IDEAL COLLEGE OF ARTS AND SCIENCES (AUTONOMOUS & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA LIST OF VALUE ADDED COURSES

Academic Year 2022-2023

S. No	Name of the Course	Date	Department	Number of Participation
1	A Four Week Value Added Course on Fishery Products	13.06.2022 to 19.07.2022	Fisheries Aquaculture	34
2	A Four week value added course on post harvest technology	28.10.2022 to 13.12.2022	Sustainable Agriculture and agriculture	30
3	A Four week value added course on Investmant Management	14.11.2022 to 20.12.2022	Management Studies	33
4	A Six Week Value Added Course on Introduction to Geogebra	29.11.2022 to 05.01.2023	Maths	20
5	A Four Week Value Added Course on Methodology and perspective of Zoology	01.12.2022 to 31.01.2023	zoology	113
6	A Four Week value added course on Effective Utilization of Bio waste for production of vermicompost	02.12.2022 to 21.02.2023	Agriculture	30
7	A Six week value added course on Local Administration	12.12.2022 to 30.01.2023	Political Science	20
8	A Four Week Value Added Course on Handling of Reagents	12.12.2022 to 29.01.2023	Chemistry	23
9	A Six Week Value Added Course on Indian Cultural and Science	12.12.2022 to 29.01.2023	History	20
10	A Six Week Value Added Course on Applications of Physics in Earth Science	02.01.2023 to 14.02.2023	Physics	30
11	A Four Week Value Added Course on Introduction of coding for App Development by using Scratch Programming	02.01.2023 to 11.02.2023	Computer Science	28
12	A Three Week Value Added Course on Miniature Gardens - Gardening in limited space	03.01.2023 to 08.02.2023	Botany .	30
13	A Four Week Value Added Course on Introduction to Mathematics	03.01.2023 to 08.02.2023	Economics	14

S. No	Name of the Course	Date	Department	Number of Participation
14	A Four Week Value Added Course on Personality Development	09.01.2023 to20.02.2023	English	50
15	A Four Week Value Added Course on MS Office Tools	17.01.2023 to 18.02.2023	AI Robotics	16
16	A Four Week Value Added Course on General Informatic, Bio informatic and Molecular Biology	01.02.2023 to 14.04.2023	zoology	64
17	A Four Week Value Added Course on UNIX operating System	01.04.2023 to 30.04.2023	Computer Science	24
18	A Four Week Value Added Course on Photoshop	06.02,2023 to 15.03,2023	BBA	23
19	A Six Week Value Added Course on Financial Services	14.03,2023 to 20.04.2023	Commerce	57
20	A Two Week Value Added Course on Food Quality and Analysis	23.03.2023 to 11.04.2023	Food Science & Technology	32
21	A Five Week Value Added Course on Bharateeya Bhashalu	31.03.2023 to 10.05.2023	Telugu	30
22	A Four week value added course on Embedded C	01.04,2023 to 30.04.2023	AI Robotics	17
23	A Three Week Value Added Course on Vermicomposting	27.04.2023 to 13.06.2023	Fisheries Aquaculture	37

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KAKINADA

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Principal ideal College of Arts & Sciences (A) KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous &NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

NOTICE

Dt: 01.06.2022

All the I B.Voc students are here by informed that Department of Fisheries and Aquaculture conducting A Four Week value added course on "Value Added Fishery Products" from June 2022 to July 2022.

Interested candidates are register their names with Sri P.V. Lovaraju H O D ofFisheries & Aquaculture, and Course coordinator on or before 10.06.2023.

PRINCIPAL

Principal ideal College of Arts & Sciences (A)

Course Structure & Syllabus 30hr

Objectives:

Increasing the value of the fishery product.

Course Outcomes

Finds better ways for Utilization of low value fish species and providing protein rich convenience foods.

Conversion of low price product into marketable high value product.

UNIT I: TRADITIONAL FISHING PRODUCTS (5hr)

Fish and Prawn Pickles, Fish sauce, Fish Paste. Eg: Fish sausage, Surimi, Cakes, Noodles etc.,

UNIT II: EXTRUDED AND DIVERSIFIED PRODUCTS (10hr)

Diversified fish Products, battered and breaded products, fish fingers,

fish cutlet, fish wafers, fish soup powder etc.,

UNIT III: FISH BY-PRODUCTS & FISH WASTE UTILIZATION (10hr)

Fish Meal, Fish Oils(body & liver),
Fish Silage, Shark Leather, Fish glue,
Fish gelatine, Isinglass, sharkfin
rays, pearl essence.

IDEAL COLLEGE OF ARTS AND SCIENCES

(AUTONOMOUS, NAAC B)

DEPARTMENT OF FISHERIES AND AQUACULTURE
Offering

A FOUR WEEK VALUE ADDED

COURSE ON

VALUE ADDED FISHERY PRODUCTS

Resource person

Dr.S.Jagan Mohan
Assistant professor of
Fisheries and Aquaculture

coordinator

Sri. P.V.Lovaraju
HOD of Fisheries and
Aquaculture

Certificate will be provided on successful completion of course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr.Col.D.S.Raju, a close associate of Netaji Subhas Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr.P.V.N.Raju, Dr.P. Chiranjeevini Kumari, Dr.N.S. R.Sastry and others. The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr.P.V.N.Raju. The Secretary and Correspondent of the College is Dr.P.Chiranjeevini Kumari are nowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year.

The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of coeducation Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was

established and the College now caters to the educational needs of youth around 25Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

ABOUT THE DEPARTMENT

The department of Fisheries and Aquaculture was established since the inception of the college(2019). The faculty members of the department are well experienced in teaching. The Department has a water analysis lab equipment's for Practical's and Maintaining a Culture ponds and bio-Flocks as per U.G.C. Guide lines. The department is maintaining a departmental library with the books of staff members, specimen copies for the ready reference to students to tackle problems in different methods in practical sessions.

ABOUT THE COURSE

The concept of Value added fishery products is not totally new. Value added fish products are usually perceived to be those that have added ingredients such as a coating or sauce. The basic benefits of value addition as far as food is concerned include the functional and emotional benefits related to quality and nutrition and high sensory appeal at reasonable coast. The advantage of course finds a ways of better utilization of low—value fish species and providing protein rich convenience foods.

Registration form

Name:	
Roll No:	
Class:	
Address for correspondence:	
Mobile No:	
Email Id:	

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

A Four Week value added course on "Value Added Fishery Products"

Day wise course schedule

Day	Date	Topic
1	13-06-2022	Introduction to Fishery Products Fish and Prawn Pickles
2	14-06-2022	Fish and Prawn Pickles
3	15-06-2022	Preparation of Pickles
4	16-06-2022	Fish Sauce
5	17-06-2022	Fish paste
6	18-06-2022	Assignment
7	20-06-2022	Diversified Fish Products
8	21-06-2022	Battered Products
9	22-06-2022	Breaded Products
10	23-06-2022	Test
11	24-06-2022	Fish fingers
12	25-06-2022	Fish and Prawn Cutlet
13	27-06-2022	Fish wafers
14	28-06-2022	Fish Soup Powders
15	29-06-2022	Assignment
16	30-06-2022	Preparation of Fish Cutlets
17	01-07-2022	Fish meal
18	02-07-2022	Seminars
19	04-07-2022	Fish Meal
20	05-07-2022	Fish oils
21	06-07-2022	Fish silage

22	07-07-2022	Test
23	08-07-2022	Leathers Products
24	09-07-2022	Fish glue
25	11-07-2022	Fish gelatin
26	12-07-2022	Seminars
27	13-07-2022	Isinglass
28	14-07-2022	Pearl essence
29	18-07-2022	Assignment
30	19-07-2022	Test

Signature of the Coordinator

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM, KAKINADA

Department of Fisheries and Aquaculture

Value Added Course 2021-2022 List of Students

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IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

VALUE-ADDED COURSE REPORT

A Four-week Value-Added Course on "Value added Fishery Products" Organized by Department of Fisheries and Aquaculture(June 2022–July 2022)

Resource Person

: Sri Dr.S.Jagan Mohan

Assistant Professor of Fisheries and Aquaculture

Ideal College of Arts & Sciences, Kakinada. E-mail: https://doi.org/10.1007/journal.com/html. Britania & Sciences, Andrew & Scie

Contact Number: 9908950894

Coordinator

: Sri P.V.Lovaraju,

HOD of Fisheries and Aquaculture

Ideal College of Arts & Sciences, Kakinada E-mail: hodfisheries@idealcollege.edu.in

Contact Number: 8919567363

OBJECTIVES:

Increasing the value of the fishery product.

Topics Covered:

UNIT I: TRADITIONAL FISHING PRODUCTS

Fish and Prawn Pickles, Fish sauce, Fish Paste. Eg: Fish sausage, Surimi, Cakes, Noodles etc.,

UNIT II: EXTRUDED AND DIVERSIFIED PRODUCTS

Diversified fish Products, battered and breaded products, fish fingers, fishcutlet, fish wafers, fish soup powder etc.

UNIT III: FISH BY-PRODUCTS & FISH WASTE UTILIZATION

Fish Meal, Fish Oils(body & liver), Fish Silage, Shark Leather, Fish glue, Fish gelatine, Isinglass, shark fin rays, pearl essence.

UNIT III: FISH BY-PRODUCTS & FISH WADTE UTILIZATION

Fish Meal, Fish Oils(body & liver), Fish Silage, Shark Leather, Fish glue, Fish gelatine, Isinglass, shark fin rays, pearl essence.

Outcome of the Course:

Finds better ways for Utilization of low value fish species and providing protein rich convenience foods. Conversion of low price product into marketablehigh value product.

Number of Participants: 34 Members

Signature of the Coordinator



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM, KAKINADA

DEPARTMENT OF FISHERIES AND AQUACULTURE

This is to Certify that Dr./Ms./Mr./Mrs.	
From	has completed Four week Value Added
Course on "Value Added Fishery Produ	acts" Conducted by the Department of
Fisheries and Aquaculture, Ideal Colleg	ge of Arts & sciences(B), Kakinada from
June 2022 to July 2022.	

Dr.S. Jagan Mohan

Resource Person

P.V.Lovaraju

Coordinator

T. Salenoraneae Dr.T. Satyanarayana

Principal
Ideal College of Arts & Sciences (A)
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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM, KAKINADA

NOTICE

Dt: 17.10.2022

All the IInd year B. Voc Sustinable Agriculture and Agriculture students are here by informed that Department of Agriculture is conducting A Four - week value added course on "Post - Harvest Technology" from October 2022 to December 2022.

Interested candidates are register their names with Course Coordinator Ms, N.Mounica, Assistant Professor, Department of Agriculture on or before

25.10.2022.

7. Sagenperones PRINCIPAL

Principal Ideal College of Arts & Sciences (A) sassina DA Arts & Sciences (A)

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM,

KAKINADA

Department of Agriculture

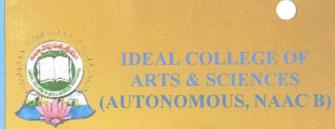
A Four Week Value Added Course on "Post - Harvest Technology" **Day Wise Course Schedule**

Day	Date	Topic
1	28/10/2022	Importance of fruit and vegetable preservation in india
2	29/10/2022	Post harvest losses
3	31/10/2022	Principles of food preservation
4	01/11/2022	Establishment of processing units
5	04/11/2022	Preservatives
6	05/11/2022	Classification of preservatives
7	07/11/2022	Canning
8	09/11/2022	Botteling
9	10/11/2022	Preservation by sugar
10	11/11/2022	Preparation of jam and jelly
11	14/11/2022	Preparation of ketch up and souce
12	15/11/2022	Preservation by salt
13	16/11/2022	Preparation of pickle
14	18/11/2022	Preparation of chutney
15	21/11/2022	Food spoilage
16	22/11/2022	Food poisoning
17	28/11/2022	Food pipeline
18	29/11/2022	Drying
19	30/11/2022	Dehydration
20	01/12/2022	Freezing
21	02/12/2022	Extraction of neera
22	03/12/2022	Seminar
23	05/12/2022	Rubber extraction
24	06/12/2022	Types of tea
25	07/12/2022	Assignment
26	08/12/2022	Processing of tea
27	09/12/2022	Cold storages
28	10/12/2022	Processing of coffee
29	12/12/2022	Shelf life of fruit and vegetable products
30	13/12/2022	Marketing

Choun's Signature of the Coordinator

ABOUT THE INSTITUTION:

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raiu, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V. N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others. The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.



DEPARTMENT OF AGRICULTURE Offering

A FOUR - WEEK VALUE
ADDED COURSE

VALUE ADDED COURSE

"Post - Harvest Technology"

October 2022 to December 2022

Co - Ordinator
N. Sangeetha
Assistant Professor
Ideal college of Arts &
Sciences, kakinada

Resource person
B. Pavithra
Assistant Professor & HOD
Ideal college of Arts &
Sciences, Kakinada

Certificates will be provided on successful completion of the course

ABOUT THE DEPARTMENT

Department of Agriculture was introduced in the year 2019 with well experienced faculty. Department of Agriculture having unique laboratories with finest equipment, maintaining department library with more number of reference books.

ABOUT THE COURSE

Post-harvest technology teaches about preservation, of fruit and vegetable products processing unit establishment and preservation of value added products, and also about the extraction methods of plantation crops and marketing.



POST HARVEST TECHNOLOGY



Course Structure & Syllabus OBJECTIVES:

- 1. The know about processing of fruits & vegetables
- 2. To know about the preservation of fruits & vegetables products.
- 3. Marketing of post harvest products.

COURSE OUTCOMES:

- Students got to know about the processing, preservations on drying, canning, bottling and dehydration.
- 2. Students got to know about the spoilage and food poisoning.

3. Prescribed Text Book:

Post harvest management and value addition of fruits and vegetables - Kartik Pramanik

TOPICS COVERED

Unit-1: Importance and Scope of fruit and Vegetable Preservation in India. Food Pipeline: Losses on Post harvest System General principles and methods of food preservation, Unit Operations in food Processing. Principles and Guidelines for the establishment of processing units. Preservation by using Chemicals

Unit-2: Canning and bottling of fruit and Vegetables Fruit juice and Beverages. Preservation by using Sugar: Jams, Jellies, Marmalades, Preserves, Candies and Crystallised fruits

Unit-3: Drying of fruits and Vegetables. Preservation with Salt and Vinegar: Pickles, Chutney and Sauces Tomato and Mushroom Products.

Unit-4: Freezing of fruits and Vegetables, Spoilage of Processed Products, Processing of Plantation Crops. Quality of fresh and Processed Products.

Co - Curricular Activities:

Seminar/ quiz/ Assignment / Practice

REGISTRATION FORM Student: Roll No.: Class: **Address for Correspondance:** Mobile Number:

E-mail:

IDEAL COLLEGE OF ARTS & SCIENCES: KARINADA

(Autonomous & NAAC B)

Department of Agriculture

Value Added Course

List of Students

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IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM,

KAKINADA

VALUE-ADDED COURSE REPORT

A Four - week Value-Added Course on "Post - Harvest Technology"

Organized by Department Agriculture

October 2022 to December 2022

Resource Person:

Ms. B. Pavithra

Head of the Department of Agriculture

Ideal College of Arts & Sciences(B), Kakinada

Email::pavitraagri@idealcollege.edu.in

Contact Number: 8763296346

Coordinator

N. Mounica

Assistant Professor Department of Agriculture Ideal College of Arts & Sciences(B), Kakinada

Email: mounicaagri@idealcollege.edu.in

Contact Number: 8125733980

OBJECTIVES:

1. The know about processing of fruits & vegetables

2. To know about the preservation of fruits & vegetables products.

3. Marketing of post - harvest products.

:

Topics Covered:

Unit-1: Importance and Scope of fruit and Vegetable Preservation in India. Food Pipeline: Losses on Post harvest System General principles and methods of food preservation, Unit Operations in food Processing. Principles and Guidelines for the establishment of processing units. Preservation by using Chemicals

Unit-2: Canning and bottling of fruit and Vegetables

Fruit juice and Beverages. Preservation by using Sugar: Jams, Jellies, Marmalades, Preserves, Candies and Crystallised fruits

Unit-3: Drying of fruits and Vegetables. Preservation with Salt and Vinegar: Pickles, Chutney and Sauces Tomato and Mushroom Products.

Unit-4: Freezing of fruits and Vegetables, Spoilage of Processed Products, Processing of Plantation Crops. Quality of fresh and Processed Products.

Co - Curricular Activities:

Seminar/ quiz/ Assignment /Practice

COURSE OUTCOMES:

- 1. Students got to know about the processing, preservations on drying, canning, bottling and dehydration.
- 2. Students got to know about the spoilage and food poisoning.

Number of Participants: 30 Members

Mounic.
Signature of the Coordinator



IDEAL COLLEGE OF ARTS & SCIENCES (AUTONOMOUS, NAAC B) KAKINADA

DEPARTMENT OF AGRICULTURE

	Ints is to Certify that Dr./Ms./Mr./Mrs.	
from	has completed Four week Value - added Course	•••••

"Post - Harvest Technology"

Conducted by the Department of Agriculture, Ideal College of Arts & Sciences, Kakinada, from October 2022 to December 2022

Ms. B. Pavithra Resource Person Sri N. Mounica
Coordinator

Dr T. Satyanarayana Principal

Principal
Ideal College of Arts & Sciences (A

IDEAL COLLEGE OF ARTS ANDSCIENCES
(Autonomous & NAAC B)
Dr. P.V.N. RAJU VIDYAPRANGANAM
KAKINADA

NOTICE

Dt: 31.10.2022

All the II B.B.A(Digital Marketing) students are here by informed that the Department of Management Studies is conducting A Four-week value added course on "Investment Management" from November 2022 to December 2022.

