshu | BSc MPCs I |
| 2. D.Lokesh | BSc MPCs I |
| 3. D.Vamshi | BSc MPCs I |
| 4. G.Chinnu | BSc MPCs I |
| 5. H.Jashwanth | BSc MPCs I |
| 6. G.Ramya | BSc MPCs I |
| 7. L.Swarna | BSc MPCs I |
| 8. K.Likith | BSc MPCs I |
| 9. K.Mahesh | BSc MPCs I |
| 10. G.Uday kumar | BSc MPCs I |



Supervisor

M.Venugopal)



Incharge

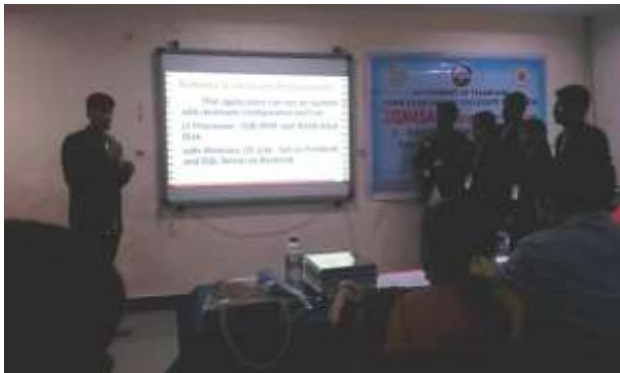


Principal

DEPARTMENT OF COMPUTER SCIENCE

- A Project Report on **Traffic e-Challanas** is submitted to department by **M. Sainath, G. Pruthviraj, R. Shiva kumar, K. Nagaraj, L. Anusha** and **R. Rohini** under the guidance of **D. Rajkumar, T. Ragotham Reddy** and It was selected for state level Competition “**JIGNASA-2019**” held by Commissioner of Collegiate Education, Hyderabad. Students have given a presentation on their project work.

S. No	Date	Conducted through (DRC/JKC/ELF/NCC etc.,	Nature of Activity	Title of the Project	Name(s) of the lecturer(s) involved	No. of students participated
1.	02.2.2019	JIGNASA	Study Projects	Traffic e-Challanas	D. Rajkumar, T. Ragotham Reddy	06





Government of Telangana
Commissionerate of Collegiate Education



Certificate of Participation

Awarded to

L. Anusha - KGC Hanamkonda

for presenting study project on

Traffic E-Challenges.

at

JIGNASA

*3-Day Presentation and Selection Programme
conducted from 2nd to 5th February, 2019.*

Sponsored by

State Project Directorate

Rashtriya Uchchatar Shiksha Abhlyan (RUSA)

Narayana
Programme Coordinator

B. S. R.
Academic Guidance Officer (i/c)

Navin Kulkarni
Commissioner

STUDENT'S STUDY PROJECT REPORT

ON

Leave Application Management System



SUBMITTED BY

1. BOLLAM MANEESHA - HTNO: 006-1B-4402
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This is to certify that the Project Report entitled "Leave Application Management System", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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Assistant Professor in Computer Science,
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Department of Computer Science & Applications


Signature of the Guide

STUDENT'S STUDY PROJECT REPORT

ON

Bus Management System



SUBMITTED BY

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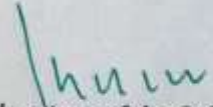

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CERTIFICATE

This is to certify that the Project Report entitled "**Bus Management System**", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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Department of Computer Science & Applications


Signature of the Guide


PRINCIPAL
KAKATIYA GOVT COLLEGE
Hanamkonda.

STUDENT'S STUDY PROJECT REPORT

ON

Electricity Bill Management System



SUBMITTED BY

1. ANAPURAPU ARUN - HTNO: 006-18-4401
B.Sc. (M.P.CS) FINAL YEAR
2. GUGULOTHU SAGAR - HTNO: 006-18-4412
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3. KANDULA HARIKRISHNA - HTNO: 006-18-4417
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4. MANCHOJU SRAVANTHI - HTNO: 006-18-4424
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5. BANOTH SANGULAL - HTNO: 006-18-2408
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6. BHUKYA KOTESH - HTNO: 296-18-2006
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7. CHILUVERU AMARESH - HTNO: 006-18-2416
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Under The Guidance of

SRI D. RAJKUMAR

LECTURER IN COMPUTER SCIENCE

DEPARTMENT OF COMPUTER SCIENCE / APPLICATIONS,

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DIST. WARANGAL URBAN,


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(Affiliated to Kakatiya University)

CERTIFICATE

This is to certify that the Project Report entitled "Electricity Bill Management System", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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5. BANOTH SANGULAL - HTNO: 006-18-2408
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Department of Computer Science & Applications


Signature of the Guide

PRINCIPAL
KAKATIYA GOVT COLLEGE
Hanamkonda.

STUDENT'S STUDY PROJECT REPORT

ON

Courier Management System



SUBMITTED BY

1. **BADAVATH NAVEEN - HTNO: 160-1B-4201**
B.Sc. (M.P.CS) FINAL YEAR
2. **CHITYALA PRAVEEN - HTNO: 006-1B-4406**
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5. **CHINTHA HARITHA - HTNO: 006-1B-2417**
B.COM CA FINAL YEAR
6. **DAMERA APOORVA - HTNO: 296-1B-2420**
B.COM CA FINAL YEAR
7. **DONGARI SUNIL KUMAR - HTNO: 515-1B-2212**
B.COM CA FINAL YEAR

Under The Guidance of

SRI D. RAJKUMAR

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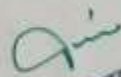

KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA, DIST. WARANGAL URBAN.
(Affiliated to Kakatiya University)

CERTIFICATE


This is to certify that the Project Report entitled "Courier Management System", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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Name & Address of the Guide
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Lecturer in Computer Science,
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Department of Computer Science & Applications



PRINCIPAL
KAKATIYA GOVT COLLEGE
Hanamkonda.

 Signature of the Guide

STUDENT'S STUDY PROJECT REPORT

ON

Medical Store Management System



SUBMITTED BY

1. GOTTE PRASHANTH – HTNO: 006-18-4410
B.Sc. (M.P.CS) FINAL YEAR
2. BANOTH ARAVIND – HTNO: 006-18-2407
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4. GUDELLI RAJESH – HTNO: 006-18-2427
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5. JANNU NAVEENA – HTNO: 006-18-2434
B.COM CA FINAL YEAR
6. KOMARAM PRIYANKA – HTNO: 006-18-2441
B.COM CA FINAL YEAR
7. MADHURI PAVANI – HTNO: 006-18-2448
B.COM CA FINAL YEAR
8. MAMIDI AISHWARYA – HTNO: 006-18-2451
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Under The Guidance of

SRI V. RAMESH

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DEPARTMENT OF COMPUTER SCIENCE / APPLICATIONS,

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CERTIFICATE

This is to certify that the Project Report entitled " **Medical Store Management System**", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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B.COM CA FINAL YEAR
3. DASARI KRISHNA VAMSHI - HTNO: 006-18-2421
B.COM CA FINAL YEAR
4. GUDELLI RAJESH - HTNO: 006-18-2427
B.COM CA FINAL YEAR
5. JANNU NAVEENA - HTNO: 006-18-2434
B.COM CA FINAL YEAR
6. KOMARAM PRIYANKA - HTNO: 006-18-2441
B.COM CA FINAL YEAR
7. MADHURI PAVANI - HTNO: 006-18-2448
B.COM CA FINAL YEAR
8. MAMIDI AISHWARYA - HTNO: 006-18-2451
B.COM CA FINAL YEAR

Name & Address of the Guide
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Department of Computer Science & Applications


PRINCIPAL
KAKATIYA GOVT COLLEGE
Hanamkonda.


Signature of the Guide

STUDENT'S STUDY PROJECT REPORT

ON

Online Food Ordering System



SUBMITTED BY

1. JANGAPALLY PAVANKUMAR – HTNO: 006-18-2432
B.COM CA FINAL YEAR
2. KODIDALA RAJASHEKER – HTNO: 006-18-2440
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Under The Guidance of

SRI V. RAMESH

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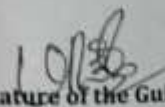
CERTIFICATE

This is to certify that the Project Report entitled " **Online Food Ordering System**", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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Name & Address of the Guide
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Hanamkonda.


Signature of the Guide

STUDENT'S STUDY PROJECT REPORT

ON

Online Shopping System



SUBMITTED BY

1. BANOTH VIJAY – HTNO: 006-18-2409
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2. KATTA MADHURI – HTNO: 006-18-2439
B.COM CA FINAL YEAR
3. MAHAMMAD AZMATH – HTNO: 006-18-2449
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4. PINDI MADHU KUMAR – HTNO: 580-18-2027
B.COM CA FINAL YEAR
5. SHIRAMSHETTI THRIVENI – HTNO: 006-18-2466
B.COM CA FINAL YEAR
6. SHIVARATHRI RAKESH – HTNO: 006-18-2469
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7. SRIRAM VAMSHIKRISHNA – HTNO: 006-18-2470
B.COM CA FINAL YEAR
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This is to certify that the Project Report entitled " **Online Shopping System**", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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B.COM CA FINAL YEAR
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STUDENT'S STUDY PROJECT REPORT

ON

MOVIE TICKET BOOKING



SUBMITTED BY

1. APPANI VENKATESH – HTNO: 006-1B-4201
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B.Sc. (M.P.CS) FINAL YEAR
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CERTIFICATE

This is to certify that the Project Report entitled " **Movie Ticket Booking** ", submitted to the Kakatiya Government College, Hanamkonda, Department of Computer Science & Applications was carried out by the following students under my guidance.

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STUDENT'S STUDY PROJECT REPORT

ON

ATTENDANCE MANAGEMENT SYSTEM



SUBMITTED BY

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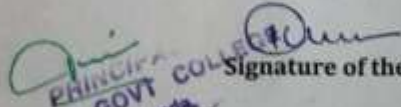


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CERTIFICATE

This is to certify that the Project Report entitled " **Attendance Management System** ", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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ON

ONLINE CLASS MANAGEMENT SYSTEM



SUBMITTED BY

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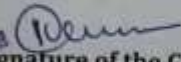

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This is to certify that the Project Report entitled " **Online Class Management System** ", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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STUDENT'S STUDY PROJECT REPORT
ON
ONLINE GAS BOOKING MANAGEMENT SYSTEM



SUBMITTED BY

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Under The Guidance of

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CERTIFICATE


This is to certify that the Project Report entitled " **Online Gas Booking Management System** ", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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Hanamkonda


Signature of the Guide

STUDENT'S STUDY PROJECT REPORT

ON

PAYROLL MANAGEMENT SYSTEM



SUBMITTED BY

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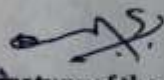

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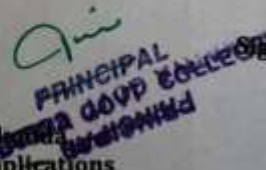
CERTIFICATE

This is to certify that the Project Report entitled " **Payroll Management System** ", submitted to the Kakatiya Government College, Hanamkonda. Department of Computer Science & Applications was carried out by the following students under my guidance.

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3. SHAIK ASRA- HTNO: 006-18-4434
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4. THOGITI BHASKAR - HTNO: 006-18-4438
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Signature of the Guide


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DEPARTMENT OF PHYSICS

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(Affiliated to Kakatiya University, Warangal)



STUDENT STUDY PROJECT on

*“Determination of refractive index of various liquids
using Newton’s rings”*

B.MEGHANA	B. VENKATESH	CH. RUCHITHA REDDY.
CH.PAVAN	D.PURNIMA	G.VASAVI
J.PAVAN	K.NARENDRA	M.USHARANI
M.KIRANMAI	P.SHIVA KRISHNA	CH.RAMU

DEPARTMENT OF PHYSICS

DECLARATION

We, the undersigned students declare that the project entitled, *"Determination of refractive index of various liquids using Newton's rings"* submitted to Department of Physics, Kakatiya Government College, Hanamkonda, this project work is our original work.

PARTICIPANTS

B.MEGHANA- B.Sc.(MPCs) – II yr.
B. VENKATESH - B.Sc.(MPCs) – II yr.
CH. RUCHITHA REDDY - B.Sc.(MPCs) – II yr.
CH.PAVAN- B.Sc.(MPCs) – II yr.
D.PURNIMA- B.Sc.(MPCs) –II yr.
G.VASAVI- B.Sc.(MPCs) –II yr.
J.PAVAN - B.Sc.(MPCs) – II yr.
K.NARENDRA - B.Sc.(MPCs) – II yr.
M.USHARANI - B.Sc.(MPCs) – II yr.
M.KIRANNAL - B.Sc.(MPCs) – II yr.
P.SHIVA KRISHNA - B.Sc.(MPCs) – II yr.
CH.RAMU - B.Sc.(MPCs) – II yr.