Interested candidates are registered their names with Sri V. Kama Raju, H.O.D Management Studies and Course coordinator on or before 10.11.2022.

PRINCIPAL
Principal
Ideal College of Arts & Sciences (A)
KAKINADA

IDEAL COLLEGE OF ARTS & SCIENCES

(Autonomous & NAAC B)

KAKINADA

BBB (Digital Marketing)

"Investment Management"

<u>Day Wise Course Schedule</u>

Day	Date	Topic
1	14-11-22	Introduction to Investment
2	15-11-22	Financial and Economic meaning of Investment
3	16-11-22	Investment and Speculation
4	17-11-22	Investment and Gambling
5	18-11-22	Importance of Investment
6	19-11-22	Seminar
7	22-11-22	Factors Favorable for Investment
8	23-11-22	Features of an Investment Program
9	24-11-22	The Investment Process
10	25-11-22	Group Discussion
11	26-11-22	Growth of Financial System in India
12	28-11-22	Financial Markets
13	29-11-22	Important Stock Markets in India
14	01-12-22	Quiz Program
15	02-12-22	Commercial Banks
16	03-12-22	Development Banks
17	05-12-22	The Relationship of the New Issue Market and Stock Exchange
18	06-12-22	Role of New Issue Market
19	07-12-22	Seminar
20	08-12-22	Development in the New Issue Market
21	09-12-22	Development in the Stock Market
22	10-12-22	Quiz Program
23	12-12-22	Market Indices
24	13-12-22	SENSEX
25	14-12-22	Calculation of SENSEX
26	15-12-22	NIFTY
27	16-12-22	Calculation of NIFTY
28	17-12-22	Introduction to Security Exchange Board of India
29	19-12-22	SEBI Rules and Regulations
30	20-12-22	Group Discussion

Prescribed Text Book

Investment Management -Dr. Preeti Singh

Signature of the Coordinator

Course Structure & Syllabus

30hrs

Objectives

- To enable the students to grasp the basic knowledge in investments.
- To educate the students with the knowledge of stock markets.
- To enable the students for taking important investment decisions.

Outcomes of the course

After Successful Completion of Valueadded Course:

- 1.Student will be able to understand the various investment alternatives.
- Student will be able to understand the financial markets.
- Student will be able to understand various factors favorable for investment.

Syllabus

UNIT- 1 (8hrs)

Introduction to Investment, Financial and Economic Meaning, Process, Importance, Features, Speculation, Gambling

JNIT -2 (8HRS)

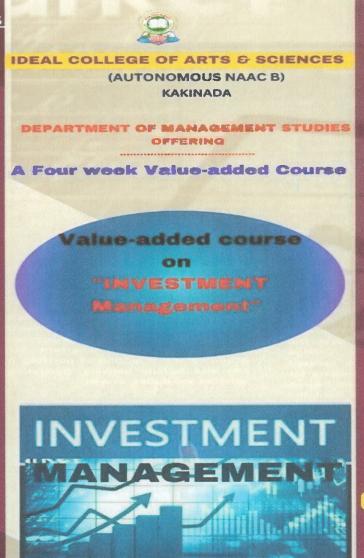
Financial Institutions and Markets in India – Financial System, Financial Markets, Financial Institutions

UNIT-3 (8hrs)

New Issue Market and Stock Exchange in India, Security Exchange Board of India

o-curricular Activities (6hrs)

Group Discussions/Quiz/ Seminar



Resource Person

Mrs.M. Sasi Rekha

Assistant Professor of Management Studies
IDEAL COLLEGE OF ARTS AND SCIENCES
KAKINADA

Coordinator

Sri V. Kama Raju

HOD, Management Studies
IDEAL COLLEGE OF ARTS AND SCIENCES
KAKINADA

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr.P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada, Subsequently Ideal Degree College was renamed as ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

ABOUT THE DEPARTMENT

The Department of Management Studies is privileged to build, train and develop future Managers and Entrepreneurs who can contribute to the success of businesses and national wealth. The department is glad to walk an extra mile to enrich our students with wide range of employability skills with the support of a specialized team of in-house & external trainers.

ABOUT THE COURSE

Investment management refers to the handling of financial assets and other investments—not only buying and selling them. Management includes devising a short- or long-term strategy for acquiring and disposing of portfolio holdings. It can also include banking, budgeting, and tax services and duties, as well.



Investment Management

[m-'ves(U-mant ma-nij-mant)

The handling of financial assets and other investments by professionals for clients.

Registration form

Name:
Roll Number:
Class:
Address for Correspondence:

Mobile No.:
E-mail:

Signature

Ideal College of Arts and Sciences, Kakinada

Department of Management Studies

Value Added Course 2022-2023

List of Students

S.NO	ROLL NUMBER	STUDENTNAME	SIGNATURE
1	2210403201	ALAPATI VENKATESH	
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3	2210403203	BONAGIRI RAJA	B. Thotas
4	2210403204	CHALLA PREM KUMAR	C. Prenaltus
5	2210403205	CHESETTI ASHOK KUMAR	C.A. kumon
6	2210403207	DASARI JHANSI	D. Shansi
7	2210403208	DHARMADI ANIL	D. And
8	2210403209	DONDAPATI AKHIL	P. Akhi
9	2210403211	KANDULA RUSHENDRA	K. RUSHENDRA
10	2210403212	KARRI BALAGOVARDHAN REDDY	V. A. Relly
11	2210403214	KARUPOTHU NAGENDRA BABU	W. N. Baby
12	2210403215	KATURI RAJU	K. Twe
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14	2210403218	KONTHALA DURGA PRASAD	K. D. Housal
15	2210403219	KOYYANI LAKSHMI PRASANNA	K. L. Brasanra
16	2210403220	KUNCHE SANJEEV	K. San Jeev
17	2210403221	KURUPUDI AJAY KUMAR	KATAY
18	2210403222	MANDAPALLI VIKAS	M-Vikas
19	2210403224	MOHAMMAD ANWAR ALI	M. ANWAR
20	2210403225	NAKKA LAKSHMAN	N. lakshman.
21	2210403227	NANDIKOLLA VENU GOPAL	N. Greral
22	2210403228	NARAM YOGESWARA RAO	N. Ynge size
23	2210403229	NUTHALAPATI RAJU	N. RASU
24	2210403230	PALANI BHAGYA RATNAM	P. Bhagharatha
25		PENUMALLU RAMCHARAN	7 7 11
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26	2210403232	PYLA VENKATA DURGA AJAY	P.V. D. AJay
27	2210403233	RAYUDU SRI KRISHNA PRIYA	RSKIBINA
28	2210403234	SAPPA SAIKUMAR	3 Saikunas
29	2210403235	TADI BHARGAVA SIDDHARDHA	T. B. Siddhar
30		THIRUKKOVALLURI SATYA SAI	1 1
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31	2210403238	VAMMI VENKATARAMANA	v. v. Pamana
32	2210403239	VASAMSETTI VIJAYA VAMSI	V. M. Baya VAms
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3.	28/0403803	B. Raja Ch. Priem Kumas
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15	2210403219	K. Laxishmi Priasanna
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· Manual



IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B) KAKINADA

VALUE-ADDED COURSE REPORT

A Four-week Value-Added Course on

"Investment Management"
Organized by Department of Management Studies
(November 2022 – December 2022)

Resource Person:

Mrs. M Sasi Rekha

Assistant Professor of Management Studies

Ideal College of Arts & Sciences

Email.: sasirekhabba@idealcollege.edu.in

Contact Number: 9010753242

Coordinator

Sri V. Kama Raju,

H.O.D Management Studies,

Ideal College of Arts & Sciences(A), Kakinada

Email: hodbba@idealcollege.edu.in

Contact Number: 94928 28230

OBJECTIVES:

To enable the students to grasp the basic knowledge in investments.

To educate the students with the knowledge of stock markets.

To enable the students for taking important investment decisions.

Topics Covered:

<u>UNIT - I</u>

Introduction to Investment, Financial and Economic Meaning, Process, Importance, Features, Speculation, Gambling

UNIT - II

Financial Institutions and Markets in India – Financial System, Financial Markets, Financial Institutions

UNIT-III

New Issue Market and Stock Exchange in India, Security Exchange Board of India

Outcome of the Course:

After Successful Completion of Value-added Course

- 1. Student will be able to understand the various investment alternatives.
- 2. Student will be able to understand the financial markets.
- 3. Student will be able to understand various factors favorable for investment.

Number of Participants: 33 Members

Signature of the Coordinator



IDEAL COLLEGE OF ARTS & SCIENCES (AUTONOMOUS, NAAC B)

KAKINADA

DEPARTMENT OF MANAGEMENT STUDIES

This is to	certify that Dr./Ms./Mr./Mrs.

from	
has completed	Four week Value-added Course on
•	STMENT MANAGEMENT"

Conducted by the Department of Management Studies, Ideal college of Arts & Sciences (A), Kakinada, from November 2022 to December 2022

M. SASI REKHA

RESOURCE PERSON

V. KAMA RAJU

COORDINATOR

T. SATYANARAYANA

PRINCIPAL

Principal Ideal College of Arts & Sciences (A)
KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM **KAKINADA**

NOTICE

Dt: 06.10.2022

All the I B.Sc., students are hereby informed that Department of Mathematics is conducting A Six-week value added course on "Introduction to GeoGebra" from November 2022 to December 2022.

Interested candidates are requested to register their names Sri D.P.S Kiran, H O D Mathematics and Course coordinator on or before 24.10.2022.

Principal (deal College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS & SCIENCES: KAKINADA

(Autonomous & NAAC B)

B.Sc. MATHEMATICS

Introduction to GeoGebra

Day Wise Course Schedule

Day	Date	Topic
1.	29-11-2022	Installation and Introduction of GeoGebra
2.	30-11-2022	Basic Use of tools
3.	-01-12-2022	Drawing versus Geometric Construction
4.	02-12-2023	Saving GeoGebra files, drawing constructions and Drag Test
5.	03-12-2022	Practice
6.	05-12-2022	Rectangle construction, Equilateral Triangle Construction
7.	06-12-2022	Practice Block-I
8.	07-12-2022	Assignment
ð,	08-12-2022	Basic Algebraic Input, Commands and functions
10,	09-12-2022	Constructing Tangents to a circle
11.	10-12-2022	Exploring Parameters of a Quadratic Polynomial
12.	12-12-2022	Using Sliders to Modify Parameters, Library of Functions
13.	13-12-2022	Export of Pictures to the Clipboard
14.	14-12-2022	Inserting Pictures into a Text Processing Document
15.	15-12-2022	Practice Block II

16.	16-12-2022	Conduct Quiz Competition
17.	17-12-2022	Inserting Pictures into the Graphics View & Inserting Text into the Graphics View
18.	19-12-2022	Coordinates of Reflected Points and Rotation of a Polygon
19.	20-12-2022	Practice Block III
20.	21-12-2022	Combining Spread sheet View Graphics View
21.	26-12-2022	Record of spreadsheet and Relative copy and linear equations
22.	27-12-2022	Best fit line and exploring basic statistics, Creating Static Instructional Materials
23.	28-12-2022	Assignment
24.	29-12-2022	Creating Dynamic Worksheets, Saving Pictures as Files
25.	30-12-2022	Student Seminar
26.	31-12-2022	Inserting Pictures into a Text Processing Document
27.	02-01-2023	Creating Dynamic Worksheets
28.	03-01-2023	Enhancing Dynamic Worksheets, Providing Dynamic Worksheets to Students
29.	04-01-2023	Practice Block IV
30.	05-01-2023	Assignment

Prescribed Text Book:

Introduction to Geogebra - Judith and Markus Hohenwarter

Signature of the Coordinator

Course Structure & Syllabus

30 hrs

OBJECTIVES:

The main objective of the program is to know the importance of GeoGebra for creating 3D pictures and to understand the basic capabilities of GeoGebra.

COURSE OUTCOMES:

- 1. Student can able to visualize 3D pictures
- 2. GeoGebra gives the experience of constructivist learning of Solid geometry
- 3. Student can perceive drawing the graphs using technology

UNIT-I (6 Hours)

Installation and Introduction of GeoGebra, Drawing versus Geometric Construction, Practice Block-I, Basic Algebraic Input

UNIT - II (6 Hours)

Commands and Functions Export of Pictures to the Clipboard, Practice Block II

UNIT - III (6 Hours)

Inserting Pictures into the Graphics View, Inserting Text into the Graphics View, Practice Block III

UNIT - IV (6 Hours)

Combining Spread sheet View & Graphics View, Creating Static Instructional Materials, Creating Dynamic Worksheets, Practice Block IV

Co-Curricular Activities (6 Hours)

Seminar/ Quiz/ Assignments/ Practice

Prescribed Text Book:

Introduction to Geogebra - Judith and Markus Hohenwarter



(AUTONOMOUS, NAAC B)

DEPARTMENT OF MATHEMATICS Offering

A SIX WEEK VALUE ADDED COURSE

VALUE ADDED COURSE

ON

INTRODUCTION TO GEOGBRA

(November 2022- December 2022)

GeoGebra

Dynamic Mathematics for Everyone

Coordinator

Sri. D.P.S. Kiran N.O.D. Mathematics Ideal College of Arts & Sciences (A), Kalinada

Resource person

Ms. A Ch Sravanthi
Asst. Prof. of Mathematics
Ideal College of Arts & Sciences (A),
Kakinada

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

BOUT THE DEPARTMENT

The department of mathematics was established since the inception of the college. The faculty members of the department are well experienced in teaching. The Department has a mathematics lab (for problem solving sessions) equipped with a computer to work for Practical's as per U.G.C. Guide lines. The department is maintaining a departmental library with the books of staff members, specimen copies of publishers nearly 275 in number, for the ready reference to students to tackle problems in different methods in practical sessions.

ABOUT THE COURSE

GeoGebra is dynamic mathematics software for schools that joins geometry, algebra and calculus. On the one hand, GeoGebra is an interactive geometry system. You can do constructions with points, vectors, segments, lines, and conic sections as well as functions while changing them dynamically afterwards. On the other hand, equations and coordinates can be entered directly. Thus, GeoGebra has the ability to deal with variables for numbers, vectors, and points. It finds derivatives and integrals of functions and offers commands like Root or Vertex.

REGISTRATION FORM

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Roll No	
Class.	
Class	•
Address for	
Correspondence	
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E-mail	:
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IDEAL COLLEGE OF ARTS & SCIENCES(A), KAKINADA

DEPARTMENT OF MATHEMATICS

Value added Course 2022-23

Introduction to GeoGebra

List of Eurolled Students

S.No	Roll No.	Student Name	Signature of the student
1	2220402002	3.Gangadhar	B. C. aryadhar
2	2220402006	U. Veera Chakra	O. Verrachalana
3	2220402203	E. Bhargavi	G. Bhaggaus
4	2220402210	R.Kiran Kumar	R. Kican Komar
5	2220402216	P.Manikanta Swami	P. Maritanta scami
5	2220402223	G.Rajesh	G. Rajest
7	2220402226	P.Sai Deepika	P. Son Despelo
3	2220402228	J.Satish	- Satish
9	2220402230	R.Srideví	R. Sordeve
10	2220402234	L. Vamsi	L. Vamfi
11	2220402235	M. Veera Lakshmi	B-EW ncolor Johns
12	2220402239	K.Yehoshuva	k-Beroshaa,
13	2220402403	K.D.Nagalakshmi	K. D. Sagadakshmi
14	2220402407	R.Nageswara Rao	R-Nages NWARAO
15	2220402409	Ch.P.SMounika	Ch. P.S. Mounika
16	2220402413	B.Srinivas	R. Sard-ulyers
17	2220402415	V.Sri ram	V. Soft Gram
18	2220402418	S. Veerababu	s. veexabalas.
19	2220402421	N.Pravallika	N. Pravallika
-20	2220402423	S.Manikanta	S. nianileaux

		Attendance Register प्राचीतिक स्थापिक	क्ष्म के	ST
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006	E. Bhargavi	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	PPPACPPPPPPPP	
210	R. Kivan Kumar	PappaffPPPPPP	PPPPPAPPPPPPPPP	
816	P. Manikanta Swami	PPaPPPPPPPP	PEPPPPPPPPPP	
223	a. Rayesh	PPO aPPPPPAA	IPPPAPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	
ଅଷଣ	P: Sai Deepika	PPPPPPPPPP	PEPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	
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230	P. Sridevi	arrppppppppppp	PEPPPPAAPPPAPPP	
234	L. Vamsi	PParppearpp	PPPAAPPAAPPPPPPP	
235	M. vecra lakshmi	PPPAPPPPAPPP	A PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	
239	K-Yehoshuva	PPAPPAPPPPPP	PPPPPABPPPPPPPP	
403	K.D. Nagalakshmi	PPPaPPPPPPP	PPPPPPPPPPPPPPP	
407	R. Nagerwara Rao	PalPPPPPPPP	PPPPAPPPPPPPPPP	
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IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B) KAKINADA

REPORT

A Six-week Value-Added Course on "Introduction to GeoGebra" Organized by Department of Mathematics (November 2022 – December 2022)

Resource Person:

Ms. A Ch Sravanthi,

Assistant Professor of Mathematics

Ideal College of Arts & Sciences(A), Kakinada

Email.: chandisravanthi9@gmail.com

Contact Number: 7569311909

Coordinator

Sri D.P.S. Kiran,

H.O.D Mathematics

Ideal College of Arts & Sciences(A), Kakinada

Fmail: kiransujeeva888@gmail.com

Contact Number: 9290059854

Objectives:

The main objective of the program was to know the importance of GeoGebra for creating 3D pictures and to understand the basic capabilities of GeoGebra

Topics Covered :

<u>UNIT - I</u>

Installation and Introduction of GeoGebra, Drawing versus Geometric Construction, Practice Block-I, Basic Algebraic Input

UNIT – II

Commands and Functions Export of Pictures to the Clipboard, Practice Block II

UNIT -- III

Inserting Pictures into the Graphics View, Inserting Text into the Graphics View, Practice Block III

UNIT - IV

Combining Spread sheet View & Graphics View, Creating Static Instructional Materials, Creating Dynamic Worksheets, Practice Block IV

Outcome of the Course:

After Successful Completion of Value-added Course

- 1. Student can able to visualize 3D pictures
- 2. Student can experience the constructivist learning of Solid geometry
- 3. Student can perceive drawing the graphs using technology

Number of Participants: 20 Members

Signature of the Coordinator



IDEAL COLLEGE OF ARTS & SCIENCES (AUTONOMOUS, NAAC B) KAKINADA

DEPARTMENT OF MATHEMATICS

A SIX WEEK VALUE-ADDED COURSE ON "INTRODUCTION ON GEOGEBRA"

This is to Certify that Dr./Ms./Mr./Mrs.

from

has completed A Six week Value-added Course on

"Introduction on GeoGebra"

Conducted by the Department of Mathematics,

 $Ideal\ College\ of\ Arts\ \&\ Sciences(A),\ Kakinada,$

from November 2022 to December 2022

Ms. A Ch Sravanthi

Resource Person

Sri D.P.S. Kiran
Coordinator

Dr T. Satyanarayana

Principal Principal Ideal College of Arts & Science

KAKINADA



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

NOTICE

Date: 20.11.2022

All the I, II, III B. Sc., BZC students are here by informed that Department of Zoology is conducting A four-week value added course on "Methodology and Perspectives of Zoology" from December 2022 to January 2023.

Interested candidates are requested to register their names with Sri T. Pradeep Sastry, Assistant Professor of Zoology and Course Coordinator on or before 30.11.2022.

7-Selfinimere PRINCIPAL

Principal ideal College of Arts & Sciences (A) KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous, NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA

DEPARTMENT OF ZOOLOGY

Value added Course for the year 2022-2023

A Four Week Value Added Course on "Methodology and Perspectives of Zoology"

S.No	Date	Торіс
1.	01.12.2022	Science- Definition
2.	03.12.2022	Scientific theory
3.	06.12.2022	Hypothetic deductive and inductive models
4.	07.12.2022	Human life - Positive and negative aspects
5.	08.12.2022	Design of experiments-observation
6.	10.12.2022	Data collection
7.	13.12.2022	Data interpretation
8.	14.12.2022	significance of statistical tools
9.	15.12.2022	Experiment to test a hypothesis
10.	17.12.2022	preliminary and explorative experiments
11.	20.12.2022	Introduction to Biostatistics
12.	21.12.2022	Frequency distribution
13.	22.12.2022	Line diagram; Bar diagram; Pie chart; Histogram
14.	24.12.2022	Standard deviation
15.	27.12.2022	Null hypothesis

	16.	28.12.2022	Level of significance
	17.	29.12.2022	Types of microscopes
	18.	31.12.2022	Fluorescent microscope
	19.	02.01.2023	Phase contrast microscope
	20.	04.01.2023	sectioning and staining techniques of light
			microscopy
	21.	06.01.2023	Embedding
	22.	09.01.2023	Dead animals
	23.	10.01.2023	Branches of Zoology
	24.	19.01.2023	Central Institute of Fisheries Technology
	25.	21.01.2023	Nature and scope of Zoology
	26.	23.01.2023	Indian Institute of Science
	27.	24.01.2023	Centre for DNA Fingerprinting and Diagnostics
	28.	27.01.2023	Central Drug Research Institute
	29.	30.01.2023	Student Seminar
	30.	31.01.2023	Review of the Value added course
- 1			

Signature of the Coordinator 5

Course Structure & Synabus

30 hrs

OBJECTIVES:

To learn the fundamental characteristics of science as a human enterprise

- To understand how science works
- To study to apply scientific methods independently

COURSEOUTCOMES:

The students are taught the functioning aspects of the human body at molecular level. At the end of this course the students will be able to appreciate the anatomical and physiological aspects of the human body. Module- I

Introduction to Science: Science- Definition, Major branches (Physical, Life and Earth science) Fields of science in biology, Scientific Methods (observation, prediction, experiment, hypothesis, consistency, theory) Scientific theory, Scientific Law, Scientific Revolution, Scientific naming, Scientific temper, Empiricism, Hypothetic deductive and inductive models, Simulation and virtual testing, Evidences and Proofs Impact of science in human life - Positive and negative aspects.

Types of knowledge: Practical, Theoretical and Scientific knowledge; Information, Pseudoscience.

Module - II

Experimentation in science: Design of experiments-observation, data collection, nature and types of data (typical examples), treatment of data, data interpretation, significance of statistical tools in data interpretation. Experimentation: Selection of controls, Observational requirements, Instrumental requirements.

Types of experiments: Experiment to test a hypothesis, to measure a variable or to gather data by preliminary and explorative experiments.

Observations: Direct and indirect observations, Controlled and uncontrolled observations, Human and machine observations.

Sampling methods: Qualitative sample, Quantitative sample, Random sample, Non random samples. Ethics in science: (brief account only), publications and patents, plagiarism.

Module - III

Data collection and presentation: 14 Hrs Introduction to Biostatistics: Variable and attribute; Population vs. Sample; Census vs. Sample survey; Arrangement of data; Frequency distribution.

Graphical presentation of data: Line diagram; Bar diagram; Pie chart; Histogram.

Measures of central tendency: Arithmetic mean; Mode; Median.

Measures of dispersion: Variance; Standard deviation; Standard error of mean; Standard score.

Testing of hypothesis and goodness of fit: Null hypothesis, Level of significance, Probability, Normal distribution, Error of inference, Student's t-test, Paired t-test, Fisher's t-test, Chi-square test.

Module - IV

Methods in Biological Science and Solutions: Microscopes: Principle, Types of microscopes- Dissection microscope, Light

microscope, Dark field microscope, Fluorescent microscope, Phase contrast microscope, Electron microscope (SEM, TEM); Microtome (Different Types), Embedding, sectioning and staining techniques of light microscopy:

Preservation of biological specimens: Taxidermy, Fossils, Dead animals (formalin); Photometry: Colorimetry and Spectrophotometry, Principle, Working and uses.

Module V

Nature and scope of Zoology: Branches of Zoology, Opportunities as Zoologist, Institutes of Zoological and Scientific importance in India- Location, major achievements and present activities (academic and scientific) [Zoological Survey of India, Central Marine Fisheries Research Institute, Central Institute of Fisheries Technology, Rajiv Gandhi Centre for Biotechnology, Bioinformatics Centre and Library, Indian Institute of Science, Stem Cell Institute, National Institute of Immunology, Centre for Cellular & Molecular Biology, Centre for DNA Fingerprinting and Diagnostics, Central Drug Research

NB: Assignments/ Seminar - Topics related to syllabus can be given to students as assignment/seminar.



IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC

DEPARTMENT OF ZOOLOGY OFFERING

A FOUR WEEK VALUE ADDED COURSE

"Methodology and Perspectives of Zoology"

(December 2022 - January 2023)

Coordinator

Sri T. Pradeep Sastry **Assistant Professor of** Zoology Ideal College of Arts and Sciences(A), Kakinada

Resource Person

Sri Y. Ayyanna HOD, Zoology Ideal College of Arts and Sciences(A), Kakinada

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION

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About the Department

The Department of Zoology was started in 1974. It enjoys the experience of the able and dedicated faculty and benevolent leadership of the stalwart academicians. The Departments have a well equipment to cater the need of students for their practical oriented curriculum. The Department also having good number of specimens, models, charts, along with LCD projector, OHP, Monoculars, Binoculars, Trinoculars, Oven, High speed centrifuges and a good musium.

About the Course

To learn the basics of systematics and understand the hierarchy of different categories. • To learn the diagnostic characters of different phyla through brief studies of examples. • To obtain an overview of economically important invertebrate fauna.

REGISTRATION FORM

Name of the Stud	ient :	
Roll No	:	
Class	:	
Address for		
Correspondence	:	
Mobile Number	:	
E-mail	:	

Signature

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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

VALUE ADDED COURSE REPORT

A four week Value-added Course on "Methodology and Perspectives of Zoology" organized by Department of Zoology

(December 2022 - January 2023)

Resource Person

Sri Y. Ayyanna

HOD, Zoology

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: ayyannayandamuri@gmail.com

Contact Number: 9948245458

Coordinator

Sri T. Pradeep Sastry

Assistant Professor of Zoology

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: pradeepsastryideal@gmail.com

Contact Number: 9704313632

Objectives:

To learn the fundamental characteristics of science as a human enterprise

- To understand how science works
- To study to apply scientific methods independently

Topics Covered:

Module-I

Introduction to Science: Science- Definition, Major branches (Physical, Life and Earth science) Fields of science in biology, Scientific Methods (observation, prediction, experiment, hypothesis, consistency, theory) Scientific theory, Scientific Law, Scientific Revolution, Scientific naming, Scientific temper, Empiricism, Hypothetic deductive and inductive models, Simulation and virtual

testing, Evidences and Proofs Impact of science in human life - Positive and negative aspects.

Types of knowledge: Practical, Theoretical and Scientific knowledge; Information, Pseudoscience.

Module - II

Experimentation in science: Design of experiments-observation, data collection, nature and types of data (typical examples), treatment of data, data interpretation, significance of statistical tools in data interpretation. Experimentation: Selection of controls, Observational requirements, Instrumental requirements.

Types of experiments: Experiment to test a hypothesis, to measure a variable or to gather data by preliminary and explorative experiments.

Observations: Direct and indirect observations, Controlled and uncontrolled observations, Human and machine observations. Sampling methods: Qualitative sample, Quantitative sample, Random sample, Nonrandom samples. Ethics in science: (brief account only), publications and patents, plagiarism.

Module - III

Data collection and presentation: 14 Hrs Introduction to Biostatistics: Variable and attribute; Population vs. Sample; Census vs. Sample survey; Arrangement of data; Frequency distribution.

Graphical presentation of data: Line diagram; Bar diagram; Pie chart; Histogram.

Measures of central tendency: Arithmetic mean; Mode; Median.

Measures of dispersion: Variance; Standard deviation; Standard error of mean; Standard score.

Testing of hypothesis and goodness of fit: Null hypothesis, Level of significance, Probability, Normal distribution, Error of inference, Student's t-test, Paired t-test, Fisher's t-test, Chi-square test.

Module - IV

Methods in Biological Science and Solutions: Microscopes: Principle, Types of microscopes- Dissection microscope, Light microscope, Dark field microscope, Fluorescent microscope, Phase contrast microscope, Electron microscope (SEM, TEM); Microtome (Different Types), Embedding, sectioning and staining techniques of light microscopy;

Preservation of biological specimens: Taxidermy, Fossils, Dead animals (formalin); Photometry: Colorimetry and Spectrophotometry, Principle, Working and uses.

Module V

Nature and scope of Zoology: Branches of Zoology, Opportunities as Zoologist, Institutes of Zoological and Scientific importance in India- Location, major achievements and present activities (academic and scientific) [Zoological Survey of India, Central Marine Fisheries Research Institute, Central Institute of Fisheries Technology, Rajiv Gandhi Centre for Biotechnology, Bioinformatics Centre and Library, Indian Institute of Science, Stem Cell Institute, National Institute of Immunology, Centre for Cellular & Molecular Biology, Centre for DNA Fingerprinting and Diagnostics, Central Drug Research Institute].

NB: Assignments/ Seminar – Topics related to syllabus can be given to students as assignment/seminar.

Outcomes of the Course:

After Successful Completion of Value-added Course

The students are taught the functioning aspects of the human body at molecular level.

 \Box At the end of this course the students will be able to appreciate the anatomical and

physiological aspects of the human body.

Number of Participants: 113 Members

Signature of the Coordinately



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr./Ms./Mrs
Fromhas completed four week value added course on
"Methodology and Perspectives of Zoology" conducted by the Department of
Zoology, Ideal College of Arts and Science(A), Kakinada, from February 2023 to
April 2023.

Resource Person

Srl T. Pradeep Sastry Coordinator

Dr. T. Satyanarayana

Principal
Principal
Ideal College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

NOTICE

Dt: 22.11.2022

All the Ist year Bsc Agriculture and rural development students are here by informed that Department of Agriculture is conducting A Four - week value added course on "Effective utilization of Bio – waste for production of vermicompost" from December 2022 to February 2023.

Interested candidates are register their names with Course Coordinator Mr, B. Rohit Kumar, Assistant Professor, Department of Agriculture on or before 30.11.2022.

PRINCIPAL

Principal

Ideal College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM

KAKINADA

Department of Agriculture

A Four Week Value Added Course on "Effective utilization of Bio – waste for production of vermicompost" <u>Day Wise Course Schedule</u>

Day	Date	Topic
1	02/12/2022	Introduction to vermiculture
2	05/12/2022	History of vermiculture
3	07/12/2022	Economic of importance of vermiculture
4	12/12/2022	Species of earthworms
5	13/12/2022	Maintainance of soil structure
6	17/12/2022	Identification of species
7	26/12/2022	Role of earthworms in agriculture
8	28/12/2022	Role of earthworms in bio waste management
9	03/01/2023	Classification of waste materials
10	04/01/2023	Classification of bio degradable materials
11	05/01/2023	Vermicomposting techniques
12	07/01/2023	Preparation techniques
13	09/01/2023	Waste material disposal techniques
14	10/01/2023	Waste material disposal techniques
15	18/01/2023	Material required for vermicompost
16	23/01/2023	Material required for vermiwash
17	24/01/2023	Nutrient status of soil
18	26/01/2023	Assessment of nutrient status of soil before vermicompost application
19	01/02/2023	Segregation and processing of waste materials
20	02/02/2023	Assessment of nutrient status of soil after vermicompost application
21	03/02/2023	Classification of nutrients
22	06/02/2023	Macro and micro nutrients
23	07/02/2023	Application methods of vermicompost to the soil
24	09/02/2023	Application methods of vermiwash to the soil
25	10/02/2023	Production of organic manures
26	13/02/2023	Assignments
27	15/02/2023	Role of human in bio degradable waste management
28	16/02/2023	Activity status of vermicompost
29	20/02/2023	Activity status of earthworms in vermicompost
30	21/02/2023	Packaging, storing and marketing techniques of vermicompost

Signature of the Coordinator

ABOUT THE INSTITUTION:

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V. N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others. The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.



DEPARTMENT OF AGRICULTURE Offering

A FOUR - WEEK VALUE ADDED COURSE

VALUE ADDED COURSE ON

"Effective utilization of Bio – waste for production of vermicompost"

(December 2021 to March 2022)

Co — Ordinator B. Rohit Kumar Assistant Professor Ideal college of Arts & Sciences, kakinada Resource person G. Venkata Raju Assistant Professor Ideal college of Arts & Sciences, Kakinada

Certificates will be provided on successful completion of the course

ABOUT THE DEPARTMENT

Department of Agriculture was introduced in the year 2019 with well experienced faculty. Department of Agriculture having unique laboratories with finest equipment, maintaining department library with more number of reference books.

ABOUT THE COURSE

Understanding the role of worm farming in Modern Farming, Understanding the potential of vermicompost as an alternative to chemical fertilizers, Role of vermicultre in maintaining the health of soil and humans, Economic importance of vermiculture, Role of Vermiculture in protecting the environment and managing the waste.



Course Structure & Syllabus OBJECTIVES:

The main objective of the program is to know about the biowaste management and preparation of Organic manures (Vermicompost).

COURSE OUTCOMES:

production of organic fertilizers. Students got to know about species

and diversification of bio - waste.

Prescribed Text Book: PRINCIPLES
OF ORGANIC FARMING - SR REDDY

TOPICS COVERED

UNIT - I:

Vermiculture, History, Economics, importance.

UNIT - II:

Maintenance of soil structure, role of earthworms, production of organic fertilizers.

UNIT - III:

Classification of waste material, disposal techniques.

UNIT - IV:

Preparation & processing methods of vermicompost.

Co - Curricular Activities: Seminar/ quiz/

Assignment /Practice

Outcome of the Course:

After Successful Completion of Value-added Course

REGISTRATION FORM Student: Roll No.: Class: Address for Correspondance:

Mobile Number:

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM

KAKINADA

Department of Agriculture

IDEAL COLLEGE OF ARTS & SCIENCES: KAKINADA (Autonomous & NAAC B)

Department of Agriculture

Value Added Course

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IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM

KAKINADA

VALUE-ADDED COURSE REPORT

A Four - week Value-Added Course on "Effective utilization of Bio - waste forproduction of vermicompost"

Organized

by

Department

Agriculture (December 2022 -

February 2023)

Resource Person:

G. Venkata raju

professor, Assistant Agriculture Ideal College of Arts

of Department

Sciences(B),

Kakinada

Email.venkatagri@idealcollege.edu.in

Contact Number: 8497957002

Coordinator:

Mr. B. Rohit Kumar

Assistant

Professor

Department

of

Agriculture Ideal College of Arts Sciences(B),

Kakinada

Email:

rohitagri@idealcollege.edu.in

Contact Number: 8330979022

OBJECTIVES:

The main objective of the program is to know about the biowaste management and preparation of Organic manures (Vermicompost).