Assistant Professor in Physics
Kakatiya Government College,
Hanamkonda, Warangal (T) - 508 001


In-charge
Department of Physics
Kakatiya Government College,
HANAMKONDA

CERTIFICATE FROM THE MENTOR

This is to certify that the project entitled, "***Determination of refractive index of various liquids using Newton's rings***" is a bonafied record of independent work done by the students under our supervision. It is submitted to the Department of Physics.

Date: 3.3.2022

Hanamkonda



Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (T) - 508 001



Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

2019-20

**KAKATIYA GOVT. COLLEGE, HANAMKONDA,
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(Affiliated to Kakatiya University, Warangal)



STUDENT STUDY PROJECT on

"A study of Effect of temperature on Viscosity of various liquids"

CH.MANASWITHA	P.DEEPIKA	B.RAJESH
A.ARUN KUMAR	CH.OMKAR	D.SHIVANI
M.SINDHUA	A.ARUN	G.HANUMAN
P.VENKATESH	PROGRAMME: B.Sc.(MPC) - I yr	

DEPARTMENT OF PHYSICS

CERTIFICATE FROM THE MENTOR

This is to certify that the project entitled, "*A study of Effect of temperature on Viscosity of various liquids*" is a bonafied record of independent work done by the students under our supervision. It is submitted to the Department of Physics.

Date: 9-9-2019

Hanamkonda

Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001

Incharge

Department of Physics
Kakatiya Government College
HANAMKONDA

DECLARATION

We, the undersigned students declare that the project entitled, "*A study of Effect of temperature on Viscosity of various liquids*" submitted to Department of Physics, Kakatiya Government College, Hanamkonda, this project work is our original work.

PARTICIPANTS

CH.MANASWITHA - B.Sc.(MPC) - 1 yr.
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A.ARUN KUMAR- B.Sc.(MPC) - 1 yr.
CH.OMKAR- B.Sc.(MPC) - 1 yr.
D.SHIVANI- B.Sc.(MPC) - 1yr.
M.SINDHUJA - B.Sc.(MPC) - 1 yr.
A.ARUN- B.Sc.(MPC) - 1 yr
G.HANUMAN- B.Sc.(MPC) - 1 yr
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2019-20

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STUDENT STUDY PROJECT on
“Cauchy’s constant”

A.MEGHANA	RAJKUMAR	CH.PAVAN
G.CHANDU	G.SANDEEP	K.UGENDER
M.USARANI	CH.RAMU	CH.ANAND
G.VASAVI	M.SAMPATH	P.ARUN
Programme: B.Sc.(MPCs) - IYr.		

**DEPARTMENT OF PHYSICS
K. G. C., HANAMKONDA**

DECLARATION

We, the undersigned students declare that the project entitled, "*Cauchy's constant*" submitted to Department of Physics, Kakatiya Government College, Hanamkonda, this project work is our original work.

PARTICIPANTS

A.MEGHANA -	B.Sc.(MPCs) - II yr.
B.RAJKUMAR -	B.Sc.(MPCs) - II yr.
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G.CHANDU-	B.Sc.(MPCs) - II yr.
G.SANDEEP-	B.Sc.(MPCs) - II yr.
K.UGENDER-	B.Sc.(MPCs) - I yr.
M.USHARANI-	B.Sc.(MPCs) - II yr.
CH.RAMU-	B.Sc.(MPCs) - II yr.
CH.ANAND-	B.Sc.(MPCs) - II yr.
G.VASAVI-	B.Sc.(MPCs) - II yr.
M.SAMPATH-	B.Sc.(MPCs) - II yr.
P.ARUN-	B.Sc.(MPCs) - II yr.


Assistant Professor of Physics
Kakatiya Government College,
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Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

CERTIFICATE FROM THE MENTOR

This is to certify that the project entitled, “ *Cauchy’s constant* ” is a bonafied record of independent work done by the students under our supervision. It is submitted to the Department of Physics.

Date: 17-2-2020

Hanamkonda


B. Satyanarayana
Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

2019-20

**KAKATIYA GOVT. COLLEGE, HANAMKONDA,
DIST: WARANGAL (U) – TELANGANA - 506001**
(Affiliated to Kakatiya University, Warangal)



STUDENT STUDY PROJECT on

“Determination of thickness of human hair by wedge method”

P.KARTHIK	S.UMESH	R.SRIJA
G.NAVEEN	J.ANITHA	J.PRAVEEN
V.SRIKANTH	N.RAMESH	K.RAJENDER
D.PURNIMA	S.BHARGAV RAJ	V.UDAY KIRAN
V.VENKATA RAJESH	M.MARSHAD PASHA	
Programme: B.Sc.(MPCs) – II yr		

**DEPARTMENT OF PHYSICS
K .G. C., HANAMKONDA**

DECLARATION

We, the undersigned students declare that the project entitled, "*Determination of thickness of human hair by wedge method*" submitted to the Department of Physics, Kakatiya Government College, Hanamkonda, this project work is our original work.

PARTICIPANTS

P.KARTHIK - B.Sc.(MPCs) - II yr.
S.UMESH - B.Sc.(MPCs) - Ilyr.
R.SRIJA- B.Sc.(MPCs) - Ilyr.
G.NAVEEN- B.Sc.(MPCs) - II yr.
J.ANITHA- B.Sc.(MPCs) - II yr.
J.PRAVEEN- B.Sc.(MPCs) -Ilyr.
V.SRIKANTH - B.Sc.(MPCs) - II yr.
N.RAMESH- B.Sc.(MPCs) - II yr.
K.RAJENDER- B.Sc.(MPCs) - II yr.
D.PURNIMA- B.Sc.(MPCs) - II yr.
S.BHARGAV RAJ- B.Sc.(MPCs) - II yr.
V.UDAY KIRAN- B.Sc.(MPCs) - II yr.
V.VENKATA RAJESH- B.Sc.(MPCs) - II yr.
M.ARSHAD PASHA- B.Sc.(MPCs) - II yr.


Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

CERTIFICATE FROM THE MENTOR

This is to certify that the project entitled, "*Determination of thickness of human hair by wedge method*" is a bonafied record of independent work done by the students under our supervision. It is submitted to the Department of Physics.

Date: 9-3-2020

Hanamkonda


M. MASOOD AHMED
Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

19-20.

**KAKATIYA GOVT. COLLEGE, HANAMKONDA,
DIST: WARANGAL(U) – TELANGANA - 506001**

(Affiliated to Kakatiya University, Warangal)



STUDENT STUDY WORK on

*“Determination of acceleration due to gravity with
different pendulums –A comparative study”*

A.ROHITH	A.SHIVA SMITHA	B.JAVEEN BABU
CH.MANASA	E.DEEPIKA	E.ASHOK
G.SANDEEP	K.KISHORE KUMAR	K.BHARATH CHANDRA
K.SOUJANAYA	M.PRAVALIKA	N.RAKESH
V.AKHIL	J.RAJESH	S.NITHISH KUMAR
B.Sc.(MPCs) – I yr		

DEPARTMENT OF PHYSICS

DECLARATION

We, the undersigned students declare that the project entitled, "*Determination of acceleration due to gravity with different pendulums -A comparative study*" submitted to Department of Physics, Kakatiya Government College, Hanamkonda, this project work is our original work.

PARTICIPANTS

A.ROHITH- B.Sc.(MPCs) – I yr.
A.SHIVA SMITHA - B.Sc.(MPCs) – Iyr.
B.JAVEEN BABU- B.Sc.(MPCs) – Iyr.
CH.MANASA- B.Sc.(MPCs) – I yr.
E.DEEPIKA- B.Sc.(MPCs) – I yr.
E.ASHOK- B.Sc.(MPCs) – Iyr.
G.SANDEEP - B.Sc.(MPCs) – I yr.
K.KISHORE KUMAR- B.Sc.(MPCs) – I yr.
K.BHARATH CHANDRA- B.Sc.(MPCs) – I yr.
K.SOUJANAYA- B.Sc.(MPCs) – I yr.
M.PRAVALIKA- B.Sc.(MPCs) – I yr.
N.RAKESH- B.Sc.(MPCs) – I yr.
S.NITHISH KUMAR- B.Sc.(MPCs) – I yr.
V.AKHIL- B.Sc.(MPCs) – I yr.
J.RAJESH- B.Sc.(MPCs) – I yr.


Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

CERTIFICATE FROM THE MENTOR

This is to certify that the project entitled, "*Determination of acceleration due to gravity with different pendulums - A comparative study*" is a bonafied record of independent work done by the students under our supervision. It is submitted to the Department of Physics.

Date: 5-8-2019

Hanamkonda


Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

2019-20

**KAKATIYA GOVT. COLLEGE, HANAMKONDA,
DIST: WARANGAL(U) – TELANGANA - 506001**

(Affiliated to Kakatiya University, Warangal)



STUDENT PROJECT WORK on
*"A study on specific rotation of different solvents using
polarimeter"*

B.MANEESHA	B.RAJASHEKAR	P.SHIVA KRISHNA
R.DURGA PRASAD	P.SAIBABU	P.PRANAV KUMAR
N.MAHESH	M.SAJEERA BAIG	M.SALLAUDDIN
K.NARENDER	J.PRAVEEN	CH.RAMMOHAN SANDEEP
Programme: B.Sc.(MPCs) – II yr		

DEPARTMENT OF PHYSICS

DECLARATION

We, the undersigned students declare that the project entitled, "*A study of specific rotation of different solvents using polarimeter*" submitted to Department of Physics, Kakatiya Government College, Hanamkonda, this project work is our original work.

PARTICIPANTS

B.MANEESHA - B.Sc.(MPC) - Ilyr.
B.RAJASHEKAR- B.Sc.(MPC) - Ilyr.
P.SHIVA KRISHNA B.Sc.(MPC) - Ilyr.
R.DURGA PRASAD- B.Sc.(MPC) - Ilyr.
P.SAIBABU- B.Sc.(MPC) - Ilyr.
P.PRANAV KUMAR -B.Sc.(MPC) - Ilyr.
N.MAHESH - B.Sc.(MPC) - Ilyr.
M.SAJEERA BAIG B.Sc.(MPC) - Ilyr.
M.SALLAUDDIN B.Sc.(MPC) - Ilyr.
K.NARENDER B.Sc.(MPC) - Ilyr.
J.PRAVEEN B.Sc.(MPC) - Ilyr.
CH.RAMMOHAN SANDEEP B.Sc.(MPC) - Ilyr.


Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (T) - 506 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA


CERTIFICATE FROM THE MENTOR

This is to certify that the project entitled, "*A study of specific rotation of different solvents using polarimeter*" is a bonafied record of independent work done by the students under our supervision. It is submitted to the Department of Physics.

Date: 10-2-2020

Hanamkonda


Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

2019-20

**KAKATIYA GOVT. COLLEGE, HANAMKONDA,
DIST: WARANGAL(U) – TELANGANA - 506001**

(Affiliated to Kakatiya University, Warangal)



STUDENT PROJECT WORK on

*"Determination of surface tension of different liquids by
capillary rise method"*

A.VINOD KUMAR - B.Sc.(MPCs) – 1 yr.
B.DEEPIKA - B.Sc.(MPCs) – 1yr.
CH.OMKAR- B.Sc.(MPCs) – 1yr.
D.RAJESH- B.Sc.(MPCs) – 1 yr.
D.SHIVANI- B.Sc.(MPCs) – 1 yr.
G.DEEPIKA- B.Sc.(MPCs) – 1yr.
G.SANDEEP - B.Sc.(MPCs) – 1 yr.
G.NAVEEN- B.Sc.(MPCs) – 1 yr
K.PAVAN- B.Sc.(MPCs) – 1 yr
M.ASHOK- B.Sc.(MPCs) – 1 yr
N.ANUSHA- B.Sc.(MPCs) – 1 yr
N.RAKESH- B.Sc.(MPCs) – 1 yr

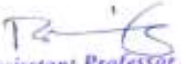
DEPARTMENT OF PHYSICS

DECLARATION

We, the undersigned students declare that the project entitled, "*Determination of surface tension of different liquids by capillary rise method*" submitted to Department of Physics, Kakatiya Government College, Hanamkonda, this project work is our original work.