Topics Covered:

UNIT - I (6 hours):

Vermiculture, History, Economics, importance

UNIT - II (6 hours):

Maintenance of soil structure, role of earthworms, production of organic fertilizers.

UNIT - III (6 hours):

Classification of waste material, disposal techniques.

<u>UNIT – IV (8 hours):</u>

Preparation & processing methods of vermicompost

Co - Curricular Activities (4

hours) Seminar/ quiz/ Assignment

/Practice. Outcome of the

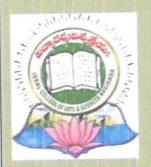
Course:

After Successful Completion of Value-added Course

- 1. Students got to know about species of Earthworms, biodegradable waste.
- 2. Student can experience the organic manure preparations uses, and diversification ofbiowaste
- 3. Student can experience the methodologies of soil cultivation.

Number of Participants: 30 Members

Signature of the Coordinator



IDEAL COLLEGE OF ARTS & SCIENCES (A.P.GOVT., AUTONOMOUS, NAAC B) KAKINADA DEPARTMENT OF AGRICULTURE

This is t	to certify	that Dr./Ms.	/Mr./Mrs.
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	from
	has completed Four week Value-added Course on
Effective utilization of Bio – waste for produc	ction of vermicompost" Conducted by the Department
of Agriculture, Ideal College of Arts & Sciences((A), Kakinada, from December 2022 to February 2023.

G. Venkata Raju

Resource Person

B. Rohit Kumar

Coordinator

T- Suljumene

Dr. T. Sathyanarayana

Principal Principal Ideal College of Arts & Sciences (A)



NOTICE

Date: 01.12.2022

All the I B.A students are here by informed that Department of Political Science is conducting A Six-week value added course on "Local Administration" from December 2022 to January 2023.

Interested candidates are requested to register their names with Dr. K. Swamiji, HOD, Political Science and Course Coordinator on or before 10.12.2022.

PRINCIPAL WORKHOOD SON PORTAL MARINERS SON PORTAL MARINERS SON PORTAL MARINERS SON PORTAL MARINERS AND MARINE

Course Structure & Syllabus

30 hrs

OBJECTIVES:

Students after successful completion of the course will be able to.,

The local government ensures a safe and stable environment where social and economic development can occur by provide physical infrastructure such as roads, water supply, waste management information and communication technology, promoting public health, education, and environmental sustainability.

COURSEOUTCOMES:

After Successful Completion of Value-added Course

Course Outcomes are the statements that help the learners to understand the reason for pursuing the course and helps him to identify what he will be able to do at the end of the course.

Unit: 1

Local Government: Meaning, Nature and Importance, Thoughts on Local Governments by M.K. Gandhi, Jawaharlal Nehru and Dr. B.R.A. Ambedkar, Importance Committees: Balwant Rai Mehta (1957), Ashok Mehta (1978), L.M. Singhvi (1986).

Unit: 2

Decentralization of powers (Political, Administration and Economic) from the States to Local Institution- 73rd and 74rd Constitutional Amendment Acts-Empowering Local Governments- Decision making powers during crisis and disasters-Relationship between local government authorities and Central and State Government service providers-Role of District College in Strengthening LGIs.

Unit: 3

Revenue raising avenues for Local Governments-Grants, Aid and support from Centre and State Governments-Public Private Partnerships-Concept of Local Development-Village as a unit, SWOC analysis of a village, existing conditions, expected developmental opportunities, the gap, natural, government and private resources, Year-wise planning, finances required-Role of Local Governments in implementation of Welfare and developmental programmesi.e., (MGNREGS), (SGSY), (IAY) and (PURA).

Unit: 4

Challenges for Local Administration, Financial, administrative and Political Constraints-Public relation in Local Administration-Need for training for elected representatives and other stakeholders-Audit training and Participatory training.

Unit: 5

Preparation of Reports-Minutes and Documentation-Types of Reports, Content of Minutes-Methods of Documentation-Best Practices of Reporting on functioning of Local Administration-Use of ICT in Documentation.



SCIENCES (Autonomous & NAAC B)

SCIENCE OFFERING

A FOUR WEEK VALUE ADDED COURSE

ON

"LOCAL ADMINISTRATION"

(DECEMBER 2022 TO JANUARY 2023)

Resource Person

Smt. P.V.B. Devi Lecturer in Political Science A.S.D. Womens College, Kakinada

Coordinator

Dr. K. Swamiji
Lecturer in Political
Science
Ideal College of Arts and
Sciences(A), Kakinada

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

About the Department

The Department of Political Science was started in 1974 along with the other under graduate course as to import education to the needy of the youth who pursuing Education of a nearby villages and Kakinada town in Particular.

The Department was established by the then start warts like the Sri N. Rama Rao and others who brought name and fame to the department and trained No. of students to acquire High position all over to the world.

The Department includes a faculty room and well aerated Lectures Hals, Departmental library and other that rare collections to tell us about History.

About the Course

A course in administration develops an individual's knowledge and experience of the inner workings of a business to help it run smoothly in the day-to-day operations.

REGISTRATION FORM

Name of the Stude	nt:
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Signature

DEPARTMENT OF POLITICAL SCIENCE

Value added Course for the year (2022-2023)

A Four Week Value Added Course on "Local Administration"

Day Wise Course Schedule

S.No	Date	Торіс
1.	12.12.2022	Introduction of Local Government
2.	13.12.2022	Meaning of Local Government
3.	14.12.2022	Nature of Local Government
4.	15.12.2022	Importance of Local Government
5.	16.12.2022	Thoughts on Local Governments by M.K. Gandhi, Jawaharlal
*		Nehru and Dr. B.R.A. Ambedkar
6.	17.12.2022	Importance Committees
7.	19.12.2022	Assignment – I
8.	20.12.2022	Decentralization of powers (Political, Administration and Economic)
9.	21.12.2022	73 rd and 74 rd Constitutional
10.	22.12.2022	Acts-Empowering Local Governments
11.	23.12.2022	Relationship between local government
12.	27.12.2022	service providers-Role of District College in Strengthening
	2	LGIs.
13.	28.12.2022	disasters- authorities
14.	29.12.2022	Revenue raising avenues for Local Governments

15.	02.01.2023	Aid and support from Centre and State Governments
16.	04.01.2023	Grants, -Public Private Partnerships
17.	05.01.2023	Concept of Local Development-Village as a unit
18.	06.01.2023	Year-wise planning
19.	07.01.2023	required-Role of Local Governments
20.	09.01.2023	finances in implementation of Welfare and developmental
		programmes i.e., (MGNREGS), (SGSY), (IAY) and (PURA).
21.	10.01.2023	Assignment – II
22.	18.01.2023	Student Seminar
23.	19.01.2023	Group Discussion
24.	20.01.2023	Challenges for Local Administration
25.	23.01.2023	Local Administration-Need for training for elected
а		representatives
26.	24.01.2023	Political Constraints-Public relation
27.	25.01.2023	Use of ICT in Documentation.
28.	27.01.2023	Types of Reports, Content of Minutes-Methods of
		Documentation
29.	28.01.2023	Best Practices of Reporting on functioning of Local
		Administration
30.	30.01.2023	Review

Signature of the Courdinator

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous, NAAC B)

Dr. p.v.n. raju vidyapranganam Samalkot road, kakinada DEPARTMENT OF POLITICAL SCIENCE

Value added Course for the year 2022-2023

List of Students

		List of Students	
S.No	Roll Number	Name of the Student	Signature
1.	2220401001	AJAY KAKADA	K. ATay
2.	2220401002	AJAY KUMAR KONDIPUDI	Asay. K
3.	2220401003	ANAND KUMAR DORA PANDA	B. B. K. Doler
4.	2220401004	ANJI BABU CHINNAM	Anji.L
5.	2220401005	B N D A APPARAO PEDAPUDI	P.R. 8 Das
6.	2220401006	BALU KUMAR UNDRU	BAW KUMPR U
7.	2220401007	BHAVANI SHENKAR KOWLU	IC. B Shenka
8.	2220401008	DIVYA SANTOSHI MULASA	M. Dingamil
9.	2220401009	DORABABU DEYYALA	p. Dorator
10.	2220401010	GANGA SURYA PRAKASH RAYI	G. S. P. PAYI
11.	2220401011	JAYA RAM VANAPALLI	V. Jakon
12	2220401012	KEERTHI PALLA	Heesthi p
13	. 2220401013	LALITHA PALLA	P. LaliTHA
14	2220401014	LAVANYA KUDUPUDI	12. Lavourgo
15	. 2220401015	MEGHANA SHALINI PERUGULA	P. B. MEGHAN
16	2220401016	NIKITHA VANUMU	Milia
17	7. 2220401017	PADMAVATHI PANDA	PAMAUATLI . P
18	3. 2220401018	PRIYANKA KONALA	Q. Pringenbe
19	2220401019	RAGU VARMA UNDRASAPU	U. R. Houma
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VALUE ADDED COURSE REPORT

A four week Value-added Course on "Local Administration" organized by Department of Political Science

(December 2022 - January 2023)

Resource Person

Smt. P.V.B. Devi

Lecturer in Political Science

A.S.D. Womens College, Kakinada.

Coordinator

Dr. K. Swamiji

Lecturer in Political Science

Ideal College of Arts and Sciences(A), Kakinada

Objectives:

Students after successful completion of the course will be able to.

The local government ensures a safe and stable environment where social and economic development can occur by provide physical infrastructure such as roads, water supply, waste management information and communication technology, promoting public health, education, and environmental sustainability.

Topics Covered:

Unit: 1

Local Government: Meaning, Nature and Importance, Thoughts on Local Governments by M.K. Gandhi, Jawaharlal Nehru and Dr. B.R.A. Ambedkar, Importance Committees: Balwant Rai Mehta (1957), Ashok Mehta (1978), L.M. Singhvi (1986).

<u> Unit: 2</u>

Decentralization of powers (Political, Administration and Economic) from the States to Local

Institution- 73rd and 74rd Constitutional Amendment Acts-Empowering Local Governments-

Decision making powers during crisis and disasters-Relationship between local government

authorities and Central and State Government service providers-Role of District College in

Strengthening LGIs.

<u>Unit: 3</u>

Revenue raising avenues for Local Governments-Grants, Aid and support from Centre and

State Governments-Public Private Partnerships-Concept of Local Development-Village as a

unit, SWOC analysis of a village, existing conditions, expected developmental opportunities,

the gap, natural, government and private resources, Year-wise planning, finances required-Role

of Local Governments in implementation of Welfare and developmental programmesi.e.,

(MGNREGS), (SGSY), (IAY) and (PURA).

Unit: 4

Challenges for Local Administration, Financial, administrative and Political Constraints-Public

relation in Local Administration-Need for training for elected representatives and other

stakeholders-Audit training and Participatory training.

<u>Unit: 5</u>

Preparation of Reports-Minutes and Documentation-Types of Reports, Content of Minutes-

Methods of Documentation-Best Practices of Reporting on functioning of Local

Administration-Use of ICT in Documentation.

Outcomes of the Course:

After Successful Completion of Value-added Course

Course Outcomes are the statements that help the learners to understand the reason for pursuing

the course and helps him to identify what he will be able to do at the end of the course.

Number of Participants: 20 Members

Signature of the Cordinator



DEPARTMENT OF POLITICAL SCIENCE

CERTIFICATE

T	his is to certify that Mr./Ms./Mrs
From	has completed four week value added course on
"Loca	l Administration" conducted by the Department of Political Science, Ideal
Colleg	ge of Arts and Science(A), Kakinada, from December 2022 to January 2023.

Dr. K. Swamiji
Coordinator

T-Salinemans Dr. T. Satyanarayana

Principal

Principal Ideal College of Arts & Sciences (A)
KAKINADA



NOTICE

Dt: 03.12.2022

All the I B. Sc., students are here by informed that Department of Chemistry is conducting A four-week value added course on "Handling of Reagents" from December 2022 to January 2023.

Interested candidates are requested to register their names with Sri K. Rajendra Kumar, HOD, Chemistry and Course Coordinator on or before 10.12.2022.

PRINCIPAL
Principal
ideal College of Arts & Sciences (A)
KAKINADA

DEPARTMENT OF CHEMISTRY

Value added Course for the year (2022-2023)

Handling of Reagents

Day Wise Course Schedule

S.No	Date	Торіс					
1.	12.12.2022	General instructions for safe working in organic					
		chemical laboratories					
2.	13.12.2022	Personal protection					
3.	14.12.2022	Conduct in the laboratory					
4.	15.12.2022	Fidiness and cleanness of laboratory					
5.	16.12.2022	Procedure storage of chemicals in laboratory areas					
6.	17.12.2022	Glassware of laboratory					
7.	19.12.2022	waste disposal of laboratory					
8.	20.12.2022	Burrete – micro burretes, macro burretes					
9.	21.12.2022	Pipette – micro Pipette, macro Pipette					
10.	22.12.2022	Beakers – 1000ml, 500ml, 250ml, 100ml, 50ml.					
11.	23.12.2022	Measuring Jars - 1000ml, 500ml, 250ml, 100ml,					
		50ml, 10ml.					
12.	27.12.2022	Test tubes, Boiling test tubes					

13.	28.12.2022	Condensers
14.	29.12.2022	Conical Flask
15.	02.01.2023	Stands, Glass Rod, Watch glass.
16.	04.01.2023	Reagents bottles
17.	05.01.2023	Centrifuge mission
18.	06.01.2023	Melting point operator
19.	07.01.2023	Boiling point operator
20.	09.01.2023	Planning of experiments
21.	10.01.2023	Results
22.	18.01.2023	Analysis of error
23.	19.01.2023	Organic compounds
24.	20.01.2023	potentially dangerous mixtures
25.	23.01.2023	Flammable solvents.
26.	24.01.2023	Strong acids
27.	25.01.2023	strong bases
28.	27.01.2023	Reactive of halogens, halides chromates, di
		chromates
29.	28.01.2023	Student Seminar
30.	29.01.2023	Review of Value added Course



Course Structure & Syllabus

30 hrs

OBJECTIVES:

One of the main objectives of a laboratory reagent should be its stability. Stability tests should be done to determine the duration of their chemical properties and reactions. These tests measure the rate at which a reagent can react with a variation in temperature, pressure, pH, light, or other external factors.

Course Outcomes:

After Successful Completion of Value-added Course

CO 1:To be able estimate the ions/metal ions present in domestic/industry waste water.

CO 2: utilize the fundamental laboratory techniques for analyses such as titrations, separation/purification.

CO 3: able to analyze and gain experimental skill. ➤ learn safety rules in the practice of laboratory investigations.

UNIT -I 10hrs

General instructions for safe working in organic chemical laboratories Personal protection, conduct in the laboratory, tidiness and cleanness, accident Procedure storage of chemicals in laboratory areas, glassware and waste disposal.

UNIT - II 5hrs

General Laboratory apparatus.

UNIT - III 5hrs

Planning of experiments and recording of results, calculation of vields.

UNIT - IV 5hrs

Hazards in organic chemistry laboratories: explosive compounds, potentially dangerous mixtures, flammable solvents.

UNIT - V 5hrs

Reactive inorganic reagents - Strong acids, strong bases, halogens, reactive halides chromates, di chromates.



SCIENCES (Autonomous & NAAC B)

DEPARTMENT OF CHEMISTRY
OFFERING

A FOUR WEEK VALUE ADDED COURSE

ON

"HANDLING REAGENTS"

December 2022 - January 2023

Resource Person

Sri R. Srinivasa Rao
Assistant Professor of
chemistry
Ideal College of Arts and
Sciences(A), Kakinada

Coordinator

Sri K. Rajendra Kumar HOD, chemistry Ideal College of Arts and Sciences(A), Kakinada

Certificates will be provided on successful completion of the course

APOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

About the Department

The Department of Chemistry was started in 1974. It enjoys the experience of the able and dedicated faculty and benevolent leadership of the stalwart academicians. The Departments have a well equipment to cater the need of students for their practical oriented curriculum. The Department also having good number of specimens, models, charts, along with LCD projector, OHP, Monoculars, Binoculars, Trinoculars, Oven, High speed centrifugesand a good musium.

About the Course

Name of the Student

Chemicals are the backbone of any laboratory because they are used for manufacturing or testing almost all pharmaceutical products. Yet many people working in the field lack their proper knowledge. The level of understanding further decreases when it comes to chemical grading. If you also struggle with these terms and don't know how exactly these work, you have come to the right place.