PARTICIPANTS

A.VINOD KUMAR - B.Sc.(MPCs) - 1 yr.
B.DEEPIKA - B.Sc.(MPCs) - 1yr.
CH.OMKAR- B.Sc.(MPCs) - 1yr.
D.RAJESH- B.Sc.(MPCs) - 1 yr.
D.SHIVANI- B.Sc.(MPCs) - 1 yr.
G.DEEPIKA- B.Sc.(MPCs) - 1yr.
G.SANDEEP - B.Sc.(MPCs) - 1 yr.
G.NAVEEN- B.Sc.(MPCs) - 1 yr
K.PAVAN- B.Sc.(MPCs) - 1 yr
M.ASHOK- B.Sc.(MPCs) - 1 yr
N.ANUSHA- B.Sc.(MPCs) - 1 yr
N.RAKESH- B.Sc.(MPCs) - 1 yr


Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 505 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA


CERTIFICATE FROM THE MENTOR

This is to certify that the project entitled, "***Determination of surface tension of different liquids by capillary rise method***" is a bonafied record of independent work done by the students under our supervision. It is submitted to the Department of Physics.

Date: 19-8-2019

Hanamkonda


Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

2019-20

**KAKATIYA GOVT. COLLEGE, HANAMKONDA,
DIST: WARANGAL(U) – TELANGANA - 506001**

(Affiliated to Kakatiya University, Warangal)



STUDENT PROJECT WORK on
*“Statistical error analysis for different physical
measurements”*

K.RAJANIKANTH - B.Sc.(MPC) – I yr.
J.RAMESH - B.Sc.(MPC) – I yr.
V.AKHIL- B.Sc.(MPC) – I yr.
V.BHARGAVI- B.Sc.(MPC) – I yr.
T.KALYAN- B.Sc.(MPC) – I yr.
SK.ADAR- B.Sc.(MPC) – I yr.
P.DEEPIKA - B.Sc.(MPC) – I yr.
P.MAHENDER- B.Sc.(MPC) – I yr.
P.SHEKAR- B.Sc.(MPC) – I yr.
K.AJAY- B.Sc.(MPC) – I yr.
K.CHANDER- B.Sc.(MPC) – I yr.

DEPARTMENT OF PHYSICS

CERTIFICATE FROM THE MENTOR

This is to certify that the project entitled, "***Statistical error analysis for different physical measurements***" is a bonafied record of independent work done by the students under our supervision. It is submitted to the Department of Physics.

Date: 19-8-2019

Hanamkonda


Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

DECLARATION

We, the undersigned students declare that the project entitled, "*Statistical error analysis for different physical measurements*" submitted to Department of Physics, Kakatiya Government College, Hanamkonda, this project work is our original work.

PARTICIPANTS

K.RAJANIKANTH - B.Sc.(MPC) – I yr.

J.RAMESH - B.Sc.(MPC) – Iyr.

V.AKHIL- B.Sc.(MPC) – Iyr.

V.BHARGAVI- B.Sc.(MPC) – I yr.

T.KALYAN- B.Sc.(MPC) – I yr.

SK.ADAR- B.Sc.(MPC) – Iyr.

P.DEEPIKA - B.Sc.(MPC) – I yr.

P.MAHENDER- B.Sc.(MPC) – I yr.

P.SHEKAR- B.Sc.(MPC) – I yr.

K.AJAY- B.Sc.(MPC) – I yr.

K.CHANDER- B.Sc.(MPC) – I yr.



Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001



Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

Kakatiya Government Degree College, Hanamkonda

STUDENT PROJECT WORK

Name of the Project :- Effect of Radiation

Class

:- M.P.Cs - II year

Section - 'C'

III - Semester.

Academic Year :- 2019 - 2020

Name of the Students :- S. Shashikala

R. Sravani

S. Ravi Varma


V. Vineeth

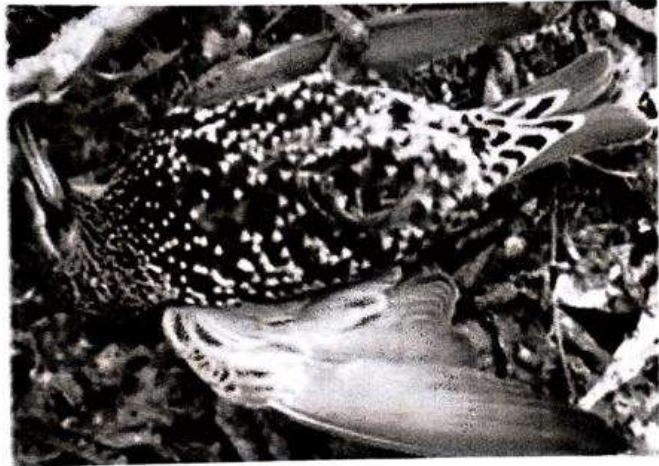
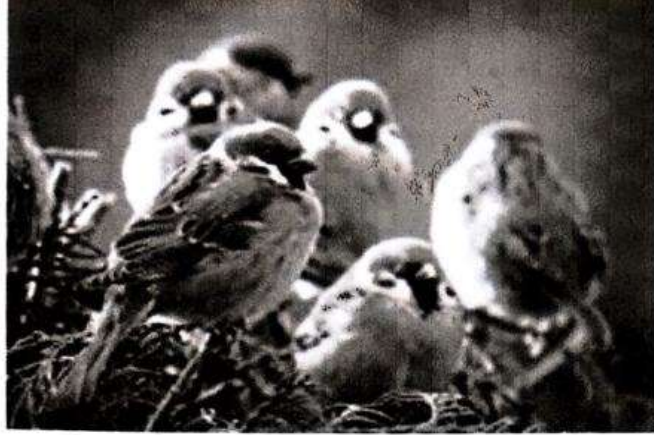
Guided by

Dr. M. Vengal Reddy

Asst. Prof. of Physics


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA


Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001



Assistant Professor of Physics
Makatiya Government College,
Hanamkonda, Warangal (U) - 506 007

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Makatiya Government College
HANAMKONDA

Radiation Effect.

- * Radiation is the emission or transmission of energy in the form of waves or particles through space or through a material medium.
- * This includes gravitational radiation, radiation that takes the form of gravitational waves, or ripples in the curvature of spacetime.
- * Exposure to very high levels of radiation, such as being close to atomic blast, can cause acute health effects such as skin burns and acute radiation syndrome. It can also result in long-term health effects, such as, cancer and Cardiovascular disease.

Examples:

- 1) Ultraviolet light from the sun.
- 2) Heat from a stove burner.
- 3) visible light from a candle.
- 4) sound waves from your stereo.
- 5) microwaves from a microwave oven.

Kakatiya Govt

College

Hanamkonda

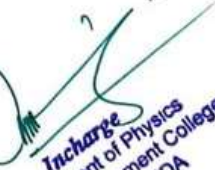
Student project work

Topic :- Artificial Intelligence

Academic year :- 2019-2020

Class :- B.Sc (MPC) - Ist year.


Assistant Professor of Physics
Kakatiya Government College
Hanamkonda, Warangal (U) - 508 001


Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

Topic : Artificial Intelligence (AI)

Names of the
Students in : 1. Ch. Manaswitha

2. P. Deepika

3. M. Pravalika

4. A. Akhila

5. D. Shivaji

6. B. Vamshi

7. G. Hanuman

8. B. Rajesh

9. A. Arun

10. E. Ashok

Guided by :- Dr. M. Vengal Reddy

Asst prof of physics



Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA



Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001

In its short existence, AI has increased the understanding of the nature of intelligence and provided an impressive array of application in a wide range of areas. It has sharpened understanding of human reasoning, and of the nature of intelligence in general. At the same time, it has revealed the complexity of modeling human reasoning providing new areas and rich challenges for the future. There are many advantages that artificial intelligence provide like tutoring, grading, any personalization in education, feedback on course quality, immediate feedback to students.

"Our intelligence is what makes us human, and AI is an extension of that quality."
— Yann LeCun Professor.

Telangana has declared 2020 as the Year of Artificial Intelligence (AI).



[Signature]
Assistant Professor of Physics
Kakatiya Government College,
Hanamkonda, Warangal (U) - 506 001

[Signature]
Incharge
Department of Physics
Kakatiya Government College
HANAMKONDA

DEPARTMENT OF CHEMISTRY

**COMMISSIONERATE OF COLLEGIATE EDUCATION
GOVERNMENT OF TELANGANA**

JIGNASA - STUDENT STUDY PROJECT

Synthesis, spectral characterization of mononuclear copper (II) complex and antimicrobial studies with 2-((E)-(5-cyclohexyl-2-methoxyphenylimino)methyl)phenol

By

1. G. Nikhil Krishna, MPC-III (006-18-4118)
2. G. Uday Kiran, BtBZC-III (006-18-3610)
3. M. Roshini, MZC-II (006-19-3709)
4. CH. Om Shireesh, MPC-II (006-19-4038)
5. V. Kalyani, BtBC-III (006-19-3026)
6. P. ArunRaj, BtBC-III (006-19-3019)
7. M. Pravalika, MPC-I (006-20-403)
8. S. Gayathri, MBC-I (006-20-3910)
9. G. Vinay, MBC-I (006-20-3901)
8. N. Praveen, MBC-I (006-20-3907)

Supervised by

K. JAGADESH BABU, Asst. Professor
Dr. B. RAMESH, Asst. Professor



**DEPARTMENT OF CHEMISTRY
KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA**

(Re-Accredited by NAAC with 'A' grade)

HANAMKONDA, WARANGAL(U)

January, 2020

Student study project

**SYNTHESIS AND BIOLOGICAL ACTIVITIES OF SCHIFF BASE
COMPLEXES OF COPPER: A STUDY**

SUBMITTED BY:-

K.Praveen	BZC-1	006203405
B.Ganesh	BZC-1	006203415
B.Sandeep	BZC-1	006203437
T.Vineetha	BZC-1	006203541
P.Gouthami	BZC-1	006203522
K.Amsha	BZC-1	006203479
P.Manasa	BZC-1	006203901
D.Narash	BZC-1	006203001
Ch.Sahiron	BZC-1	006203429
J.Shalender	BZC-1	006203472

UNDER THE GUIDANCE OF

Dr. RAVULA MOGLI



**DEPARTMENT OF CHEMISTRY
KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA**



DEPARTMENT OF CHEMISTRY
KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA

(Re-Accredited by NAAC with 'A' grade)

HANAMKONDA, WARANGAL(U)

STUDENT STUDY PROJECT (2019-20)

Synthesis, spectral characterization of mononuclear Nickel (II) complex and with 2-((E)-(5-cyclohexyl-2-methoxyphenylimino)methyl)phenol

By

1. A.Amreen, BZC (006-18-3303)
2. B. Sahithi, BZC (006-18-3305)
3. D.Sumukhi, BZC (006-18-3303)
4. G.Manasa, BZC (006-18-3312)
5. G. Suhasini, BZC (006-18-3313)
6. M. Kalpana, BZC (006-18-3323)
7. M. Sravani, BZC (006-18-3330)
8. P. Sravani, BZC (006-18-3341)
9. Md. Anees parveez, BZC (006-18-3328)
- 10.E.Sindura , BZC (006-18-3311)

Supervised by

K. JAGADESH BABU

KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA

2019-20



STUDENT STUDY PROJECT ON
DETERMINATION OF WEIGHT OF POLYMERS BY OSMOMETRY

Submitted by

S.NO.	Hall Ticket No.	Group	Name of the student
1	006-18-3310	III BZC EM	D. Yamana
2	006-18-3312	III BZC EM	G. Manasa
3	006-18-3316	III BZC EM	K. Surya
4	006-18-3323	III BZC EM	M. Kalpana
5	006-18-3326	III BZC EM	M. Vamsi
6	006-18-3330	III BZC EM	M. Shravani
7	006-18-4102		AVinay Kumar
8	006-18-4107		B. Umesh
9	006-18-4119		Y. Srikanth
10	006-18-4125		L. Raju

Under the guidance of

Dr. VASAM SREENIVAS
Asst. Prof. of Chemistry
Kakatiya Govt. College, Hanamkonda

DEPARTMENT OF CHEMISTRY

Kakatiya Government College, Hanamkonda

(Accredited with NAAC 'A' Grade)



2019-20

Student Study project on

Qualitative analysis of Aspirin molecule in generic tablet

S.NO.	Hall Ticket No.	Group	Name of the student
1	006193205	II BZC TM	Ch. Bharath
2	006193209	II BZC TM	E. Bhavani
3	006193227	II BZC TM	M. Santhosha
4	006184126	III MPC EM	M. Raja Shekar
5	006184105	III MPC EM	B. Rajesh
6	006181418	III MPC EM	G. Nikhil Krishna
7	006193224	II BZC TM	M. Anil kumar
8	006193238	II BZC TM	S. Pradeep
9	006194001	II MPC EM	A. Meghana
10	006193018	II MPC EM	Ch. Om Shireesh

Supervised by

Dr. Poodari Sumalatha

Assistant Professor of Chemistry

DEPARTMENT OF CHEMISTRY
Kakatiya Government College, Hanamkonda
(Accredited with NAAC 'A' Grade)



2019-20

Student Study project on
Food adulteration

S.NO.	Hall Ticket No.	Group	Name of the student
1	006193106	II BtBC EM	B. Abhisha
2	006193128	II BtBC EM	N. Sumabindu
3	006193135	II BtBC EM	S. Rasagnya
4	006193137	II BtBC EM	T. Abhilesh
5	006193138	II BtBC EM	T. Jhansi
6	006193139	II BtBC EM	V. Rakesh
7	006193006	II BtZC EM	B. Veeranna
8	006193013	II BtZC EM	Premalatha
9	006193016	II BtZC EM	G. Arun kumar
10	006193019	II BtZC EM	K. Ranjith

Supervised by

K. Vani

Assistant Professor of Chemistry

DEPARTMENT OF CHEMISTRY

Kakatiya Government College, Hanamkonda

(Accredited with NAAC 'A' Grade)



2019-20

Student Study project on

An assessment of RO water plants in Warangal Urban district

S.NO.	Hall Ticket No.	Group	Name of the student
1	006194001	II MPC EM	A. Meghana
2	006194009	II MPC EM	Ch. Ramu
3	006194018	II MPC EM	G. Chandu
4	006194021	II MPC EM	G. Vasavi
5	006194033	II MPC EM	M. Kiranmai
6	006194015	II MPC EM	D. Poornima
7	006183318	III BZC EM	D. Sumukhi
8	006183316	III BZC EM	K. Surya
9	006183323	III BZC EM	M. Kalpana
10	006183349	III BZC EM	T. Vishnu

Supervised by

Dr. Poodari Sumalatha

Assistant Professor of Chemistry

DEPARTMENT OF CHEMISTRY

Kakatiya Government College, Hanamkonda

(Accredited with NAAC 'A' Grade)



2019-20

Student Study project on

Content of cool drinks available in the market

BY

S.NO.	Hall Ticket No.	Group	Name of the student
1	006193203	II BZC TM	B. Suman
2	006193204	II BZC TM	C. Ramya
3	006193205	II BZC TM	Ch. Bharat
4	006193209	II BZC TM	E. Bhavani
5	006193210	II BZC TM	G. Rakesh
6	006193211	II BZC TM	G. Shashipreetam
7	006193222	II BZC TM	K. Madhu
8	006193224	II BZC TM	M. Anil kumar
9	006193238	II BZC TM	S. Pradeep

Supervised by

K. Vani

Assistant Professor of Chemistry

DEPARTMENT OF BOTANY

Student Project

STUDENT FIELD PROJECT

TITLE : CRUDE DRUG COLLECTION AND IDENTIFICATION

SUPERVISOR : Dr. K OMKAR

STUDENTS LIST

1. G. SANDEEP, B.Sc., B.Z.C. -I yr
2. K. SAITEJA, B.Sc., B.Z.C. -I yr
3. M. MANOJ REDDY, B.Sc B.Z.C. -I yr
4. K. ARJUN, B.Sc B.Z.C. -I yr
5. G. SUMATHI, B.Sc M.B.C. -I yr
6. G. PREETHI, B.Sc M.B.C. -I yr



DEPARTMENT OF BOTANY
KAKATIYA GOVERNMENT COLLEGE
Hanamkonda, Telangana State

CERTIFICATE

This is to certify that the work incorporated in this project entitled "**Crude drug Collection and Identification**" has been carried out by B.Sc. second year students under the guidance of Dr.K.Omkar, Assistant Professor of Botany.

I further certify that the project work done by the students is original, the assistance and help taken during the project work and source of literature is fully acknowledged.

Supervisor

In - charge, Dept. of Botany

Principal

ACKNOWLEDGEMENTS

1. It is our immense pleasure to acknowledge the personal interest, invaluable guidance of our teacher Dr.K.Omkar, Asst. Prof. of Botany, Kakatiya Government College, Hanamkonda for completion of the study project.
2. We also thanks to our Principal Dr. K.Mallesham for his support and encouragement.
3. We are also thankful to my classmates for their encouragement.

CONTENTS

1. Crude drugs-Introduction
2. Types
3. Sources of Natural drugs
4. Collections
5. Labelling with all details

CRUDE DRUGS INTRODUCTION

Crude drugs are plant or animal origin found in raw form, and these drugs contain natural substances that have undergone only the processes of collection and drying. They are used as medicine for humans and animals, internally and externally for use in the diagnosis, cure, mitigation, treatment, or prevention of disease in humans or other animals. Most of the crude drugs used in medicine are obtained from plants, and only a small number comes from animal and mineral kingdoms.

TYPES

Drugs are organized or unorganized. Organized drugs are direct parts of plants and consist of cellular tissues. Unorganized drugs, even though prepared from plants are not the direct parts of plants and are prepared by some intermediary physical processes, such as incision, drying or extraction with water and do not contain cellular tissue. Thus aloe, opium, catechu, gums, resins and other plant exudates are unorganized drugs.

Sources of Natural Drugs

The following are the natural sources of Drugs:

- Biological sources (i.e. from Terrestrial and Marine living things)
 - Plants
 - Animals
 - Microorganisms: Fungi, Algae, Bacteria
- Mineral sources
- Biotechnology: Tissue culture/ Recombinant DNA Technology

Plant Sources:

Plant source is the oldest source of drugs. Most of the drugs in ancient times were derived from plants. Almost all parts of the plants are used

- Leaves,
- Stem,
- Bark,
- Fruits
- Roots.



Scientific name: *Withania somnifera*

Family: Solanaceae

Local name: Ashwaganda

Useful Part: Roots

Medicinal uses:



Scientific name: *Terminalia chebula*

Family: Combretaceae

Useful parts: Fruits

Uses: Laxative, used in Triphal



Scientific name: *Terminalia bellerica*

Family: Combretaceae

Useful parts: Fruits

Uses: Laxative, used in Triphal



Scientific name: *Phyllanthus emblica*

Family: Euphorbiaceae

Useful parts: Fruits

Uses: Laxative, Source of Vit-C, used in Triphala



Scientific name: *Piper nigrum*

Family: Piperaceae

Useful parts: Fruits

Uses: Spices

**KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA**

DEPARTMENT OF BOTANY



STUDENT FIELD PROJECT

2018-19

TITLE: Ethno-botanical SURVEY of Medicinal Plants Used by
Tribals

NAMES OF THE STUDENTS	SUPERVISOR
1. K SAITEJA 2. G.SANDDEP 3. G.NIHARIKA 4. BHARISH 5. G. RAMYA 6. K.SAI TEJA 7. BVEKANNA 8. M. SRIDHAR 9. E RAMARAO 10. M.RAJU	A.RAMANA RAO Dr. B.VIJAYAPAL REDDY

Ethno-botanical SURVEY of Medicinal Plants Used by Tribals

Department of Botany, kakatiya Govt. College, Hanumakonda.

INTRODUCTION

Ethnobotany is usually defined as “the study of relationship between people of primitive societies and their plant environment.” Ethno-botanical studies have gained importance during recent years. World Health Organization has stated that 80% of the world’s population depends on traditional medicine for its primary healthcare and has become indispensable for its survival. During the past one century, there has been a rapid extension of allopathic medicinal treatment in India but still now the use of natural products as medicine, especially plant products are widely used among various tribal people of Telangana. In the present paper ethno-botanical studies have been conducted on some families of tribals of Warangal district, Telangana, India, and documented 30 ethno-medicinal plants belonging to different families. These plants were used by the local health healers for the treatment of different diseases like inflammation, cough and cold, leucoderma, skin diseases, ulcers, leprosy, snakes and scorpion bite.

Harshberger in 1895 coined the term ethnobotany to indicate “the study of the relationship between people of primitive societies and their plant environment.” Our country is commonly called the Botanical Garden of the world, owing to her wealth of herbal medicines. Tribal people have traditional knowledge of plant species used for different purposes such as food, beverages, colors, resins, gums and medicine. This knowledge was even passed through generation to generation and played an important role in the conservation and sustainable use of

biodiversity. They also have knowledge about in situ conservation of numerous plant resources in the form of sacred groves. The World Health Organization has estimated that over 80% of the global populations rely chiefly on traditional medicine. Indigenous herbal treatment is a part of the culture and dominant mode of therapy in most of the developing countries. These traditional phytoremedies with a considerable extent of effectiveness are socially and economically accepted and one-third of the modern pharmaceutical preparations have botanical origin. International trade on medicinal plants is therefore increasing rapidly mainly as a result of intensified adoption of crude extracts for self medication by the general public in the developed countries. It was officially recognized that 2500 plant species have medicinal value while over 6000 plants are estimated to be explored in traditional, folk and herbal medicine. The need for the integration of local indigenous knowledge for a sustainable management and conservation of natural resources receives more and more recognition. Moreover, an increased emphasis is being placed on possible economic benefits especially of the medicinal use of tropical forest products instead of pure timber harvesting. In many developing countries a large part of the population especially in rural and forest areas depends mainly on traditional medicines for their primary healthcare. Traditional knowledge on medicine since the time of Great sage '*Charaka*' has led to the discovery of many important drugs of modern age. Today about 65% of the Indian population depends on the traditional system of medicine. Before the extinction of ethno-medicine from the tribal community, it is necessary to document and understand the culture-specific medical heritage. Keeping in view of this the present study is focused on ethno-medicinal plants used by tribes of warangal district. The present study is thus an attempt to document different plant species of warangal district used by the local health healers to cure different ailments.

Ethnobotanical survey was conducted by repeated interviews and conversations with aged ethnic people, local herbal healers, shepherds, tribal headmen, owners of cattle herds, etc. in different seasons. Several field trips were conducted in the district to record the ethno botanical knowledge of the different tribes. The data were collected through questionnaires, discussions among the tribal people. The information on useful plant species, parts used, local names and mode of utilization was collected. The data collected were further verified and cross-checked in different tribal *Gudems* (Hamlets). Plants used in their daily needs were also collected. Plants used in their traditional medicinal uses were identified with the help of regional floras. The sorted information on ethnobotanical knowledge of tribal inhabitants is cited by botanical names of plants, habit, parts used and uses that includes medicinal or any other purpose.

A total number of 30 plants belonging to different families were recorded. The majority of the medicinal plants are used singly in the manufacture of preparations rather than in particular combinations. Leaf paste of *Bauhinia vahlii* applied and tied with bandage for arthritis. Decoction of shoots of *Butea superba* used in piles. Entire plant of *Hygrophylla auriculata* is used to cure leucorrhoea. Bark of *Litsea glutinosa* is useful in bone fractures. Tribals use root paste of *Plumago zeylanica* to remove the piles. It is interesting that the bark of *Acacia arabica* is crushed and juice is applied on Russels' viper bite. Tribals also apply root paste of climber *Aristolochia indica* on snake bite. Root paste of *Pergularia daemia* is also applied on snake bite. Leaf decoction of *Adhatoda vasica* is administered to heal respiratory problems like asthma,

Bronchitis and even tuberculosis. Bark of *Aegl marmelos* is powdered, taken with water to control dysentery. Whole plant of *Andrographis paniculata* is powdered, administered in the form of tablets in all general fevers. Whole plant powder of *Cocculu shirsutus* is used in fever and stems used to make mouth baskets for cattle. Bark powder of *Strychnos nux-vomica* is administered in the form of tablets to control hypertension. Tribals use seeds of *Strychnos potatorum* to cure various ailments like kidney problems. Whole plant of *Vernonia cinerea* is powdered and administered in tablet-form to cure menstrual problems of women. Root powder of *Convolvulus sepiaria* is administered with water to cure infertility problems in women. Rhizome paste of *Zingiber roseum* is applied on skin diseases. Root of *Achyranthus aspera* is tagged to the waist of a pregnant woman for normal delivery. A whole plant of *Aristolochia bracteolata* is grinded and powder is administered with honey for menstrual pain. Seed paste of *Abrus precatorius* is applied to reduce hair fall and improve hair growth, seed powder is used as natural contraceptive and for temporary breakdown of menstrual cycle. Stem bark of

Bombax ceiba is crushed and juice administered in dysentery. Root juice of *Asparagus racemosus* is mixed with honey used for dyspepsia. Fruit pulp of *Cassia fistula* with pepper, garlic, tamarind and common salt are crushed and made it as a juice and taken orally as a general tonic and the crushed bark of *Cassia fistula* is applied on scorpion bite. Stem bark of *Dalbergia paniculata* paste with neem oil used as an external application on the head to improve hair growth. Root and bark powder-paste of *Dichrostachys cineraria* is applied on joint pains. Stem bark powder of *Lagerstromia parviflora* is administered in the form of tablets to cure Leucorrhoea. Seed powder of *Nelumbo nucifera* is taken with honey for forty days in infertility. Entire plant powder of *Phyllanthus amarus* is administered for Jaundice. Leaf paste of *Ziziphus xylopyrus* with turmeric used as an external application for skin eruptions. It is noted that the tribals use most of the medicinal plants to cure their day to day health problems like diarrhea, dyspepsia, general fever, skin diseases, impotency, menstrual problems, joint pains, wounds, snake and scorpion bites etc.