REGISTRATION FORM

Maille of the Stade	
Roll No	:
Class	:
Address for	
Correspondence	:
Mobile Number	:
E-mail	:

Signature

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous, NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA

DEPARTMENT OF CHEMISTRY

Value added Course for the year 2022-2023

Handling of Reagents

S.No	Roll Number	Name of the Student	Signature
1.	2200402002	B. Gangadhar	B. Gangadhar
2.	2200402005	Y.U.K. Prasad	7. U.K. prasid
3.	2200402007	V. D. Gangadhar	V.D. Grandhall
4.	2200402009	Ch. Kiran Kumar	ch. Kipan Kuma
5.	2200402403	K. Naga Lakshmi	Mager Caleston
6.	2200402404	D. Durga Rao	D. Durgarao.
7.	2200402407	R. Nageswara Rao	R. Margaswaya Rag
8.	2200402409	Ch. P. Sai Mounika	Ch. p. Sai mounite
9.	2200402413	B. Srinivas	B. Snini vay
10.	2200402417	R. Veera Babu	R. veera babu
11.	2200402410	V. Raghavendra	V. Roghavendra
12.	2200402421	N. Pravallika	N. Pracallita
13.	2200402423	S. Manikanta Kumar	3. manifarta kunar
14.	2200402402	K. Dharmendra	K. Phadmantia
15.	2200402006	Ch. Pavan Sesha Sai	Cla-Basanksh Sei
16.	2200402008	G.V.V. Satyanarayana	G.V.V. Satipinano gama.
17.	2200402501	K. Bhavani	k. Bhavani
18.	2200402503	K. Ch. Sekhara Dora	18 Pb - Se khana Da

19.	2200402505	D.L.N.S. Narayana	DLN. 3 North
20.	2200402506	L. Mahesh	
21.	2200402508	P. Nagendra	L. mothesh P. Nugendra
22.	2200402510	K. Tejaswi	k. Tejaswi
23.	2200402512	K.V. Durga Pavani	K. V. D. Davan

IDEAL COLLEGE OF ARTS AND SCIENCE (A), KAKINADA. IDEAL COLLEGE OF ARTS AND SCIENCE (A), KAKINADA, 21/2/2022 22/2/2022 23/2/2022 34/2/2022 6 1 2 3 4 5 6 1 2 3 4 5 6 1 2 3 4 5 6 1 2 3 4 5 11 11/1/01 1111 11011 1/01/ 11/11/11/01/11/11/11 111111111111111111 1. 22 00 40 3002 yok. Bund 11111111111011 -9. 22 00 40 20 05 1111111111 V. D. Grange has 12 2040 9003 10111111111 4- 92 00 40 20 09 1/1/10/1///// k nagolaksami 101/11/01/11/11/1/// 5 2200 40 24 03 111111111111 -D Digo 900 6. 720040 2404 11111011101 R-Abyestono Ago 1 0 1 1 1 1 1 1 1 1 1 1 7 25 00 40 24 07 110/11/11/10/11/11 CHP. Saimarika 8-9200402409 111111111111111111111 11/100/11/11/11/ -B. Sinivas 9. 98 00 40 24 13 1 0 1 / 0 1 / / / / / / / / / / / / R. Viero baba 10- 92 00 4074 17 -01/11/10/11/11/11/1 1111111111 V Rachaverdra 1- 12 00 40 24 10 --11/1/1/1/1/1/1 17. 22 00 40 2421 11111111111 111 11 11 11 11 1 1 1 1 1 1 1 1 S. marikanta kuman 13. 21 00 40 24 23 1 9 / 91 / 1 / 1 / 1 14-92 00 402401 k Tharmendra 111111111101111101 111111111 ch. Paran Serla Sa 15 22 00 40 20 06 011/01/1/1/1/ 99/19/11/11/11/11/11/11/11 GV.V. Safyanarapan 16.9200 4020 08 11/11/11/11/11/14/11/9 11111110111 k. Bhavani 12 32 00 40 95 01 111111110 11/10/11/01/11/1/ kich Collara Dora 18. 22 60 40 2903 D.L. W.S. Marayana 111111111111111 11111 1/01/1/01/ A. 51 00 40 15 05 L. mahesh 101/1/1/1/1/ 90-92 00 40 25 06 1101110111011111 Dagerdro 11/11/0/01/11 91. 12 00 40 25 08 P 1911/1911/11/11/11/11 1111111111111 1.21 00 40 25 10 k Tegasion k. v. Diga Buni a 1 11/11/10/11/1 23 92 00 40 15 12 1111011111 9 80000000 8 0 0 0 0 0 0 0 0 0 31 P80108 88091 2 10



VALUE ADDED COURSE REPORT

A four week Value-added Course on "Handling of Reagents" organized by Department of Chemistry

(December 2022 to January 2023)

Resource Person

Sri R. Srinivasa Rao

Assistant Professor of Chemistry

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: srinivasravulsi@gmail.com

Contact Number: 9703000626

Coordinator

Sri K. Rajendrakumar

HOD, Chemistry

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: rajendra.kavuri@gmail.com

Contact Number: 9985786251

Objectives:

One of the main objectives of a laboratory reagent should be its stability. Stability tests should be done to determine the duration of their chemical properties and reactions. These tests measure the rate at which a reagent can react with a variation in temperature, pressure, pH, light, or other external factors.

Topics Covered:

UNIT - I

General instructions for safe working in organic chemical laboratories Personal protection, conduct in the laboratory, tidiness and cleanness, accident Procedure storage of chemicals in laboratory areas, glassware and waste disposal.

UNIT - II

General Laboratory apparatus.

UNIT - III

Planning of experiments and recording of results, calculation of yields.

UNIT - IV

Hazards in organic chemistry laboratories: explosive compounds, potentially dangerous mixtures, flammable solvents.

UNIT - V

Reactive inorganic reagents – Strong acids, strong bases, halogens, reactive halides chromates, di chromates.

Outcomes of the Course:

After Successful Completion of Value-added Course

- CO 1:To be able estimate the ions/metal ions present in domestic/industry waste water.
- CO 2: utilize the fundamental laboratory techniques for analyses such as titrations, separation/purification .
- CO 3: able to analyze and gain experimental skill. ➤ learn safety rules in the practice of laboratory investigations.

Number of Participants: 23 Members

Signature of the Coordinator



DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that Mr./Ms./Mrs		
From	has completed four week value added course on	
"Handling of Reage	nts" conducted by the Department of Chemistry, Ideal	
College of Arts and	Science(A), Kakinada, from December 2022 to January 2023.	

Sri R. Srinivasa Rao Resource Person Sri K. Rajendra Kumar Coordinator

Dr. T. Satyanarayana

Principal

Principal

Leal College of Arts & Sciences (A)

KAKINADA



NOTICE

Dt: 28.11.2022

All the I BA students are here by informed that Department of History is conducting A Six-week value added course on "Indian Culture and Science" from December 2022 to January 2023.

Interested candidates are requested to register their names with Sri N.S.S. Prasad, HOD, Department of History and Course Coordinator on or before 09.12.2022.

PRINCIPAL

Principal

Ideal College of Arts & Sciences (A)

DEPARTMENT OF HISTORY

Value added Course for the year (2022-2023)

A Four Week Value Added Course on "India Culture and Science"

Day Wise Course Schedule

S.No	Date	Topic
1.	12.12.2022	Introduction
2.	13.12.2022	Various religious
3.	14.12.2022	Hinduism, Buddism
4.	15.12.2022	Bhakti Movement
5.	16.12.2022	Sufi movement
6.	17.12.2022	Literature
7.	19.12.2022	Family system
8.	20.12.2022	Assignment
9.	21.12.2022	Raja Ram Mohan Roy
10.	22.12.2022	B.R. Ambedkar
11.	23.12.2022	Community Service
12.	27.12.2022	Modern Society
13.	28.12.2022	Social Harmony
14.	29.12.2022	Scientific temper

15.	02.01.2023	Bloom's Taxonomy
16.	04.01.2023	Conduct Quiz Competition
17.	05.01.2023	Agriculture
18.	06.01.2023	Medicine
19.	07.01.2023	Communications
20.	09.01.2023	Space
21.	10.01.2023	Media
22.	18.01.2023	Industry
23.	19.01.2023	Assignment
24.	20.01.2023	Local Heritage sites
25.	23.01.2023	Student Seminar
26.	24.01.2023	Energy
27.	25.01.2023	Project Work
28.	27.01.2023	Study Hour
29.	28.01.2023	Preparation
30.	29.01.2023	Assignment

Signature of the Coordinator

Course Structure & Syllabus

30 hrs

OBJECTIVES:

Students after successful completion of the course will be able to.,

- 1. Understand the evolution of Telugu cinema and major changes from past to present
- 2. Assess the role of Telugu cinema makers and their contribution COURSEOUTCOMES:

After Successful Completion of Value-added Course

1. Understand the evolution of Inia's Culture.

Analyze the process of modernization of Indian Society and culture from past to future.

Comprehend objective education and evaluate scientific development of India in various spheres.

Inculcate nationalist and moral fervor and scientific temper.

Unit: I Unity in Diversity in India

Coexistence of various religions since ancient times -Hinduism, Buddhism, Jainism and Atheism and later Sikhism, Islam and Christianity. The Bhakti (vishnavite and Saivaite) and sufi movements. The concepts of seela, karuna, kshama, maitri, vinaya, santhi and abimsa. Achievements in Literature, Music, Dance, Clay, Metal and ornaments. Cultural diversity, monogamy, family system, Importance seasonal festivals.

Unit-11: Social Reforms and Modern Society

Reforme by Basaveswara Raja Rama Mohan Roy Devananda Saraswathi Swamy Vivekananda Mahatma Gandhi BR Ambedkar Reforms in Andhra by Vemena, Veerabrahmam, Gurajada, Veeresalingam and Gurram Jashua (only reforms in brief, biographies not needed). Modern Society: Family unity, Community service, Social Harmony, Civic Sense, Gender Sensitivity, Equality, National Fervor.

Unit-III: Science and Technology:

Objectivity and Scientific Temper Education on Scientific lines (Bloom's Taxonomy) Online Education. Developments in Industry, Agriculture, Medicine, Space, Alternate Energy, Communications, Media through ages.



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B)

DEPARTMENT OF HISTORY OFFERING

A FOUR WEEK VALUE ADDED COURSE

"INDIA CULTURE AND SCIENCE"

(DECEMBER 2022 - JANUARY 2023)

Resource Person

Dr. K. Swamiji HOD, Political Science Ideal College of Arts and Sciences(A), Kakinada

Coordinator

Sri. N. S.S. Prasad HOD, Historyldeal College of Arts and Sciences(A), Kakinada

ABOUT THE INSTITUTION

The ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

About the Department

The Department of History was started in 1974 along with the other under graduate course as to import education to the needy of the youth who pursuing Education of a nearby villages and Kakinada town in Particular.

The Department was established by the then start warts like the Dr. K.S. Kameswara Rao and others who brought name and fame to the department and trained No. of students to acquire High position all over to the world.

The Department includes a faculty room and well aerated Lectures Hals, Departmental library and other that rare collections to tell us about History.

About the Course

India is one of the most religiously and ethnically diverse nations in the world, with some of the most deeply religious societies and cultures. Religion plays a central and definitive role in the life of many of its people. Although India is a secular Hindu-majority country, it has a large Muslim population.

REGISTRATION FORM

Name of the Student:	
Roll No :	
Class :	
Address for	
Correspondence :	
_	
Mobile Number :	
E-mail :	Mineral Andrews Andrews
	Signature

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous, NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA

DEPARTMENT OF HISTORY

Value added Course for the year 2021-2022

List of Students

S.No	Roll Number	Name of the Student	Signature
tream.	2210401001	P. Ananth	p. Acranth
2.	2210401002	N. Anjali	M. Anjari
3.	2210401003	T. Aparanitha	TAparanjitha
4.	2210401006	M. Eswara Rao	are served, M
5.	2210401008	D. Hindu Priya	Jeana Jyoth
6.	2210401009	K. Jeevana Jyothi	Jeevera Jyoth
7.	2210401010	Y. Karthik	Y. Karthik.
8.	2210401011	D. Lakshmi Keerthi	O. Corne Seup
9.	2210401012	M. Manoj	M. Maney
10.	2210401015	A. Naidu	Naidu
11.	2210401019	B. Ramu	B. Rama
12.	2210401020	K. Ravi	K. Ravi
13.	2210401022	M. Rohit	M. Rohit
14.	2210401023	B Sai Teja	Sai Toja
15.	2210401024	P. Sailaja	P. Sallow Ta
16.	2210401026	M. Santhi Babu	Sonthi Robo
17.	2210401029	P. Siva	l siva
18.	2210401032	D Stephen	D. Stephen
19.	2210401035	G. Tanueswar	U. Januesu
20.	2210401036	K. Uma mahesh	K. U maker

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VALUE ADDED COURSE REPORT

A four week Value-added Course on "Indian Culture and Science" organized by Department of History

(December 2022 – January 2023)

Resource Person

Dr. K. Swamiji

HOD, Political Science

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: kollu1981@gmail.com Contact Number: 7989272226

Coordinator

Sri N. Shankar Prasad

HOD, History

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: shankarn506@gmail.com

Contact Number: 9963613260

Objectives:

Students after successful completion of the course will be able to.,

- 1 . Understand the evolution of Telugu cinema and major changes from past to present
- 2. Assess the role of Telugu cinema makers and their contribution

Topics Covered:

Unit: I Unity in Diversity in India

Coexistence of various religions since ancient times – Hinduism, Buddhism, Jainism and Atheism and later Sikhism, Islam and Christianity. The Bhakti (vishnavite and Saivaite) and sufi movements. The concepts of seela, karuna, kshama, maitri, vinaya, santhi and abimsa. Achievements in Literature,

Music, Dance, Clay, Metal and ornaments. Cultural diversity, monogamy, family system, Importance seasonal festivals.

Unit-11: Social Reforms and Modern Society

Reforme by Basaveswara Raja Rama Mohan Roy Devananda Saraswathi Swamy Vivekananda Mahatma Gandhi BR Ambedkar Reforms in Andhra by Vemena, Veerabrahmam, Gurajada, Veeresalingam and Gurram Jashua (only reforms in brief, biographies not needed). Modern Society: Family unity, Community service, Social Harmony, Civic Sense, Gender Sensitivity, Equality, National Fervor.

Unit-III: Science and Technology:

Objectivity and Scientific Temper Education on Scientific lines (Bloom's Taxonomy) Online Education. Developments in Industry, Agriculture, Medicine, Space, Alternate Energy, Communications, Media through ages.

Outcomes of the Course:

After Successful Completion of Value-added Course

- 1. 1. Understand the evolution of Inia's Culture.
- 2. Analyze the process of modernization of Indian Society and culture from past to future.
- 3. Comprehend objective education and evaluate scientific development of India in various spheres.
- 4. Inculcate nationalist and moral fervor and scientific temper.

Number of Participants: 20 Members

Signature of the Coordinator



DEPARTMENT OF HISTORY

CERTIFICATE

This is to cert	ity that Mr./Ms./Mrs.
From	has completed four week value added course on
	nd Science" conducted by the Department of History, Ideal
College of Arts and	d Science(A), Kakinada, from December 2022 to January 2023.

k. Swamija Resource Person

Coordinator

Principal
Principal
Ideal College of Arts & Sciences (A)
KAKINADA

NOTICE

Date: 05.12.2022

All the III B.Sc., Students are here by informed that the Department of Physics is conducting a six-week value added course on "APPLICATIONS OF PHYSICS IN EARTH SCIENCES" from January 2023 to February 2023.

Interested candidates are requested to register their names with Sri G. Raju, HOD of Physics and course coordinator on or before 23.12.2022.

Principal
Principal
Ideal College of Arts & Sciences (A)

DEPARTMENT OF PHYSICS

Value added Course for the year 2022-2023

A Four Week Value Added Course on "Applications of Physics in Earth Science"

Day Wise Course Schedule

S.No	Date	Topic
1.	02.01.2023	Earth's gravity field, properties of Newtonian
		potential laplacls and poissons's eqacations.
2.	03.01.2023	Green's theorem, gaus law, concept of gravity
		anamaly
3.	04.01.2023	Earth's main magnetic field, orgin and temporal
		variation
4.	05.01.2023	Geomagnetic elements vectorial representation,
		spatial variation, basic concepts
5.	06.01.2023	Coulombs law of magnetic force and fields, magnetic
		anomaties
6.	07.01.2023	Assignment
7.	09.01.2023	Principle of electrical methods of prospecting
		electrical fields in geography

8.	10.01.2023	Current and potential in the earth
9.	11.01.2023	Electromagnetic Introduction
10.	12.01.2023	Primary secondary field relations.
11.	20.01.2023	Vector diagram – Red and imaginary components
		resolving
12.	21.01.2023	Assignment
13.	23.01.2023	Gas Laws, hydrostatic equation geopotential,
		reduction of pressure to sea adiabatic Process.
14.	24.01.2023	The dry adiabatic lapse rate, water vapor in Air
15.	25.01.2023	Moisture Parameters, the second law of
		thermodynamics the carnot cycle
16.	27.01.2023	Entropy, the clausius – clapeyron equation level
17.	28.01.2023	The first law of thermodynamics joule's law, specific
		heats Enthalpy
18.	30.01.2023	Assignment
19.	31.01.2023	Forces governing the atmospheric motions
20.	01.02.2023	Their classifications as body and surface forces.
21.	02.02.2023	Conservation and non conservation forces
22.	03.02.2023	Equation if motion in Rotating Frame
23.	04.02.2023	Coriolis force and its physical nature
24.	06.02.2023	Student Seminar

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25.	07.02.2023	Nucleation of water vapor condensation cloud
		condensation nuclei
26.	08.02.2023	Curvature and solution effects growth of cloud
		droplets in warm clods
27.	09.02.2023	Growth by condensation, growth by collection,
		growth by condensation and collision coalescence.
28.	10.02.2023	Microphysics of cold clouds – nucleation of ice
,		particles, ice nuclei
29.	13.02.2023	Growth of ice particles in clouds, formation of
		precipitation in cold clods.
30.	14.02.2023	Quiz

Signature of the Coordinator

Course Structure & Syllabus

30 hrs:

OBJECTIVES:

• The main objective of the program is to know the importance of Applications of Nano Material for synthesis and self-assemble of their Nano Material.