The Department students visited Laknavaram lake and Ramappa temple and its surroundings for ethnobotanical study and interacted with the tribes and collected data

CONCLUSION

Tribals have evolved knowledge by trial and error and have developed their own way of diagnosis and treatment for different ailments. This data provides basic source for further studies aimed at conservation, cultivation improvement of ethnic traditional medicine. The traditional botanical knowledge will provide secure livelihood to the native tribes that minimize the resource depletion, environmental degradation, cultural disruption and social instability. The medico-botanical survey of the area revealed that the people of the area possessing good knowledge of herbal drugs but as the people are in progressive exposure to modernization, their knowledge of traditional uses of plants may be lost in due course. So it is important to study and record the uses of plants by different tribes and sub-tribes for futures study. Such studies may also provide some information to biochemists and pharmacologists in screening of individual species and in rapid assessing of chemical constituents for the treatment of various diseases.

**KAKATIYA GOVERNMENT
COLLEGE, HANAMKONDA**

DEPARTMENT OF BOTANY



STUDENT STUDY PROJECT

2019-2020

TITLE: MINERAL NUTRITION AND ITS DEFICIENCY SYMPTOMS

NAMES OF THE STUDENTS	SUPERVISOR
1. B.Sunitha	DR.M.RAMBABU
2. G.Pravalika	A .RAMANARAO
3. G.Praveena	
4. P.Shilpa	
5. V.Kalyani	
6. M.Nagesh	
7. M.Rachana	
8. N.SWARUPA	
9. D.Priyanka	
10. MD. Nazeer	

Mineral deficiency is a lack of the dietary minerals, the micronutrients that are needed for an organism's proper health. The cause may be a poor diet, impaired uptake of the minerals that are consumed, or a dysfunction in the organism's use of the mineral after it is absorbed.

Deficiency Symptoms In Plants

The absence of any element necessary for the nourishment of that particular plant will lead to the morphological changes, this change is an indication of a deficiency.

Of course, if the deficient element is provided to the plant in good time, the symptoms of deficiency disappear. However, if the process is delayed, eventually the plant will die.

Symptoms of Deficiency in Plants

As the supply of essential nutrients is reduced, then the plants exhibit a particular symptom which differs from plants to plants.

In certain cases,

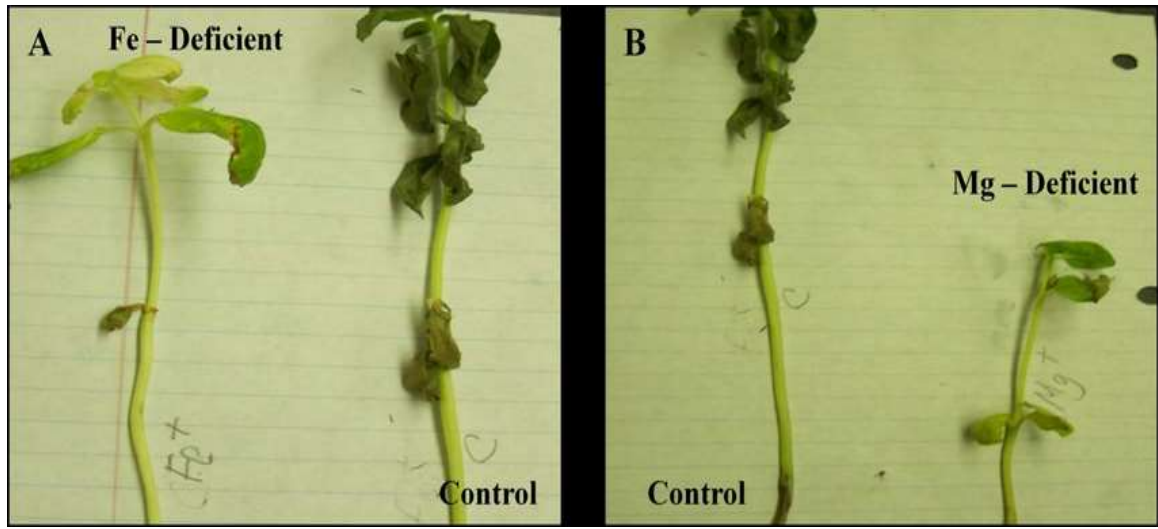
1. If the deficiency elements are relatively mobile, like nitrogen then the first deficiency symptoms appear in the older tissues of the plant and then followed with the younger tissues.
2. If the deficiency elements are relatively immobile and are not transported out of the mature organs, then the first symptoms tend to appear in the younger tissues and then followed with the older tissues.

The deficiency symptoms are varied and include, stunted plant growth, premature fall of leaves and buds, yellowing of leaves, etc. These symptoms could be caused due to the lack of both micronutrients and macronutrients in plants.

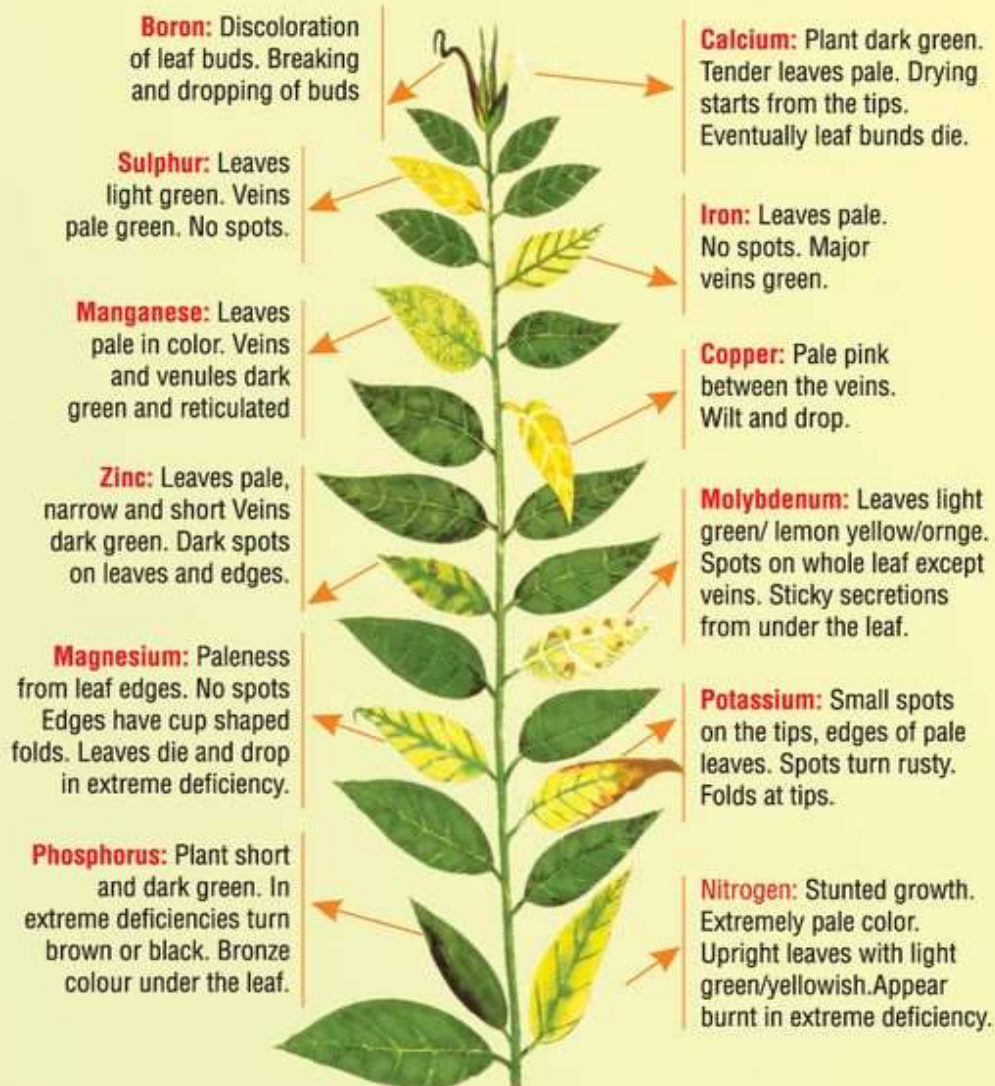
There are a few essential minerals required for plants growth and development. Hence, the deficiency of such essential minerals, namely – iron, nitrogen, manganese, potassium, magnesium, zinc, calcium, results in deficiency symptoms

It must also be kept in mind that different plants respond to different deficiencies, differently.

- 1).Yellow leaves.**
- 2). Yellow or brown leaf edges.**
- 3).Holes in leaves.**
- 4).Leaves look burnt or scorched.**
- 5).Leaves have a purple or red tone.**
- 6).Yellowing between leaf veins.**
- 7).Small or stunted leaves.**
- 8).Yellow or brown spots on leaves**



Deficiency Chart of Micronutrients



Boron: Discoloration of leaf buds. Breaking and dropping of buds

Sulphur: Leaves light green. Veins pale green. No spots.

Manganese: Leaves pale in color. Veins and venules dark green and reticulated

Zinc: Leaves pale, narrow and short. Veins dark green. Dark spots on leaves and edges.

Magnesium: Paleness from leaf edges. No spots. Edges have cup shaped folds. Leaves die and drop in extreme deficiency.

Phosphorus: Plant short and dark green. In extreme deficiencies turn brown or black. Bronze colour under the leaf.

Calcium: Plant dark green. Tender leaves pale. Drying starts from the tips. Eventually leaf buds die.

Iron: Leaves pale. No spots. Major veins green.

Copper: Pale pink between the veins. Wilt and drop.

Molybdenum: Leaves light green/ lemon yellow/orange. Spots on whole leaf except veins. Sticky secretions from under the leaf.

Potassium: Small spots on the tips, edges of pale leaves. Spots turn rusty. Folds at tips.

Nitrogen: Stunted growth. Extremely pale color. Upright leaves with light green/yellowish. Appear burnt in extreme deficiency.

**THE COLOUR REPRESENTED ARE INDICATIVE.
THEY MAY VARY FROM PLANT TO PLANT**



POTASSIUM DEFICIENCY SYMPTOMS



CALCIUM DEFICIENCY SYMPTOMS

DEPARTMENT OF ZOOLOGY

DEPARTMENT OF ZOOLOGY

STUDENT STUDY PROJECTS

2019-2020



TITLE: STUDY OF ENDANGERED ANIMALS IN INDIA

SUBMITTED BY

- 1 P. MADHUKAR
- 2 T. VENKATESH
- 3 A. VINOD KUMAR
- 4 T. RAMYA
- 5 K. THIRUPATHI
- 6 A. NAVEEN
- 7 A. ANJANNA
- 8 P. VANITHA
- 9 L. RAVINDER
10. D. RAJU

**KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA, WARANGAL.**

Title: STYDY OF ENDANGERED ANIMALS IN INDIA

An endangered species is a species that is very likely to become extinct in the near future, either worldwide or in a particular political jurisdiction. Endangered species may be at risk due to factors such as habitat loss, poaching and invasive species. An endangered species is a species (a population) of animals, plants or other organisms that is in danger of becoming extinct. This could happen because there are few of that animal left, its predators have grown in number, or the climate that it lives in is changing, or the places it lives in have been destroyed.

Important. The Endangered Species Act is very important because it saves our native fish, plants, and other wildlife from going extinct. ... From providing cures to deadly diseases to maintaining natural ecosystems and improving overall quality of life, the benefits of preserving threatened and endangered species are invaluable.

Protect wildlife habitats. Habitat loss is one of the biggest causes of extinction.

Main Objectives

- To Educate People are more likely to want to save animals if they know about them. ...
- Stay away from pesticides and herbicides. ...
- Shop ethically. ...
- Be an ethical tourist.

why we should save endangered species?

- They are the sources of medicines, from antibiotics to anti-cancer agents.
- They are the first signal of serious environmental issues.
- They help keep crops (and by proxy, humans) healthy.
- They boost the economy.

DEPARTMENT OF ZOOLOGY

STUDENT STUDY PROJECTS

2019-2020



TITLE: IDENTIFY THE BLOOD GROUPS BY ANTIBODIES AND ANTIGENS IN THE BLOOD"

SUBMITTED BY

1. K. SAITEJA
2. M. LOHITHA
3. M. TEJASWINI
4. P. PREETHI
5. K. SRISHAILAM
6. B. VEERANNA
7. E. PREMALATHA
8. B. VIGHNESH
9. S. MANOJ REDDY
10. V. VANDANA

**KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA, WARANGAL.**

TITLE: IDENTIFY THE BLOOD GROUPS BY ANTIBODIES AND ANTIGENS IN THE BLOOD”

Aims and Objectives;

The accurate grouping of blood is very important when it comes to having a blood transfusion. If blood is given to a patient that has a blood type that is incompatible with the blood type of the blood that the patient receives, it can cause intravenous clumping in the patient's blood which can be fatal.

Your blood group is identified by antibodies and antigens in the blood. Antibodies are proteins found in plasma. They're part of your body's natural defences. They recognise foreign substances, such as germs, and alert your immune system, which destroys them.

- Be able to name the two main "naturally occurring" antibodies to red cell antigens.
- Be able to tell which of these two antibodies would be found in individuals of each ABO type, and briefly explain why ordinarily they would or would not be present.
- Be able to explain why the ABO system is the most important red cell blood group system for transfusion therapy.
- Given the Rh phenotype of a mother and her fetus, be able to state whether the baby may be at risk of developing hemolytic disease of the newborn (HDN) due to anti-Rh antibodies, and why (or why not). Be able to state the immunoglobulin class responsible for HDN, and give the reason that other classes of immunoglobulin do not cause HDN.
- Be able to diagram the direct antiglobulin test (the Coombs test), indicating the main components and their source (patient vs. reagent). Be able to state what the direct antiglobulin test is capable of detecting. Be able to diagram the indirect antiglobulin test and state the major purpose for the indirect antiglobulin test.
- Be able to list the three essential steps in blood compatibility testing, and the purpose of each step.
- In an emergency situation, be able to indicate what kind of blood is given, if necessary, before typing is complete, and what kind of blood is given, if necessary, before cross-matching is complete.

DEPARTMENT OF MICROBIOLOGY

CERTIFICATE COURSE

IN

**MICROBIAL RESISTANCE – THEORY
AND METHODS**

(22-10-2019 to 07-11-2019)



Organized by

DEPARTMENT OF MICROBIOLOGY

Kakatiya Government College

Hanamkonda-506001

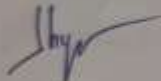
NOTICE

Dt.20-01-2020.

Department of Microbiology is organizing a Certificate course Titled "*Antimicrobial resistance - Theory and Methods*" for the B.Sc Microbiology students during the period 21-01-2020 to 11-2-2020. Hence the interested students are here by instructed to meet the Department in Charge and enroll into the course on or before 22-10-2019. It is further informed that on successful completion of the course a Certificate is issued to the students.


Course coordinator


Principal

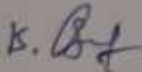


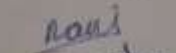











B. Anusha


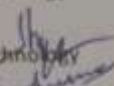
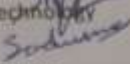
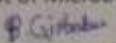


Syllabus:

Department of microbiology

Minutes of the meeting of the department of Microbiology dated 20-01-2020 at 11 am at department of microbiology discussed and resolved to conduct two certificate courses for academic year.

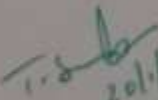
College Principal chaired the meeting. The following members present

1. Dr.T.Sujatha 
In Charge-Dept Of Microbiology
2. R.Shyamala Chandra 
In Charge-Dept Of Biotechnology
3. Dr.S.SumanKalyan 
Faculty -dept of Microbiology
4. B.Giribabu 
Faculty -dept of Microbiology

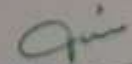
It is resolved to conduct Certificate course entitled "Antimicrobial resistance - Theory and Methods".

With the following Syllabus.

1. Antimicrobial and antimicrobial action
2. Antimicrobials and resistance
3. Antimicrobial susceptibility testing
4. Antibiotics and Resistance
5. Superbugs


20/1/2020

Kakatiya Govt. College
Hanamkonda - 506 001


PRINCIPAL
KAKATIYA GOVT COLLEGE
Hanamkonda.

Course outcomes:

Welcome to the course

This module is basically a welcome to the course where you can find information on the Course structure, the contents you will be learning in the next modules, the grading, and introduction to the instructors and to the teaching material.

1st week:

Module A- Antimicrobial and antimicrobial action

Antimicrobials and antimicrobial action (includes two lectures and one quiz). Here you will learn a lot about antibiotics/ antimicrobials and you will know more about: what they are, where do they come from, what are the major groups and how can we classify them, how do they have an effect, how do they act on the bacterial cells

2nd Week:

Module B - Antimicrobials and resistance

This module contained information about antimicrobials and the development of resistance in bacteria including causes for resistance and their mechanisms, as well as an insight in how resistance disseminates and how it can be selected.

3rd week:

Module C- Antimicrobial susceptibility testing

This module deals with antimicrobial susceptibility testing in the laboratory: its importance and use, descriptions of the methods and their applications and detailed descriptions of the procedures applied for the main methods.

Module D- Interpretation

This module gives practical insight on how to interpret antimicrobial susceptibility results.

About this Course

The course will cover the topics related to antimicrobial resistance with basic definitions and overview on antimicrobials their use and the emergence and spread of resistance. The course will

guide you through the concepts and the importance of resistance spread and dissemination and how that happens. It will show you how bacteria become resistant and which mechanisms they might use for this. And as part of the course you will also receive some training in methods for antimicrobial susceptibility testing (AST) and detection of specific resistance in the microbiological laboratories with the basic methods available and with focus on the obtention of good quality results which can be interpreted and used for different purposes.

Additionally, it will show you how to use genomic analysis tools to analyze whole genome sequencing data to detect resistance genes (and or other genes of interest) in a simple and easy way using online tools freely available. In the new new version an additional module including detection of specific resistance mechanisms was added. After this course you should be able to:

1. Describe the most important families of antimicrobials and mode of action
2. Understand the basic concepts of antimicrobial resistance from several perspectives (clinical, research and microbiological)
3. Enumerate and describe how bacteria can become resistant and the mechanisms that may be involved in that process
4. Describe how antimicrobial resistance emerges and spreads around the world including concepts of antimicrobial resistance transfer, selection and dissemination
5. Enumerate the methods used for antimicrobial susceptibility testing (AST)
6. Compare dilution and diffusion methods and know the basic techniques of agar disk diffusion, broth dilution and agar dilution methods
7. Have detailed theoretical knowledge on how to perform the main methods in a laboratory
8. Know the basic concepts about analysis and interpretation of results of AST, including different breakpoints, cut-off setting and their applications.
9. Understand the importance and related concepts related to quality management and quality assurance method standardization, applied to AST
10. Relate the information obtained in this course with real cases of resistant bacteria spreading in patients, the community, animals or the environment





KAKATIYA GOVT. COLLEGE
HANAMKONDA

Dept. of Microbiology⁰⁴



Student's Attendance Register

2019 - 2020

CERTIFICATE COURSES - 2019-20

Class & Year : B.Sc & M.Sc

Medium : English

Subject : ① Exploring your Microbiome.

② Antimicrobial Resistance - Theory & Methods.

Antimicrobial Resistance: Theory & Methods - 21-01-2015
11-02-2015

Attendance Register of

Year, Class H.S.C.

Roll No.	NAME OF THE STUDENT	Month	Days												Total	
			1	2	3	4	5	6	7	8	9	10	11	12		
101	A. ALEXA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
102	T. ANANDHARAJ		P	P	P	P	P	P	P	P	P	P	P	P	P	12
103	B. ANANDA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
104	M. ANULISA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
105	M. SATHISH		P	P	P	P	P	P	P	P	P	P	P	P	P	12
106	S. NATSARANI		P	P	P	P	P	P	P	P	P	P	P	P	P	12
107	N. NAVYEN CHANDOR		P	P	P	P	P	P	P	P	P	P	P	P	P	12
108	S. SRUTHI		P	P	P	P	P	P	P	P	P	P	P	P	P	12
109	H. SUDARSH		P	P	P	P	P	P	P	P	P	P	P	P	P	12
110	M. PUSPA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
111	C. RAJITHA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
112	S. MADHURAB		P	P	P	P	P	P	P	P	P	P	P	P	P	12
113	K. ANUSHA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
114	K. MOHITHA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
115	S. PRAVALINA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
116	B. SANKARJEEV		P	P	P	P	P	P	P	P	P	P	P	P	P	12
117	M. VIJAYA KUMAR		P	P	P	P	P	P	P	P	P	P	P	P	P	12
118	S. SANDHEEP		P	P	P	P	P	P	P	P	P	P	P	P	P	12
119	P. RAJESH		P	P	P	P	P	P	P	P	P	P	P	P	P	12
120	N. RAJANUR		A	P	P	P	P	P	P	P	P	P	P	P	P	11
121	V. HARATHA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
122	P. ADARSH		P	P	P	P	P	P	P	P	P	P	P	P	P	12
123	M. NAVYA		P	P	P	P	P	P	P	P	P	P	P	P	P	12
124	A. UNNATI		A	P	P	P	P	P	P	P	P	P	P	P	P	11



DEPARTMENT OF MICROBIOLOGY
Kakatiya Government College, Hanamkonda



CERTIFICATE COURSE IN
Antimicrobial Resistance: Theory & Methods

21-01-2020 to 11-02-2020

This is to certify that Mr./Ms. ...M. Amulyahas successfully completed the certificate course in **“Antimicrobial Resistance: Theory & Methods”** Conducted by the Department of Microbiology during 21-01-2020 to 11-02-2020 as part of department extracurricular activity.


27/9/2019
Course coordinator


Principal

DEPARTMENT OF BIOTECHNOLOGY

STUDENT STUDY PROJECT (2019-2020)

Name of the Topic:

Antimicrobial activity of Neem.

Under the Guidance of

R. Shyamala Chandra

Asst.Prof of Biochemistry

DEPARTMENT OF BIOTECHNOLOGY

Kakatiya Government College, Hanamkonda.

Names of the Students

S.No	Name of the Student	H.T.No	Group
1	<u>A.Pratvusha</u>	006-18-3001	BTBC 3 rd Year
2	<u>Ch.Poojitha</u>	006-18-3004	BTBC 3 rd Year
3	<u>G.Suman</u>	006-18-3009	BTBC 3 rd Year
4	<u>K.Rahul</u>	006-18-3010	BTBC 3 rd Year
5	<u>T.Nainesh</u>	006-18-3020	BTBC 3 rd Year
6	<u>K.Srinika</u>	006-18-3023	BTBC 3 rd Year
7	<u>Y.Rakesh</u>	006-18-3022	BTBC 3 rd Year
8	<u>K.Bharath</u>	006-18-3012	BTBC 3 rd Year

NEEM

Classification

Botanical name: Azadirachta indica

Family: Maliaceae

The study of crude drugs of plant animal or mineral origin is called pharmacognosy and the study of the action of drugs is called pharmacology.

The curative properties of drugs are due to the presence of complex chemical substances of varied composition in one or more parts of these plants such as alkaloids, glycosides, essential oils, etc.

NEEM OR MARGOSA:

INTRODUCTION

Azadirachta indica is distributed throughout India. Our ancestors worshiped the tree as an invaluable gift of mankind. Every part of the tree is useful to man (may be this reason accounted for the presence of Neem tree in every olden home) in the olden days for this reason there were neem trees in every house. It was generally called as the "Herbal Indian Doctor".

The leaves are reported to be employed in bronchial catarrh, dysentery and diarrhoea. The leaf juice possesses antiseptic, insecticide and parasitic properties. It is used to check hemorrhage from cuts, bruises and wounds. A.indica contains proteins carbohydrates, fiber, CaO, K₂O, P₂O₅, MgO, b-sitosterol and tannins.

USES

Every part of the tree, leaf, flower, fruit seed, wood & roots has been in use especially in the Ayurvedic and unani system of medicine.