COURSE OUTCOMES:

- 1. Emerging and potential applications of Nano materials will be considered in the final segment of the course
- 2. The goal of the course will be to prepare and train students in this evolving technology which lies at the interfaces of chemistry, physics and biology.

UNIT-I (6 Hours):

Introduction: Definitions and course organization and Historical development of Nanomaterials, classification of Nano materials.

UNIT-II (6 Hours):

Fundamentals:

- (i) Size & Scale Units, Scaling Atoms, molecules, clusters and supramolecular
- (ii) structure. and Bonding in Nanomaterials, Chemical Bonds (types and Strength). Intermolecular and Crystalline structures, Hierarchical Structures, Bulk to Surface transition, Surface reconstruction

UNIT-III (6 Hours):

Nano material characterization Techniques: Scanning and Transmission Electron microscopy, Scanning probe microscopies: Atomic Force, scanning tunneling microscopy, Diffraction and scattering techniques, vibrational Spectroscopy, surface techniques

UNIT-IV (6 Hours):

Nano-electronics Nano optics, Nanoscale chemical- and bio-sensing, Biological/bio-medical applications photovoltaic, fuel cells, batteries and energy related applications, High strength nanocomposites, ENE Nano energetic materials

Co-Curricular Activities (6 Hours):

Seminar/ Quiz/ Assignments/ Practice

Prescribed Text Book: The Physics and Chemistry of Nano solids by Frank J. Owens and Charles P. Pool Jr. Wiley - Inter science, 2008



(AUTONOMOUS, NAAC B)

DEPARTMENT OF PHYSICS OFFERING

A SIX WEEK VALUE ADDED COURSE ON

APPLICATIONS OF NANO MATERIALS

January 2019 to February 2019

Coordinator

Dr. S. V. G. V. A. Prasad

HOD of Physics Ideal College of Arts and Science (A) Kakinada

Resource Person

Sri G. Raju

Lecturer in Physics

Ideal College of Arts and Science (A)

Kakinada

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION:

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

ABOUT THE DEPARTMENT:

The department of Physics came into existence in the year 1974. The department connected with different courses B Sc - MPC (TM & EM) and MPCS (EM). The department is located in an area of 480 sq.mts. The lab is fully equipped to conduct B Sc - Physics practicals for all papers. A good number of old and new books more than 270 in department library. The lab has an internet facility to watch the important lectures and scientific programmes for the better knowledge of students, which are transmitted by UGC and various Universities.

ABOUT THE COURSE:

Nanomaterials is designed to introduce advanced undergraduate and graduate students in chemistry, material Science, physics, electrical engineering and bio engineering to the emerging area of Nanotechnology that has the potential to revolutionize techniques by which materials and products will be created in the future with new and Superior property and functionalities and course will start with fundamental concepts and then proceed to nanoscale, phenomena and properties

REGISTRATION FORM	
Name of the Student :	Zonor et Hellin
Roll No :	
Class:	
Address for Correspondence:	
Mobile Number :	
E-mail:	

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous, NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA

DEPARTMENT OF PHYSICS

Value added Course for the year 2022-2023

Applications of Physics in Earth Sciences

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S. No	Roll Number	Name of the Student	Signature
1.	2200402006	Bandaru Bala Pujitha	B: Balapujitha
2.	2200402009	Kottu chiranjeevi	K. chiranjeevi
3.	2200402013	Angadi Dwiteesha Rani	A. Dwiteeshakar
4.	2200402018	Tangi Jagadeesh	T. Jagadees
5.	2200402022	Vasaka Keerthana	V. of continua
6.	2200402028	Joda Manohar	J. Marohan
7.	2200402029	Ponduru Moukthika	p. mouk thicke
8.	2200402033	Pulugu Naveen	P. Naveen
9.	2200402036	Annamreddy Raja	A. Raja.
10.	2200402044	Swarna Sai Lakshmi	S.S. lakgling
11.	2200402051	Garikina Sirisha	G. Sirisha.
12.	2200402059	Telu Subrahmanyam	T. Subramany
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14.	2200402065	Chintha Veera Babu	ch veerabat
15.	2200402075	Madavarapu Vijay Kumar	M. Vijayde
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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

VALUE ADDED COURSE REPORT

A six week Value-added Course on "Applications of Physics in earth science" organized by Department of Physics

(January 2023 to February 2023)

Resource Person

Sri S. Ayyappa Swamy

Assistant Professor of Physics

Ideal College of Arts and Sciences(A),

Kakinada

Mobile: 7032337801

Email-Id: swamisamidala22@gmail.com

Coordinator

Sri G. Raju

HOD, Physics

Ideal College of Arts and Sciences(A),

Kakinada

Mobile: 9652978708

Email-Id: r1a2j3u4phy@gmail.com

Objectives:

Students to know the applications of physics in the field of Earth Sciences.

Topics Covered:

This course is intended for the students to know the applications of physics in the field of Earth sciences. It helps in finding and understanding the Physical concepts of Physics in easy way.

Unit-1: GRAVITY AND MAGNETIC GEOPHYSICAL METHODS

Earth's Gravity field. Properties of Newtonian potential, Laplace's and Poissons's equations, Green's theorem. Gauss law, concept of gravity anomaly. Earth's main magnetic field. origin and temporal variations (outlines only), Geomagnetic elements, Vectorial representation, spatial variation, Basic concepts. Coulombs law of magnetic force and fields, Magnetic anomalies.

Unit-2: RESISTIVITY AND ELECTROMAGNETIC GEOPHYSICAL METHODS Principle of electrical methods of prospecting - Electrical fields in Geophysics-current and potential in the Earth. Electromagnetic Induction. Primary-Secondary field relations. Vector Diagram- Real and Imaginary components resolving.

Unit-3: ATMOSPHERIC THERMODYNAMICS

Gas Laws, Hydrostatic Equation - Geopotential. Reduction of pressure to sea Adiabatic Processes—the dry adiabatic lapse rate. Water Vapor in Air-moisture parameters. The second law of Thermodynamics the Carnot cycle, Entropy, the Clausius Clapeyron equation.level. The First Law of Thermodynamics-Joule's law, specific heats, Enthalpy.

Unit-4: ATMOSPHERIC DYNAMICS

Forces governing the atmospheric motions and their classifications as body and surface forces. conservative and nonconservative forces, equation of motion in rotating frame. Coriolis force and its physical nature.

Unit-5: CLOUD PHYSICS

Nucleation of water vapor condensation-cloud condensation nuclei. Curvature and solution Effects Growth of cloud droplets in warm clouds Growth by condensation, growth by collection, growth by condensation and Collision - Coalescence, Microphysics of cold clouds-nucleation of ice particles ice nuclei, growth of ice particles in clouds, formation of precipitation in cold clouds.

Outcomes of the Course:

After successful completion of Value - Added course

- 1. Students can helps in finding and understanding the physical concepts of physics in easy way
- 2. Students can understand physics concepts and their application to relent problems in the earth.

Number of Participants: 30 Members

IDEAL COLLEGE OF ATRS & SCIENCES

AUTONOMOUS & NAAC B Kakinada

DEPARTMENT OF PHYSICS

	This is to Certify that Dr./Mr./Ms./Mrs.
From	***************************************
	Has completed Six week value – added course on
	"Application of physics in Earth sciences"
	Conducted by the Department of physics,
	Ideal college of Arts & sciences (A), Kakinada,
	From January 2023 to February 2023

Sri.S.Ayyappa Swami ' Resource person Sri.G.Raju
Coordinator

Dr.T.Satyanarayana

Principal

Ideal College of Arts & Sciences (A)
KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES
(Autonomous & NAAC B)
Dr. P.V.N. RAJU
VIDYAPRANGANAMKAKINADA

NOTICE

Dt: 23-12-2022

All the I BCA(Data Science) students are here by informed that Department of Computer Science conducting A Four-week value added course on "Introduction of Coding for App Development by using Scratch Programming" from January 2023 to February 2023.

Interested candidates are register their names with Sri P.P.R.Mohan , H O D Computer Science and Course coordinator on or before 31.12.2022.

PRINCEPAL

Principal
Ideal College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS & SCIENCES: KAKINADA

(Autonomous & NAAC B)

BCA (Data Science) "Introduction of Coding for App Development by using Scratch Programming"

Day Wise Course Schedule

Day	Date	Topic
1	2-1-2023	Introduction to Course
2	3-1-2023	Students introduce themselves and receive an overview of Scratch.
3	4-1-2023	Introduction to Scratch
4	5-1-2023	Students learn the layout of Scratch and are introduced to several types of coding blocks.
5	6-1-2023	Movement Students learn how to create movement in their Scratch programs.
6	7-1-2023	Warmups Students start each day with a quick Scratch activity that reviews a previous concept or introduces a new one.
7	9-1-2023	Students learn about colour changes and costumes in Scratch. Creating Sprites
8	10-1-2023	Students learn how to create new characters in Scratch. Warmups
9	17-1-2023	Pens Students learn how to draw lines and shapes using the Pen feature in Scratch.
10	18-1-2023	Sounds Students experiment with sound effects by creating melodies, layering

		sounds, and recording their own.
11	19-1-2023	Warmups
		Students start each day with a quick Scratch activity that reviews a previous concept or introduces a new one.
12	20-1-2023	Review
		Students catch up and review the material they have covered.
13	21-1-2023	Mini-Project: Movie
-		Students complete an animation project to demonstrate what they have learned so far about Scratch.
14	23-1-2023	Assignment
15	24-1-2023	Conducting Seminar
16	25-1-2023	Scratch-a-Thon
		Students review what we learned in Week 2 to begin designing games.
17	27-1-2023	Logic: Students learn how to enter conditional commands into Scratch.
18	28-1-2023	Inputs: Students learn how to incorporate keyboard and mouse commands in Scratch.
		Broadcasting: Students learn how to create commands that cause changes in the game environment.
19	30-1-2023	Warmups Students start each day with a quick Scratch activity that reviews a previous concept or introduces a new one.
20	31-1-2023	Random Numbers Students discuss how to implement random numbers in their programs. Introduction to Variables Students learn about variables and how they can be used in games. Continuing Variables Students continue to learn about variables and create a game
21	1-2-2023	Mini Project - Balloon Shooter
		Students apply knowledge of logic and variables to create a Balloon Shooter game.

22	2-2-2023	Conducting Seminar on Mini-Project
23	3-2-2023	Introduction to Final Project
		Students learn the expectations for the final project and begin work on it.
24	4-2-2023	Assignment
25	6-2-2023	Conducting Quiz
26	7-2-2023	Practicing in Lab
27	8-2-2023	Practicing in Lab
28	9-2-2023	Continuing Final Projects
		Students continue working on their final projects.
29	10-2-2023	Conducting Seminar
30	11-2-2023	Sharing Projects
		Students share their final projects with the class.

Course Structure & Syllabus

30hrs

Objectives:

Student can learn

- 1 Programming
- 2 Game Modifications
- 3 Constructions and Design

Outcome of the Course:

By using Scratch Programming student can gain Thinking creatively, Communicating clearly, Analyzing systematically, Using technologies fluently, Designing iteratively and learning continuously

UNIT-1: Scratch (6 Hours)

Students learn about Scratch and how to program with it.

UNIT-2: Movement & Appearance (6 Hours)

Students learn how to make characters in Scratch move and speak. Students learn how to modify the appearance of their characters through colors and costumes.

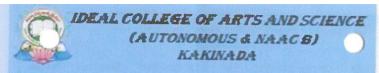
UNIT-3: Character Creation & Logic (6 Hours)
Students learn how to create their characters
in Scratch. Students learn various logic
commands that are used in programming.

UNIT-4: Projects (6 Hours)

Students create a short movie, a simple game, and other projects to display what they have learned

Co-Curricular Activities (6 Hours)

Seminar/Quiz/Assignments/Practice



DEPARTMENT OF COMPUTER SCIENCE OFFERING

A FOUR WEEK VALUE ADDED
COURSE

"Introduction of Coding for App Development By Using Scratch Pogramming"

(January 2023 to February 2023)



Resource Person

Smt.G.Subbalakshmi

DEPARTMENT OF COMPUTER SCIENCE IDEAL COLLEGE OF ARTS & SCIENCES KAKINADA

Co-Ordinator

Mr.P.P.R.Mohan

HOD, DEPARTMENT OF COMPUTER SCIENCE, IDEAL COLLEGE OF ARTS & SCIENCES KAKINADA

Certifictes Will Provided On Successful Completion Of The Course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawahadal Nehru, the former Prime Minister of India, Dr. P. V. N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari o renowned educationist, scholar and famous writer in Telugu Literature under whose auidance and administration the College has been flourishing year after year. The Governing Body members of the College compaigned the entire district and created awareness among the parents and students for the immediate necessity of coeducation Degree College in Kakinada with the support from the government. As a result the ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District

AROUT THE DEPARTMENT

The department of Computer Science was established since 2020. The faculty members of the department are well experienced in teaching. The Department has a computers lab (for programming practice) as per U.G.C. Guide lines. The department is maintaining a departmental library with the books of staff members, specimen copies of publishers nearly 150 in number, for the ready reference to students to tackle different methods in practical sessions.

ABOUT THE COURSE

Scratch is a visual programming language that allows students to create their own interactive stories, games and animations. As students design Scratch projects, they learn to think creatively, reason systematically, and work collaboratively.

Registration Form

Name:
Roll No:
Class:
Address For Correspondence:
Mobile No:
E-Mail:

Signature

IDEALCOLLEGEOFARTSANDSCIENCES

(Autonomous &NAACB) KAKINADA

Department of Computer Science Value Added Course 2022-2023

List of Students

S.No	Roll No	Student Name	Signature
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Since Since	2220406002	A Satyanarayana	A. Colore of Colored
3	2220406003	B Lakshmi Bhargavi	A. Satyananayana B. Bhangavi
4	2220406004	C Siva Manikanta	Ch. Sivamanikanta
3	2220406005	E Ravi Teja	E. Jais Tua
6	2220406006	E Uma Shankar	Eunushahkav
	2220406007	G Sai Krishna	Gr. Sai Kuman
8	2220406008	G Santosh Kumar	G. santosh
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17	2220406017	M Samba Siva Rao	M. Sasmba Siva Rac
18	2220406018	P SaiPrakash	Sai Barkash
19	2220406019	P VeeraDurgaBhavani	P.V.D.Bhasani
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	2220406026	S Naveen Kumar	5. Navern
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IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B) KAKINADA

VALUE-ADDED COURSE REPORT

A Four-week Value-Added Course on "Introduction of Coding for App Development by using Scratch Programming" Organized by Department of Computer Science

(January 2023 - February 2023)

Resource Person:

Smt.G. Subbalakshmi

Assistant Professor of Computer Science Ideal College of Arts & Sciences, Kakinada Email.: subbalakshmiprge@gmail.com

Contact Number: 8886663320

Coordinator

Sri P.P.R. Mohan.

H.O.D Department of Computer Science Ideal College of Arts & Sciences, Kakinada

Email: hodsd@idelcollege.edu.in Contact Number: 9985221118

OBJECTIVES:

1. Programming

Students are introduced to several programming concepts and practice implementing them using Scratch software.

2. Game Modifications

Student's design, modify and create games and movies using programming in Scratch.

3. Constructions and Design

Student's practice building and designing. We do robots to be programmed using Scratch software

Topics Covered

<u>UNIT – I</u>

Scratch

Students learn about Scratch and how to program with it.

<u>UNIT – II</u>

Movement

Students learn how to make characters in Scratch move and speak. Appearances

Students learn how to modify the appearance of their characters through colours and costumes.

UNIT-III

Character Creation

Students learn how to create their own characters in

Scratch.Logic

Students learn various logic commands that are used in programming.

UNIT-IV

Projects

Students create a short movie, a simple game, and other projects to display what they have learn

Outcome of the Course:

By using Scratch Programming student can gain Thinking creatively, Communicating clearly, Analyzing systematically, Using technologies fluently, Designing iteratively andlearning continuously

Number of Participants: 27 Members



from

IDEAL COLLEGEOF ARTS & SCIENCES

(AUTONOMOUS, NAAC B) KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

•••••	***************************************

Has completed Four- week Value-added Course on "Introduction of coding for APP Development by using Scratch Programming" Conducted by the Department of Computer Science , Ideal Collegeof Arts & Sciences(A), Kakinada, from January 2023 to February 2023

Thisis to Certify that Dr /Me /Mr /Mrs

Smt.G.Subbalakshmi
Resource Person

Co-Ordinator

T. Sultramera T. Satyanarayana

Principal
Principal
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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) DR. P.V.N. RAJU VIDYAPRANGANAM Samalkot Road, KAKINADA

NOTICE

Dt.02.01.2023

All the II B.Sc., (B.Z.C) students are hereby informed that Department of Botany is conducting A Three – week value added course on "Miniature Gardens – Gardening in limited space" from January, 2023 to February, 2023.