1. Decotion of leaves is an effective antidote for round worms. Leaves have medicinal properties like blood purifier carminative and anti-diabetic, they also have Antiseptic and Anti fungal properties.
2. Recent studies in USA have shown that neem leaf extracts can inhibits certain enzymes in the hepatitis-B virus and herpes virus. Germany and U.K are on their way to extract, which inhibits the division of AIDS infected cells.
3. The latest reports clearly demonstrate that neem is a powerful immune system, booster specifically enhancing the "killer T" that are the bodies first defense against infection.
4. Seed contain 40-90% oil. Neem oil is used in making soaps, toothpastes, herbal shampoos and anti-like shampoos for dogs. It is found helpful in some chronic skin diseases and ulcers. It also cures piles. It has some external application for

- rheumatism. Leprosy and sprains neem oil is also reported to have Anti-fertility properties.
5. Flowers are useful in some cases of dyspepsia and general weakness. Flowers along with leaves are used for dressing wounds.
 6. The bark of the stem and root contain compounds like nimbin and nimbidin. The bark is used in dental diseases like bleeding gums and phrrhoea, jaundice, various skin diseases like eczema etc, and as an anti allergic agent bark has also anti fungal protozoan property.
 7. Neem seeds powder and leaves provides an excellent bulk to the cattle and animal nutrients processed neem. It is also used for the poultry feed.
 8. Derivatives of neem have been reported to acts as insecticide, fungicide and nematicide.
 9. Neem is a potential source of organic manure, which is rich in plant nutrients like nitrogen, phosphorous and potassium and anti-microbial. Neem seed powder is used as an organic fertilizer.
 10. As the wood of neem is resistant to pests, it is having some timber values.

Anti bacterial activity of various parts of neem

Materials and methods:

Collection of medicinal plant:

The medicinal plant *Azadirachta indica* was selected and collected their parts like bark and leaves.

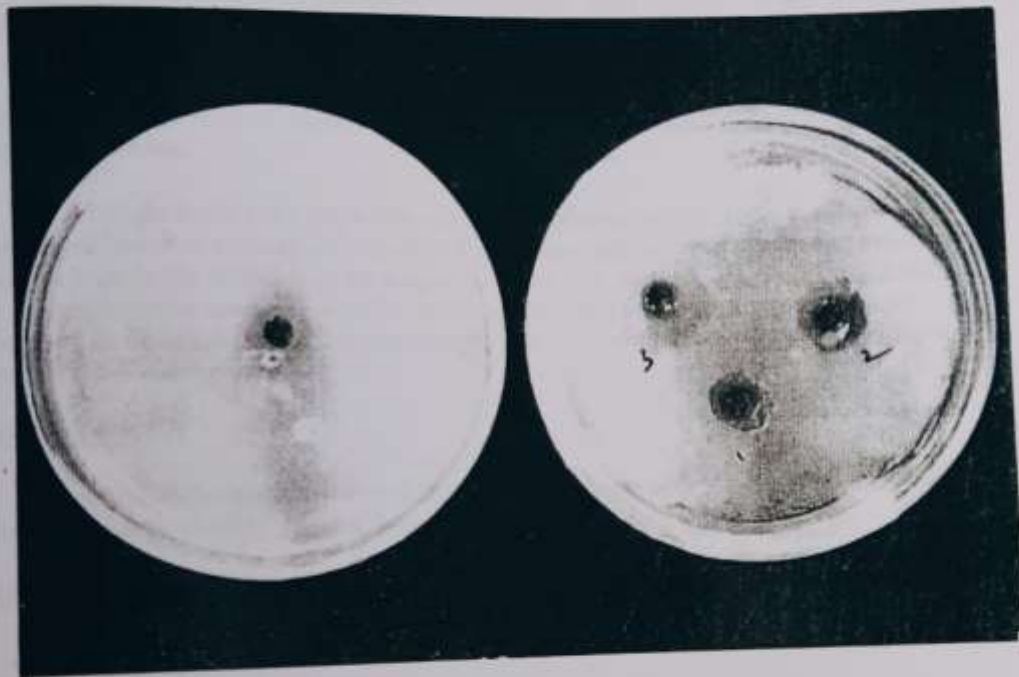
The collected parts of medicinal plants were brought into the laboratory to determine antibacterial activity.

Preparation of Extracts

The collected parts (bark and leaf) of medicinal plant were cleaned and dried under shade. The dried plant materials were then ground well to fine powder. Powdered plant materials were successively extracted with alcohol and acetone. The alcohol and acetone extracts, were then filtered and kept in over at 40 C for 24 hours to evaporate the alcohol and acetone from it. Dark brown and greenish black residues were obtained which are used to determine antibacterial activities.

SELECTION OF MICRO ORGANISMS:

Enterobacter aerugenosa
Bacillus cerens
Protease vulgaris
Pseudomonas aerugenosa



ANTIMICROBIAL ACTIVITY OF NEEM EXTRACTS ON MICRO ORGANISMS

DEPARTMENT OF COMMERCE

1

KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA

WARANGAL URBAN



A study on influence of supply chain management practices on product delivery and firm performance

(2019-2020)

Study Project

Submitted by

1. K.Praveen	H.T.No. 006182610	B.Com III year
2. Bhukya Chanti	H.T.No. 006182207	B.Com III year
3. D.Vamshi	H.T.No. 006182014	B.Com III year
4. K.Anil	H.T.No. 006182034	B.Com III year
5. P. Ganesh	H.T.No. 006182619	B.Com III year
6. R. Shiva kumar	HT.No. 006182622	B.Com III year
7. Ch. Naveen Kumar	HT.No. 006182011	B.Com III year
8. J. Malleesh	HT.No. 006182023	B.Com III year
9. K.Manasa	HT.No. 006182030	B.Com III year
10. K.Sandeep	Ht.No. 006182032	B.Com III year

Under the Supervision of

Dr.A.Sarangapani

Asst. professor of Commerce, Kakatiya Government College, Hanamkonda

KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA

WARANGAL URBAN



**Corporate Social Responsibility - An Analysis of Drivers of
CSR in India**

(2019-2020)

Study Project

Submitted by



S.No.	Name of the Student	Class	HT.No.
1	V.Shiva Krishna	B.Com I yr	006202381
2	E.Shravva	B.Com I yr	006202119
3	E.Suornya	B.Com I yr	006202127
4	J.Shirisha	B.Com I yr	006202169
5	K.Aravind	B.Com I yr	006202218
6	V.Abhishek	B.Com I yr	006202383
7	V.Akhil	B.Com I yr	006202382
8	A.Santhosh	B.Com I yr	006202001
9	M.Deepthi	B.Com I yr	006202430
10	V.Divya	B.Com I yr	006202435

Under the Supervision of

Smt. G. Sujatha

Lecturer

Department of Commerce

Kakatiya Government College, Hanamkonda

A
PROJECT REPORT
AN OVERALL STUDY ON THE
New Trends in Indian banking System –
A comparative study of Public and Private Sector Banks.



In partial fulfillment of requirement for the Award of the Degree of
B.Com
Submitted
By

<i>S.No</i>	<i>Name Of the Student</i>	<i>H.T.No</i>	<i>Class</i>
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02	<i>L.Akhila</i>	<i>006-202228</i>	<i>B.ComII</i>
03	<i>T.Rakesh</i>	<i>006-202370</i>	<i>B.ComII</i>
04	<i>K.Manasa</i>	<i>006-202208</i>	<i>B.ComII</i>
05	<i>T.Priyanka</i>	<i>006-202366</i>	<i>B.ComII</i>
06	<i>K.Ranya</i>	<i>006-202185</i>	<i>B.ComII</i>
07	<i>S.Manasa</i>	<i>006-202341</i>	<i>B.ComII</i>
08	<i>M.Sindhu</i>	<i>006-202265</i>	<i>B.ComII</i>
09	<i>Sd.Afreen Fathima</i>	<i>006-202350</i>	<i>B.ComII</i>
10	<i>D. Dinesh</i>	<i>006202099</i>	<i>B.ComII</i>

Under the Guidance
Of Dr.Lt.AYESHA SHAIK
M.COM, Ph.D.
Department Of Commerce
Kakatiya Degree & P.G. College(Affiliated to KAKATIYA UNIVERSITY)
Hanamkonda, Warangal.(2019-2020)

**KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA**

WARANGAL URBAN



STUDENT STUDY PROJECT

(2019-2020)

**A qualitative investigation into effectiveness of online advertising on
consumer attitude**

Under the Supervision of
Rajeeru Jarupula
Lecturer in Commerce, Kakatiya Government College, Hanamkonda

KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA

WARANGAL URBAN



ROLE OF ENTREPRENEURS IN ECONOMIC DEVELOPMENT-A STUDY

(2019-2020)

Study Project

Submitted by
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H.T.No. 006192002
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KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA

WARANGAL URBAN



STUDENT STUDY PROJECT

(2019-2020)

“Brand Awareness to words Royal Enfield”

Under the Supervision of

Dr.Aayesha Shaik

Asst. Professor of Commerce, Kakatiya Government College, Hanamkonda

**KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA**



STUDENT STUDY PROJECT
(2019-2020)

**The Study of Financial Performance of Indian
PublicSector Undertakings**

Under the Supervision of

G. Jeevan Kumar

Asst. Professor of Commerce, Kakatiya Government College,
Hanamkonda

KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA

WARANGAL URBAN



STUDENT STUDY PROJECT

(2019-2020)

**“Water Harvesting Practices in Rural Areas”
- A Study of Select Villages in Warangal (R) District.**

Under the Supervision of

K.Linga Reddy

Asst. Professor of Commerce, Kakatiya Government College, Hanamkonda

**KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA
WARANGAL URBAN**

**A Study On Rural Women Entrepreneurs and their
Empowerment-**

**(2019 -2020)
Study Project**

**Submitted to
Department of Commerce
KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA**

Under the Supervision of

**C.LAVANYA
Asst. professor of Commerce,**

**KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA
WARANGAL URBAN**

**A Study On Rural Women Entrepreneurs and their
Empowerment**



SUBMITTED BY

**M.Lakshmi, B.Com II Year
P.Shirisha, B.Com II Year
M.Sai Teja, B.Com II Year
M
d.Mujahid, B.Com II Year
Md.Rizwan, B.Com I Year
B. Ajay, B. Com I Year
K. Shreya, B.com I Year
P. Srikanth B. Com I year
B. Anusha, B.com II year
G. Mahesh, B. Com II year**

UNDER THE SUPERVISION OF

**C. Lavanya
Assistant professor of commerce
KGC, Hanamkonda warangal Dist.**

**A STUDY ON
"FINANCIAL PLANING AND TAX SAVING INSTRUMENTS"
WITH SPECIAL REFERENCE TO
JM FINANCIAL LTD, HYDERABAD**

A Project Report Submitted to

**DEPARTMENT OF COMMERCE
(2019-20)**

Submitted by

Sl. No.	Roll Number	Name of the student
1	006192240	J.Akhila
2	006192241	J.Sravanthi
3	006192242	K.Divya
4	006192243	K.Sreekanth
5	006192244	K.Vinay Kumar
6	006192245	K.Prabhudas
7	006192247	K.Anil
8	006192248	K.Sreekanth
9	006192250	K.Dinesh

Under the Guidance of

Smt. J. Sarala Jhansi Rani

M.Com.,M.Phil

Assistant professor

**A STUDY ON "FINANCIAL PLANING AND TAX SAVING INSTRUMENTS" WITH
SPECIAL REFERENCE TO JM FINANCIAL LTD, HYDERABAD**

DEPARTMENT OF HISTORY

STUDENT STUDY PROJECT WORK

ON

TEMPLES OF WARANGAL



SUBMITTED TO

DEPARTMENT OF HISTORY

**KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA**

LIST OF THE PARTICIPATED STUDENTS

SANDRA RANJITH KUMAR
SINGARAPU RAMYA
SK YAKUB PASHA
TEJAVATH PRAVEEN
THADURI ARCHANA
THATHA BHAGYASRI
THOTA UJWALA
VASAMPELLY SURENDAR
VEERAMUSHTI RAJU
BALUSULA SAGAR
BHUKYA KALPANA
BHUKYA SUMAN
GANJI ARJUN
GUGULOTH RAMADEVI
GULAM SARWAR ALI ANSARI
GUMUDAVELLI VARUN KUMAR
GURRAM MOUNIKA
JANNU AJAY
BALUSULA SAGAR
BHUKYA KALPANA

STUDENT STUDY PROJECT WORK
ON
TOURIST PLACES IN WARANGAL



SUBMITTED TO
DEPARTMENT OF HISTORY
KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA

LIST OF THE PARTICIPATED STUDENTS

A.GANESH
A.KRANTHI KUMAR
A.SPANDANA
A.BHASKAR
B.BALAJI
B.ARAVIND
B.GANESH
B.MAHESH
B.NIKHIL KUMAR
B.RAHUL
B.NAVEEN
B.PAVAN
B.PRANAY
B.RAMU
B.RUPLAL
B.GANESH
B.VINAY KUMAR
B.THARUN
CH.MOHAN
CH.PRASANTH

STUDENT STUDY PROJECT WORK
ON
ARTAND ARCHITECTIRE OF RAMAPPA TEMPLE



SUBMITTED TO
DEPARTMENT OF HISTORY
KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA

LIST OF THE PARTICIPATED STUDENTS

ADLA PRIYANKA
ADLA SUSMITHA
AKULAPALLY KUSUMALATHA
BAIRUMALLA SAHITHYA
BANOTH ANIL
BANOTH RAJU
BANOTHU ANITHA
BARIGELA RAKESH
BETHU PAVAN
BHUKYA KALYANI
BOORA VINAY
EERLA GANESH
ESTABOINA KRANTHIKUMAR
GANEPAKA PRASAD
GOLLENA SHANKAR
GONELA SHIREESHA
GUDURU PAVAN
GUGULOTHU GANESH
GULLA MADHUKAR
GUNDEVENI SHIVA KUMAR

STUDENT STUDY PROJECT WORK
ON
HISTORY OF WARANGAL FORT



SUBMITTED TO
DEPARTMENT OF HISTORY
**KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA**

LIST OF THE PARTICIPATED STUDENTS

ALLAM RAKESH
AMARAJU PRASHANTH
AMRUTHA HAREESH
BANGARI MADHUKAR
BANOTHU ANURADHA
BHUKYA PAVAN
BHUKYA RAJIN NAYAK
BOJJAM GANESH
CHETTABOINA PANINDRA
DASARAPU ABHI KUMAR
EEKA RAMANJAN
ESLAVATH JEEVAN
GUGULOTHU MAHENDER
ILONI ANVESH
KADARI RAKESH BABU
KUNAMALLA ARUN
MACHARLA SWAPNA
MARUPATLA SANDEEP
MOTAM THIRUPATHI
NAGARAPU RAJINIKANTH
NIMMALA SUNIL
NOMULA RAJENDAR
POLEPALLI VAMSHI KRISHNA
SANGI POUL
SANGI VAMSHI

STUDENT STUDY PROJECT WORK
ON
IRRIGATION SYSTEM OF KAKATIYAS



SUBMITTED TO
DEPARTMENT OF HISTORY
**KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA**

LIST OF THE PARTICIPATED STUDENTS

ADEPU HEMANTHKUMAR
AGITHE BHANUPRASAD
AZMEERA RAJENDAR
BALLA THIRUPATHI
BANOTH MAHENDAR
BANOTHU BALAJI
BANOTHU NARESH
BANOTHU SUNITHA
BHUKYA MANJULA
BONTHA NARESH
CHEDUPAKA MADHU
CHELUKALA SRINU
CHERUKU SINDHUJA
CHIDAM SAIKIRAN
ERRA VISHNUVARDHAN
GADDAM BHARATH
GAJULA KALPANA
GANGARAPU BHAGATH
GANTA MAHESH
GODUGU SAMBARAJU

STUDENT STUDY PROJECT WORK
ON
HISTORY OF INAVOLE TEMPLE



SUBMITTED TO
DEPARTMENT OF HISTORY
**KAKATIYA GOVERNMENT COLLEGE,
HANAMKONDA**

LIST OF THE PARTICIPATED STUDENTS

KAYAM BABU
KEESARI NAGARAJU
KURSAM DIVYA
LAVUDYA RAJKUMAR
MADDHELA PRABHU
MAMIDI RAVALI
MATLA KAVITHA
MUDURAKOLA MANASA
PAYAM KALPANA
POLAPALLY MANASA
PONNABOINA SWAPNA
RAMATENKI SOMESWARA RAO
RAPAKA SRIKANTH
SADALA NARENDER
SADUVALA SRAVANTHI
SANKINENI RAJASHEKAR
SARIGOMMULA SUMATHI
SATKURI MATHRUDEVI
YATAKALA KOTESHWAR

DEPARTMENT OF ECONOMICS

STUDENT'S STUDY PROJECT 2019-20

**PERCEPTION TOWARDS DIGITAL PAYMENTS-A STUDY
IN WARANGAL TOWN**



Submitted by

**BA HEP II Year
Students**

Under the Supervision of
Dr. B. Indira Nainadevi
Assistant Professor of Economics

JIGNASA STUDENT'S STUDY PROJECT 2019-20

**“CHANGING FOOD HABITS – BOON FOR
MILLETS SALES”
A STUDY IN HANAMAKONDA TOWN”**

Submitted by

BA HEP TM II

Under the Supervision of

Dr. B. Indira Nainadevi,

Assistant Professor of Economics.

DEPARTMENT OF ECONOMICS

KAKATIYA GOVERNMENT DEGREE COLLEGE

HANAMKONDA, DISTRICT: WARANGAL (U), TELANGANA STATE

Jignasa

Student's Study Project

Submitted by

BA III JMC students

Supervisor

Dr. G. Shyamu

Assistant Professor of Economics

Department of Economics

KAKATIYA GOVERNEMENT COLLEGE HANAMKONDA

Impact of AASARA pension scheme on rural livelihood -a study in Janagaon District

Introduction:

The need for social safety nets is a critical concern for governments across the globe and for the billions of men, women, and children striving to improve their livelihoods. As interest in and the use of social safety nets keep growing, countries struggle to make social safety net interventions more effective and to integrate them better in their overall social protection and labor systems.

The idea of social security, including pensions, originates from the notion that everyone must have protection against vulnerability and deprivation but in practice, it has come to be linked to job security, whether one has a job in the formal or the informal sector. Under the Directive Principles Article 41, the State is expected to "within the limits of its economic capacity and development, make effective provision for securing the right to work, to education and to public assistance in cases of unemployment, old age, sickness and disablement and in other cases of undeserved want.

Despite constitutional provisions, India spends only 1.4% of its Gross Domestic Product on social protection. China spends several times more at 5.4%. As per an Asian Development Bank study in Asia and the Pacific, even much smaller countries do better than India on the social protection index, with Sri Lanka spending 3.2%, Thailand 3.6% and Nepal 2.1% of GDP on social security.

In the past, social security pensions provided were meager and, barely sufficient to cover the basic minimum requirements of the needy. With a view to combat the ever-increasing cost of living and inflation, the Government of Telangana as a part of its social safety net strategy, hereby, introduces the Aasara pensions with a view to ensure secure life with dignity for all the poor. This scheme is meant to protect the most vulnerable sections of society in particular the old and infirm; people with HIV-AIDS, widows, incapacitated weavers and toddy tappers, who have lost their means of livelihood with growing age, in order to support their day to day minimum needs required to lead a life of dignity and social security.

STUDENT'S STUDY PROJECT 2019-20

**THE EFFECTS OF GREEN REVOLUTION ON
INDIAN ECONOMY**



Submitted by

BA EPP, HECA, EPCA II 2019-20

Under the Supervision of

Ch. Raju

Assistant Professor of Economics

Department of Economics

KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA (TS)

STUDENT'S STUDY PROJECT 2019-20

**LABOURERS OF UNORGANISED SECTORS AND
THEIR PROBLEMS**



Submitted by

BA 1 Year 2019-20

Under the Supervision of

Ch. Raju

Assistant Professor of Economics

DEPARTMENT OF ECONOMICS

KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA

(TS)

STUDY PROJECT

An ANALYTICAL STUDY ON NIRBHAYA ACT, 2013

**SUBMITTED BY
BA HEML III YEAR**

**Under the guidance of
DR. SHYAMU GANTA
Asst. Professor of Economics**

**DEPARTMENT OF ECONOMICS
KAKATIYA GOVERNMENT COLLEGE HANUMAKONDA**

HANUMAKONDA DISTRICT- 506 001

2019-2020

List of Participants

**ADUNOORI RANADHEER
ALETI POORNACHANDAR
BHUKYA KAVERI
BHUKYA RAKESH
BOGAM THIRUPATHI
BOJJA PAVANKALYAN
CHERIPELLI PRASHANTH
CHINTHAKULA BHARATH KUMAR
DADA RAJULU
DANDU KUMAR
EDLA HARI HARAN
EDULA NAVEEN
ELLANDULA SRIKANTH
GANDLA SAI KUMAR
GANDRAKOTA ANIL
GONELA VENU
GUGULOTHU JANU
GUGULOTHU NARESH
HANMAKONDA VIJAY KUMAR
KANAKAM RAKESH
KOLANUPAKA BHARATH
KONGA AKHIL
KOTTEM NAVEEN
LADELLA ABHISHEK
MAASA SANDEEP
MARAMULLA NAGARAJU
MARAPAKA PAVAN
MARAPAKA SHIVAPRASAD
MEDIPALLY VISHWAS
MERUGU SRIVAN
POLEPAKA SHASHI KUMAR
RAMPELLI NAGARAJU
REDDY PAVAN
SHYAMALA TULASI
SINGAPURAM DINESH
VALLAPU RAMU
VANAM VIDYASAGAR
VARDELLI MOUNIKA**

DEPARTMENT OF POLITICAL SCIENCE

DEPARTMENT OF POLITICAL SCIENCE

STUDENTS' STUDY PROJECT

(2019-20)

“Gender Equality and challenges”

By

1. A Ratnakar HPP – II Year
2. B. Suman HEP - I Year
3. E. Saikumar HPJ – I Year
4. Md. Imran HPJ– I Year
5. A. Mahesh HEP – I Year
6. A. Bhasker HEP- I Year
7. Ch. Mohan, HEP-I YEAR
8. D. Pawan kalyan, HPP-I Year
9. KPranay, HPCA-I year

Under the Supervision of

Andem Madhu Sudan Reddy

and K Mallesham

Assistant Professor of Political Science

KAKATIYA GOVERNMENT COLLEGE

HANAMKONDA, WARANGAL (URBAN)

DEPARTMENT OF POLITICAL SCIENCE

STUDENTS' STUDY PROJECT

(2019-20)

"Declining Role of parliament"

By

1. MManoj HPP – II Year
2. A. Shiva Ganesh HEP - II Year
3. D. Vishnu vardhan HEP – I Year
4. A laxmi HEP– I Year
5. G Shushmitha HEP – I Year
6. G. Nagaraju HEP- I Year
7. Ch. Yodhi HEP-I YEAR
8. Ch. Vignesh, HPP-I Year
9. B. Ganesh HPCA-I year
10. Ch. Vineeth, EPJ- I year

Under the Supervision of

S. Kamalakar

Assistant Professor of Political Science

KAKATIYA GOVERNMENT COLLEGE

HANAMKONDA, WARANGAL (URBAN)

DEPARTMENT OF PUBLIC ADMINISTRATION

DEPARTMENT OF PUBLIC ADMINISTRATION

STUDENT STUDY PROJECT

TOPIC: District Administration in Telangana State a study on Problems and Issues of smaller Districts

Academic Year 2019 - 20

STUDENT RESEARCHERS

1. G. Ali Ansari BA HPP 4th semester
2. B. Sagar BA HPP 4th semester
3. PVS Saitta BA HPP 4th semester
4. B. Suman BA HPP 4th semester
5. G. Ramadani BA HPP 4th semester
6. M. Assistant Reddy BA HPP 4th semester
7. G. Varina Kumar BA HPP 4th semester
8. G. Mounika BA HPP 4th semester
9. K. Sai BA HPP 4th semester
10. M. Anitha BA HPP 4th semester
11. A. Kavitha BA HEPA 4th semester
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14. K. Anand BA HEPA 4th semester
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16. A. Ralakrishna BA EPP 4th semester
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STUDENT STUDY PROJECT

TOPIC: DISTRICT LEGAL SERVICES AUTHORITY HANAMKONDA,
WARANGAL.....FREE LEGAL AID SERVICES FOR THE POOR

A STUDY PROJECT

Academic Year 2019 - 2020

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4. K. Madhu BA HEPA 2nd semester
5. A. Rakesh BA hpp 2nd semester
6. A. N Vaishnavi BA HEG 2nd semester
7. L. Chaitanya BA HPP 2nd semester
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STUDENT STUDY PROJECT

**TOPIC: ACTIVITIES OF RED CROSS SOCIETY, HANAMKONDA, TELANGANA IN
HEALTH FOR ALL**

Academic Year 2019 - 20

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8. Ch. Navya BA HEPA 4th semester
9. K. Anand BA 4th semester
10. J.Nirosha BA HPP 4th semester
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14. G.Pavan BA HEPA 4th semester
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16. D.Preethi BA EPP semester
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**TOPIC: RAITHU BHEEMA SCHEME IN TELANGANA STATE A STUDY OF
WARANGAL AND FORT WARANGAL MANDALS**

Academic Year 2019 - 20

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7. K. Aravind BA EPP 1st semester
8. M. LaganR A HEPA 1st semester
9. G ShivalakumarR A HEPA 1st semester
10. A Balakrishna RA HPP 1st semester
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12. D.Lenin BA EPP 1st semester
13. K. Vikram BA HPP 1st semester
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