Interested candidates are requested to register their names with Smt K.Supriya, Assistant Professor of Botany and Course Coordinator on or before 18.01.2023.

PRINCIPAL

Principal

Ideal College of Arts & Sciences (A)

KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous, NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA

DEPARTMENT OF BOTANY

Value added Course for the year 2022-2023

A Three Week Value Added Course on "Miniature Gardens – Gardening in Limited space"

Day Wise Course Schedule

S.No	Date	Topic
1.	03-01-2023	Scope & Objectives of Gardening
2.	04-01-2023	Various styles of Gardens
3.	05-01-2023	Formal gardens
4.	06-01-2023	Informal gardens
5.	07-01-2023	Garden tools
6.	09-01-2023	Potting soil
7.	10-01-2023	Types of propagation
8.	11-01-2023	Assignment – I
9.	18-01-2023	Main Principles of Garden
10.	19-01-2023	Making of terrarium & kokedama
11.	20-01-2023	Vertical garden preparation
12.	21-01-2023	Small area greening
13.	23-01-2023	Plants suitable for office space

14.	24-01-2023	Air purifier plants
110	2 1 01 2025	7 in parities plants
15.	25-01-2023	Assignment – II
16.	27-01-2023	Importance of kitchen & Balcony gardens
17.	28-01-2023	Lavort of Litaban 9 Dalam 1
17.	20-01-2023	Layout of kitchen & Balcony gardens
18.	30-01-2023	Preparation of composting
19.	01-02-2023	Assignment – III
20.	02-02-2023	Gardening management operations
21	02.02.2022	C '11 '
21.	03-02-2023	Soil laying, manuring
22.	04-02-2023	Water management
	01 02 2023	water management
23.	06-02-2023	Pests and diseases
24.	07-02-2023	Curing operations
25	00.02.2022	
25.	08-02-2023	review

Course Structure & Synabus

OBJECTIVES:

To facilitate self-employment.

Design garden in limited space

Indoor Plants for air purification and providing ambience.

COURSEOUTCOMES:

After Successful Completion of Value-added Course

Design garden in limited space

Indoor Plants for air purification and providing ambience.

Vertical gardens and terrariums

Grow organic herbs for consumption

UNIT-I

Scope and objectives of gardening and style of gardens: Formal, Informal, gardening tools potting soil, types of

propagation.

UNIT-II

Principles and making of terrarium and kokedama. Concept of vertical gardens small area greening. Plants suitable for office space aesthetic value, break office monotony, air purifier.

UNIT-III

Importance of layout and principles in kitchen and balcony garden, composting and micro greens.

UNIT-IV

Gardening management operations: Soil laying, manuring, watering management of pests and diseases with complete cure.

Co-Curricular Activities: Student Seminar, Assignment,

Practice

<u>Prescribed Text Book : Miniature Gardens/Gardening in Limited Space: Isabelle Palmer, D.H. Galhena.</u>



AND SCIENCES (Autonomous & NAAC-B)

DEPARTMENT OF BOTANY OFFERING

A THREE WEEK VALUE ADDED COURSE

ON

MINIATURE GARDENS/GARDENING IN LIMITED SPACE

January 2023 -February 2023

Coordinator

Smt. K. Supriya Assistant Professor of Botany Ideal College of Arts and Sciences(A), Kakinada

Resource Person

Ms. D. Durga Bhavani HOD, Botany Ideal College of Arts and Sciences(A), Kakinada

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

About the Department

Department of Botany is one of the oldest departments in this college, Established in the year 1974 under the guidance of the then Eminent Taxonomist Sri A.SreeRama Murthy garu. The faculty members prepare Annual Academic Plan at the beginning of the Academic year in accordance with Academic calendar. They are actively participating in International & Empirical Seminars and presenting papers. Publishing Research papers in Peer reviewed Journals. Regular field trips are conducted for the students. Encouraging students to take up study projects. Remedial classes for academically backward students are conducted by the faculty members. The students are encouraged to participate in various competitions organized in the university colleges.

Department for fully equipped laborites have are efficiently achieved.

About the Carse

This Course is about creating a small space edible garden, with a focus on container gardening. It's perfect for renters, people who live in apartments or condos or those who don't have the space (or time) to dedicate to a big garden.

REGISTRATION FORM

Name of the Stud	lent :
Roll No	:
Class	:
Address for	
Correspondence	:
Mobile Number	:
F-mail	

Signature

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous, NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA DEPARTMENT OF BOTANY

Value added Course for the year 2022-2023

Miniature Gardens/Gardening in limited space

S.No	Roll Number	Name of the Student	Signature
1.		APPANNABABU BUDDA	В. Арраппавави.
2.	2210402505	BHUMIKA NAGA MANI AMALADASU	AB, Nagar
3.	2210402506	CHAKRAVARTHI MOTUKURI	H D. Maja
4.	2210402507	DIVYASRI GUTTULA	G. Paya Sxi
5.	2210402509	GIRIJON PESINGI	P.GisiJon
6.	2210402510	HANU VIGNESH KEDARISETTI	R. Hanu Vignes
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8.	2210402513	JAYA SATYA SRI GINJALA	-ly. Taya Doi.
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	2210402520	MOHAN BALA KUMAR ROKALA	R.Mohan.
12.	2210402523	MURALI ARUGOLLU	A-mwali
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15.	2210402529	PRIYANKA BATHULA	
16.	2210402530	RAJESH SINGAMPALLI	B. Pojyanka S. Rajesk
17.	2210402533	RAMA LOKESH GANTIMALLA	9. Romatakel
8.	2210402534	RAMYA JANIPELLA	J. (Ramyo)

24.	2210402551	VENKATA BHAGYA LAKSHMI BATHULA	B.V. Bhogga Lakshini:
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22.	2210402544	SOWMYA PRIYA DARSHINI VANKALA	V. S. Pringa
21.	2210402538	SAILAJA PRASADULA	P. Early an
20.	2210402536	RUPA PESINGI	P. Rupa
19.	2210402535	RAVI KISHORE JUVVALA	J Ravi kishore

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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

VALUE ADDED COURSE REPORT

A Three week Value-added Course on "Miniature Gardens/Gardening in limited space" organized by Department of Botany

(January 2023 – February 2023)

Resource Person

Ms. D. Durga Bhavani

HOD, Botany

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: dudaladurgabhavani03@gmail.com

Contact Number: 9676006768

Coordinator

Smt. K. Supriya

Assistant Professor of Botany

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: supriyajeeth@gmail.com Contact Number: 8074279089

Objectives:

To facilitate self-employment.

- Design garden in limited space
- Indoor Plants for air purification and providing ambience.

Topics Covered:

UNIT I

Scope and objectives of gardening and style of gardens: Formal, Informal, gardening tools potting soil, types of propagation.

UNIT II

Principles and making of terrarium and kokedama. Concept of vertical gardens small area greening. Plants suitable for office space aesthetic value, break office monotony, air purifier.

UNIT III

Importance of layout and principles in kitchen and balcony garden, composting and micro greens.

UNIT IV

Gardening management operations: Soil laying, manuring, watering management of pests and diseases with complete cure.

Outcomes of the Course:

After Successful Completion of Value-added Course

- Design garden in limited space
- Indoor Plants for air purification and providing ambience.
- Vertical gardens and terrariums
- Grow organic herbs for consumption

Number of Participants: 30 Members



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

DEPARTMENT OF BOTANY

CERTIFICATE

This is to certi	iy that Mr./Ms./Mrs.
From	has completed Three week value added course on
"Miniature Garden	ns/Gardening in limited space" conducted by the Department
of Botany, Ideal Co	ollege of Arts and Science(A), Kakinada, from January 2023 to
February 2023.	

D. Dwiga Bhawami

Resource Person

Smt. K. Supriya

Co-ordinator

T-Salamare Dr. T. Satyanarayana

Principal
Principal
Ideal College of Arts & Science (A

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) DR. P.V.N. RAJU VIDYAPRANGANAM Samalkot Road, KAKINADA

NOTICE

Dt.28.12.2022.

All the I B.A students are hereby informed that Department of Economics is conducting A Four – week value added course on "Introduction to Mathematics" from January 2023 to February 2023.

Interested candidates are requested to register their names with Dr. D. Steeven Raju, HOD, Economics and Course Coordinator on or before 03.01.2023.

PRINCIPAL
Principal
Ideal College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous, NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA

DEPARTMENT OF ECONOMICS

Value added Course for the year 2022-2023

A Four Week Value Added Course on "Introduction to Mathematics"

Day Wise Course Schedule

S.No	Date	Topic
1.	03-01-2023	Variables of Equations
2.	04-01-2023	Sets of Equations
3.	05-01-2023	Functions of Equations
4.	06-01-2023	Identities of Equations
5.	07-01-2023	Systems of Equations
6.	09-01-2023	Application of Straight-line system
7.	10-01-2023	slope of the Line
8.	11-01-2023	homogenous function
9.	18-01-2023	Assignment – I
10.	19-01-2023	Student Seminar
11.	20-01-2023	Introduction to Algebra quadratic
12.	21-01-2023	Expression – Linear Evolution.
13.	23-01-2023	Elements of Matrix Algebra
14.	24-01-2023	Properties of determinants

15.	25-01-2023	Inverse of a Matrix
16.	27-01-2023	Solving of simultaneous equations by cramer's Rule
17.	28-01-2023	Assignment – II
18.	30-01-2023	Student Seminar
19.	01-02-2023	Definition
20.	02-02-2023	f Differentiation of a function
21.	03-02-2023	Maxima and minima Equilibrium of a firm
22.	04-02-2023	Inter- relationships among total,;,
23.	06-02-2023	marginal and average cost and Revenues
24.	07-02-2023	Number systems
25.	08-02-2023	Permutations and combinations.

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Course Structure & Syliabus

OBJECTIVES:

Comprehend, analyse, synthesise, evaluate, and make generalizations so as to solve mathematical problems. Collect, organize, represent, analyse, interpret data and make conclusions and predictions from its results. apply mathematical knowledge and skills to familiar and unfamiliar situations.

COURSEOUTCOMES:

After Successful Completion of Value-added Course In math, an outcome is a result of an event that depends on probability, and any event can have more than one possible outcome.

UNIT I

Basic Concepts:

Variables, Sets, Functions, Equations, Identities, Systems of Equations, Application of Straight-line system, slope of the Line, homogenous function.

UNIT II

Elements of Algebra:

Introduction: Introduction to Algebra quadratic Expression – Linear Evolution.

UNIT III

Elements of Matrix Algebra:

Properties of determinants, Inverse of a Matrix, Solving of simultaneous equations by cramer's Rule

UNIT IV

Definition – f Differentiation of a function: Elasticities; Maxima and minima Equilibrium of a firm and consumer.

UNIT V

Inter- relationships among total, marginal and average cost and Revenues; Number systems, Permutations and combinations.

Co-Curricular Activities: Student Seminar, Assignment, Practice Prescribed Text Book: D. Bose



IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

DEPARTMENT OF ECONOMICS
OFFERING

A FOUR WEEK VALUE ADDED COURSE

ON

"INTRODUCTION TO MATHEMATICS"

January 2023 - February 2023

Coordinator

Dr. G. Steeven Raju HOD, Economics Ideal College of Arts and Sciences(A), Kakinada

Resource Person

Dr. M. Bala Swmay
Lecturer in Economics
Government Degree College
Alamuru

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada, Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

About the Department

The Department was established in the year 1974. The Department organized many State Level and National Level Seminars. Eminent Professors from the Department of Economics Andhra University, Late Prof. C.Ratnam, Vice- Chancellor, University, Tirupathi Prof. P.V.Sarma, Prof. L.K.Mohan Rao, Prof. S.K.V.S.Raju Prof. R.Sudrashana Rao, Prof. M.Sundar Rao, and other Professor were visited our College in several occasion. The vision of the Department is to impart the theoretical and applied knowledge of Economics to the undergraduates service as per the changing Global Economic.

The Department Produced one Principal. At present two faculty has been working in this Department. Dr. G. Steeven Raju and Sri D. Viswanadha Raju are service till since two Decades

About the Ourse

Mathematics is the science and study of quality, structure, space, and change. Mathematicians seek out patterns, formulate new conjectures, and establish truth by rigorous deduction from appropriately chosen axioms and definitions.

REGISTRATION FORM

Name of the Stude	ent:	
Roll No	:	
Class	: .	
Address for		
Correspondence	: _	
Mobile Number	: .	
E-mail	: .	

Signature

IDEAL COLLEGE OF ARTS AND SCIENCES

(AP. Govt. Alded Autonomous, NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA

DEPARTMENT OF ECONOMICS

Value added Course for the year 2022-2023

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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

VALUE ADDED COURSE REPORT

A four week Value-added Course on "Introduction Mathematics" organized by Department of Economics

(January 2023 – February 2023)

Resource Person

Dr. M. Bala Swamy

Lecturer in Economics

Government Degree College

Alamuru

Coordinator

Dr. G. Steeven Raju

HOD, Economics

Ideal College of Arts and Sciences(A),

Kakinada

Objectives:

Comprehend, analyse, synthesise, evaluate, and make generalizations so as to solve mathematical problems. Collect, organize, represent, analyse, interpret data and make conclusions and predictions from its results. apply mathematical knowledge and skills to familiar and unfamiliar situations.

Topics Covered:

<u>UNIT I</u>

Basic Concepts:

Variables, Sets, Functions, Equations, Identities, Systems of Equations, Application of Straight-line system, slope of the Line, homogenous function.

UNIT II

Elements of Algebra:

Introduction: Introduction to Algebra quadratic Expression – Linear Evolution.

UNIT III

Elements of Matrix Algebra:

Properties of determinants, Inverse of a Matrix, Solving of simultaneous equations by cramer's Rule

UNIT IV

Definition – f Differentiation of a function: Elasticities; Maxima and minima Equilibrium of a firm and consumer.

UNIT V

Inter- relationships among total, marginal and average cost and Revenues; Number systems, Permutations and combinations.

Outcomes of the Course:

After Successful Completion of Value-added Course

In math, an outcome is a result of an event that depends on probability, and any event can have more than one possible outcome.

Number of Participants: 14 Members

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Signature of the Coordinator



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to	certify that Mr./Ms./Mrs
From	has completed Four week value added course on
"Introduction	to Mathematics" conducted by the Department of Economics,
Ideal College	of Arts and Science(A), Kakinada, from January 2023 to February
2023.	

Dr. G. Steeven Raju

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Principal
Principal
Principal
College of Arts & Sciences (A)
KAKINADA



IDEAL COLLEGE OF ARTS AND SCIENCES (AP. Govt. Aided Autonomous NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

NOTICE

Dt: 27-12-2022

All the I B.A, B. Com & B.Sc., students are here by informed that Department of English is conducting A four-week value added course on "Personality Development" from January 2023 to February 2023.

Interested candidates are requested to register their names with Sri U Nani Babu, HOD, Department of English on or before 07.01.2023.

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IDEAL COLLEGE OF ARTS AND SCIENCES

(AP. Govt. Aided, Autonomous, NAAC B)
Dr. P.V.N. RAJU VIDYAPRANGANAM
SAMALKOT ROAD, KAKINADA

DEPARTMENT OF ENGLISH

Value added Course for the year 2022-2023

"Personality Development"

Day Wise Course Schedule

S.No	Date	Торіс
1.	09-01-2023	Definition
2.	10-01-2023	Assertiveness
3.	17-01-2023	Classification
4.	18-01-2023	Importance of Assertiveness
5.	19-01-2023	Assignment – I
6.	20-01-2023	Student Seminar
7.	21-01-2023	Real time examples by the students
8.	23-01-2023	Goals Setting
9.	24-01-2023	Types of Goals
10.	25-01-2023	Why Goals fail?
11.	27-01-2023	Assignment – II
12.	28-01-2023	Body language
13.	30-01-2023	Practice

14.	31-01-2023	Positive Attitude
15.	01-02-2023	Importance of Positive Attitude
16.	02-02-2023	Student seminar
17.	03-02-2023	Real time examples by the students
18.	04-02-2023	Assignment – III
19.	06-02-2023	Leadership qualities
20.	07-02-2023	Is it Important in this 21st century?
21.	08-02-2023	Real time examples by the students
22.	09-02-2023	Student seminar
23.	10-02-2023	Values in Education
24.	13-02-2023	What are the Values in Education?
25.	14-02-2023	Classification
26.	15-02-2023	Practices
27.	16-02-2023	Real time examples by the students
28.	17-02-2023	Assignment – VI
29.	19-02-2023	Overall view on the topics
30.	20-02-2023	Review

Signature of the Gordinator

Course Structure & Syilabus

30 hrs.

OBJECTIVES:

- Distinguish between assertive, aggressive, and passive responses, and describe the cause and effect relationship of each.
- > Objectives should be specific, concise, observable, and measurable. Each learning objective should target one particular aspect of student performance and be expressed with a single action verb.
- Accurately interpret a range of non-verbal signals. Increase your awareness of cultural variations.

COURSEOUTCOMES:

- > Student will able to understand Assertiveness allows us to communicate our thoughts, beliefs, opinions, and emotions in a positive and confident way being neither passive nor aggressive
- > Student will be able to categorize It is important that goals are set in a way such that we focus on the process and performance rather than the outcome of competition.
- > Student will be able to Understand the importance of value education can be understood through its benefits as it develops physical and emotional aspects, teaches mannerism, and develops a sense.

Module I 10 hours

Assertiveness is a skill regularly referred to in social and communication skills training.

Being assertive means being able to stand up for your own or other people's rights in a calm and positive way, without being either aggressive, or passively accepting 'wrong'.

Module II 10 hours

Goal setting refers to the process of setting specific, attainable targets for individuals or groups. It is a motivational technique which can help the employees to understand the business goals, and motivate them to rise to the challenges. Goal settings have to be specific, measurable, achievable, realistic and time bound

Module III 10 hours

Good leaders possess self-awareness, garner credibility, focus on relationship-building, have a bias for action, exhibit humility, empower others, stay authentic, present themselves as constant and consistent, become role models and are fully present.



SCIENCES Autonomous & NAAC B

DEPARTMENT OF English
OFFERING

A FOUR WEEK VALUE ADDED COURSE

NC

"Personality Development"

(January 2023 - February 2023)

Coordinator

Resource Person

Sri.K Naresh Babu HOD, English Ideal College of Arts and Sciences(A), Kakinada E-mail Id: nareshkumar123 @gmail.com

Contact Number: 9866031348

Sri.U.Nani Babu
Assistant Professor of English
Ideal College of Arts and
Sciences(A), Kakinada
E-mail Id: nanieng5@gmail.com
Contact Number: 9848807795

Certificates will be provided on successful completion of the courses

ABOUT THE INSTITUTION

The ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result, the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

About the Department

The Department of English was started in 1974. It enjoys the experience of the able and dedicated faculty and benevolent leadership of the stalwart academicians. English Department have Integrates skill Development, LSRW skills, communication skills, employ ability skills and soft skills with a shared focus on promoting human values, environmental ethics, self-awareness, social responsibility, national consciousness and global outlook through carefully selected inspirational literary texts and service oriented programs.

About the Course

English Language is a channel of expression and communication.

It places a pivotal role in the personality of an individual. Language is important because it's one of the main ways to communicate and interact with other people around us. It keeps us in contact with other people. English language is an example for the importance of a language because it is the international language and has become the most important language to people in many parts of the world. It is most widely used in communicating around the world, Also it is spoken as the first language in many countries. English is playing a major role in many sections like medicine, engineering and business. There are many reasons that makes English is the most important language in the world.

REGISTRATION FORM

Name of the Studen	t :	
Roll No	:	
Class	:	
Address for		
Correspondence	: _	
Mobile Number	: ;	
E-mail	:	1
		Signature

IDEAL COLLEGE OF ARTS AND SCIENCES

(AP. Govt. Aided, Autonomous, NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM

SAMALKOT ROAD, KAKINADA

DEPARTMENT OF ENGLISH

Value added Course for the year 2022-2023

"Personality Development"

S.No	Roll Number	Name of the Student	Signature
1.	2220402001	BHASKARA V V SATYANARAYANA KANTIPUDI	K.B. Safaanaya
2.	2220402002	GANGADHAR BALLA	B. CIA NOIADH AR
3.	2220402003	PAVAN SESHA SAI CHERUKURI	Ch. paken sesta sai
4.	2220402004	SATYA NAGENDRA APPANNA BADHANAPALLI	B. 3 negerbres
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6.	2220402006	VEERA CHAKRA ULISETTI	v. chakya
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8.	2220402008	VEERA VENKATA SATYANARAYANA GALLA	Crv. Satyanatayana
9.	2220402009	KIRAN KUMAR CHODE	CH. kexan kumax
10.	2220402201	ARAVIND MUPPIDI	M. Anavird.
11.	2220402202	BALA NAGA RAMYA SRI BHIMANADHAM	B. Rovonya sai
12.	2220402203	BHARGAVI ELLA	B. GLLA
13.	2220402204	CHANDRAYYA MANDI	M. CHANDRAYNA.
14.	2220402205	CHINNA RAJESH LINGAM	Ch. Rajesh Lingam.
15.	2220402206	DILEEP KUMAR KANCHI	K-Dilsep Kumas
16.	2220402207	DURGA PRASAD REKADI	· Dunga pinasal
17.	2220402208	KAMESH CHANDRA PEMMADI	K.C. Pemmadi
18.	2220402209	KIRAN KISHORE KALADI	K. Kishore
19.	2220402210	KIRAN KUMAR REDDI	K.K. Redi
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9	2220402503	CHANDRA SEKHARA DORA KARAM	C. DoRa EtRAM
8	2220402502	BHAVANI PRASAD VEMPATAPU	B. Pran
7	2220402501	BHAVANI KASI	k. Bhavani
6	2220402401	CHANDRA SEKHAR ARADADI	C.S. Anadadi
5	2220402420	VENKATA SUBRAHMANYAM PEKETI	P. Subramanyeum.
4	2220402419	VENKATA MANIKANTA KOSIREDDY	D. Hembert
3	2220402418	VEERA BABU SURARAPU	g. Vera bebo
2	2220402417	VEERA BABU RANGANADHAM	R. Veva Bal
1	2220402416	SURENDRA MUTHYALA	M. Swendson
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9	2220402414	SRINIVASA VARA PRASAD AĐADADI	\$. S.V. Provad
8	2220402413	SRINIVAS BASSA	B. Spinerely
7	2220402412	SRI RAMULU KANDA	Kanda-Ramuly
6	2220402411	SAI PRAVEEN BODDU	B. Sai Proveen
5	2220402410	RAGHAVENDRA VENNA	v. Raghavendr
4	2220402409	PUSHPA SAI MOUNIKA CHAGANTI	c.h.p.s. Hourika
3	2220402408	PRADEEP PENKE	P. pradeep
2	2220402407	NAGESWARA RAO RASAMSETTY	R= Nage SUARA
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8	2220402403	DURGA NAGALAKSHMI KADIYAM	D. Durga Rao
7	2220402402	DHARMENDRA KOPPADI	K. DHARMENDA
6	2220402401	CHANDRA SEKHAR ARADADI	A. Chandraish
5	2220402216	MANIKANTA SWAMY POTU	P. manil bant
4	2220402215	MANIKANTA KONA	K. Mari Kout
3	2220402214	MANEESH MOLLU	M. Manees
	2220402213	MAHESH YELLA	Y. Malyech



IDEAL COLLEGE OF ARTS AND SCIENCES (AP. Govt. Aided Autonomous NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

A four-week Value-added Course on "Personality Development" organized by Department of English (January - 2023 – February - 2023)

SYLLABUS

1. Assertiveness

Being assertive means communicating with others in a direct and honest manner without intentionally hurting anyone's feelings. Direct communication can reduce conflict, build self-confidence and enhance personal and work relationships. Assertiveness is a skill that anyone can learn.

2. Goals Setting

Goal-setting is the process of identifying something you want to accomplish and establishing measurable and specific objectives to achieve it. Goals are your desired results that you or your team are committed to achieving within a specific time frame.

3. Body language

Body language is a range of nonverbal signals that you can use to communicate your feelings and intentions. These include your posture, facial expressions, and hand gestures. Your ability to understand and interpret other people's body language can help you to pick up on unspoken issues or feelings.

4. Positive Attitude

People with a positive mental attitude have an infectious way about them that compels others to gravitate in their direction. They're optimistic, uplifting, and don't give in to hopelessness even in the worst of times.

5. Leadership qualities

Good leaders possess self-awareness, garner credibility, focus on relationship-building, have a bias for action, exhibit humility, empower others, stay authentic, present themselves as constant and consistent, become role models and are fully present.

6. Values in Education Values for Educational Leadership promotes critical thought and constructive analysis about underlying values that involve: Aims and moral purpose in education. Individual qualities in educational leadership. Vision in education.



IDEAL COLLEGE OF ARTS AND SCIENCES (AP. Govt. Aided Autonomous NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

VALUE ADDED COURSE REPORT

A four-week Value-added Course on

"Personality Development"

organized by Department of English

(January 2023 - February 2023)

Resource Person

Dr.Naresh Babu

Assistant Professor of English

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: drnareshbabu@gmail.com

Contact Number: 9948083647

Coordinator

Sri . U Nani Babu

HOD.

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: nanieng5@gmail.com Contact Number: 9848807795

SYLLABUS

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6. Values in Education

Values for Educational Leadership promotes critical thought and constructive analysis about underlying values that involve: Aims and moral purpose in education. Individual qualities in educational leadership. Vision in education.

Outcomes of the Course:

After Successful Completion of Value-added Course

- 1. Student will able to understand Assertiveness allows us to communicate our thoughts, beliefs, opinions, and emotions in a positive and confident way being neither passive nor aggressive
- 2. Student will be able to categorize It is important that goals are set in a way such that we focus on the process and performance rather than the outcome of competition.
- 3. Student will be able to Understand the importance of value education can be understood through its benefits as it develops physical and emotional aspects, teaches mannerism, and develops a sense.

Number of Participants: 50 Members

Signature of the Coordinator

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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

DEPARTMENT OF ENGLISH

CERTIFICATE

This is to certify that N	Ir./Ms./Mrs
From	_has completed Four week value added course on
"Personality Development"	conducted by the Department of English, Ideal
College of Arts and Science	(A), Kakinada, from January 2023 to February 2023.

Sri U. Nani Babu Resource Person Sri K. Naresh Babu Coordinator Dr. T. Satyanarayana

Principal

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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAMKAKINADA

NOTICE

Date: 02.01.2023

All the 1st B.Sc. students are here by informed that Department of Artificial Intelligence and Robotics conducting A four week value added course on MS Office tools from 17.01.2023 to 18.02.2023

Interested candidates are register their names with Mr.V.Jeevan kanth (H.O.D of Airtificial Intelligence and Robotics) Course coordinator on or before 16.01.2023.

PRINCIPAL

Principal
Ideal College of Arts & Sciences (A)

KAKINADA

IDEAL COLLÈGE OF ARTS & SCIÈNCES: KAKINADA

(Autonomous & NAAC B)

B.Sc. Artificial Intelligence and Robotics MS Office tools

Day wise course schedule

Day	Topic	Date
1	Course Content MS WINDOWS, COMPUTER BASICS	17.01.2023
	 Computer Basic, Creating Folder, Paint Directories, input units, Output unit Central Processing Units, What is hard ware, what is Soft ware Windows short cut keys 	
2	MS WORD Module 1: Text Basics	17.02.2023
	 Typing the text, Alignment of text Editing Text: Cut, Copy, Paste, Select All, Clear Find & Replace 	
3	 Module 2: Text Formatting and saving file New, Open, Close, Save, Save As Formatting Text: Font Size, Font Style Font Color, Use the Bold, Italic, and Underline Change the Text Case 	18.01.2023
	 Line spacing, Paragraph spacing Shading text and paragraph Working with Tabs and Indents 	

4		19.01.2023
4	 Module 3: Working with Objects Shapes, Clipart and Picture, Word Art, Smart Art Columns and Orderings - To Add Columns to aDocument Change the Order of Objects Page Number, Date & Time Inserting Text boxes Inserting Word art Inserting chart 	19.01.2023
5	 Module 4: Header & Footers Inserting custom Header and Footer Inserting objects in the header and footer Add section break to a document Module 5: Working with bullets and numbered lists Multilevel numbering and Bulleting Creating List Customizing List style Page bordering Page background 	20.01.2023
6	 Module 6: Tables Working with Tables, Table Formatting Table Styles 	21.01.2023

	Alignment option	
	Merge and split option	
7	 Module 7: Styles and Content Using Build- in Styles, Modifying Styles Creating Styles, Creating a list style Table of contents and references Adding internal references Adding a Footnote Adding Endnote 	21.01.2023
8	 Module 8: Merging Documents Typing new address list Importing address list from Excel file Write and insert field Merging with outlook contact Preview Result Merging to envelopes Merging to label Setting rules for merges Finish & Merge options 	23.01.2023
9	Module 9: Sharing and Maintaining Document Changing Word Options Changing the Proofing Tools Managing Templates Restricting Document Access Using Protected View Working with Templates Managing Templates Understanding building blocks	24.01.2023
10	Module 10: Proofing the document	25.01.2023

	 Check Spelling As You Type. Mark Grammar Errors As You Type. Setting AutoCorrect Options Module 11: Printing Page Setup, Setting margins Print Preview, Print 	
11	MS EXCEL Module 12: Introduction to Excel Introduction to Excel interface Understanding rows and columns, Naming Cells Working with excel workbook and sheets	27.01.2023
12	 Module 13: Formatting excel work book: New, Open, Close, Save, Save As Formatting Text: Font Size, Font Style Font Color, Use the Bold, Italic, and Underline Wrap text, Merge and Centre Currency, Accounting and other formats Modifying Columns, Rows & Cells 	28.01.2023
13	 Module 14: Perform Calculations withFunctions Creating Simple Formulas Setting up your own formula Date and Time Functions, Financial Functions Logical Functions, Lookup and Reference Functions Mathematical Functions Statistical Functions, Text Functions. 	30.01.2023

14	Module 15: Sort and Filter Data with Excel	31.01.2023
	 Sort and filtering data Using number filter, Text filter Custom filtering Řemoving filters from columns Conditional formatting 	
15	Module 16: Create Effective Charts to PresentData Visually Inserting Column, Pie chart etc. Create an effective chart with Chart Tool Design, Format, and Layout options Adding chart title Changing layouts Chart styles Editing chart data range Editing data series Changing chart	02.02.2023
16	 Module 17: Analyze Data Using PivotTablesand PivotCharts Understand PivotTables, Create a PivotTable Framework Using the PivotTable and PivotChart Create Pivot Chart from pivot Table. Inserting slicer Creating Calculated fields 	03.02.2023
17	Module 18: Protecting and Sharing thework book Protecting a workbook with a password Allow user to edit ranges Track changes Working with Comments Insert Excel Objects and Charts in Word Document and Power point Presentation	04.02.2023
	Module 19: Use Macros to Automate Tasks	

	 Creating and Recording Macros Assigning Macros to the work sheets Saving Macro enabled workbook 	
19	 Module 20: Proofing and Printing Page setup, Setting print area, Print titles Inserting custom Header and Footer Inserting objects in the header and footer Page Setup, Setting margins, Print Preview, Print Enable back ground error checking Setting AutoCorrect Options 	06.02.2023
20	MS POWERPOINT Module 21: Setting Up PowerPoint Environment: New, Open, Close, Save, Save As Typing the text, Alignment of text Formatting Text: Font Size, Font Style Font Color, Use the Bold, Italic, and Underline Cut, Copy, Paste, Select All, Clear text Find & Replace Working with Tabs and Indents	08.02.2023
21	Module 22: Creating slides and applying themes Inserting new slide Changing layout of slides Duplicating slides Copying and pasting slide Applying themes to the slide layout Changing theme color Slide background Formatting slide background Using slide views	09.02.2023

	 Module 23: Working with bullets and numbering Multilevel numbering and Bulleting Creating List Page bordering Page background Aligning text 	
	 Text directions Columns option 	
23	 Module 24: Working with Objects Shapes, Clipart and Picture, Word Art, SmartArt Change the Order of Objects Inserting slide header and footer Inserting Text boxes Inserting shapes, using quick styles Inserting Word art Inserting symbols Inserting Chart 	10.02.2023
24	 Module 25: Hyperlinks and Action Buttons Inserting Hyperlinks and Action Buttons Edit Hyperlinks and Action Button Word Art and Shapes 	13.02.2023
25	 Module 26: Working With Movies and Sounds Inserting Movie From a Computer File Inserting Audio file Audio Video playback and format options Video options, Adjust options Reshaping and bordering Video 	14.02.2023

26	Module 27: Using SmartArt and Tables	15.02.2023
	Working with Tables, Table Formatting	
	Table Styles	
	Alignment option	
	Merge and split option	
	Converting text to smart art	
27	Module 28: Animation and Slide Transition	16.02.2023
	Default Animation, Custom Animation	
	Modify a Default or Custom Animation	
	 Reorder Animation Using Transitions 	
	 Apply a Slide Transition, Modifying a 	
	 Transition, Advancing to the Next Slide 	
28	Module 29: Using slide Master	16.02.2023
	Using slide master	
	 Inserting layout option 	
	 Creating custom layout 	
	 Inserting place holders 	
	Formatting place holders	
29	Module 30: Slide show option	17.02.2023
	Start slide show	
	Start show from the current slide	
	Rehearse timing	
	 Creating custom slide show 	
	Module 31: Proofing and Printing	
	Check Spelling As You Type	
8	Setting AutoCorrect Options	
	 Save as video 	
	 Save as JPEG files 	
	 Save as PowerPoint Show file 	
	 Print Preview, Print 	

Prescribed text book: Let us MS Office tools

SYLLABUS:

- **OTO LEARN ABOUT BASICS OF COMPUTER**
- **OTO UNDERSTAND DIFFERENT FEATURES**
- **OTO KNOW ABOUTUSAGE OF COMPUTER**

CONTENTS:

TO KNOW ABOUTUSAGE OF COMPUTER

MS WORD

MODULE 1: TEXT BASICS

MODULE 2: TEXT FORMATTING AND SAVING FILE
MODULE 3: WORKING WITH OBJECTS
MODULE 4: HEADER & FOOTERS
MODULE 6: TABLES
MODULE 7: STYLES AND CONTENT
MODULE 8: MERGING DOCUMENTS
MODULE 9: SHARING AND MAINTAINING DOCUMENT

MODULE 10: PROOFING THE DOCUMENT MODULE 11: PRINTING

MS EXCEL

MODULE 12: INTRODUCTION TO EXCEL
MODULE 13:FORMATTING EXCEL WORKBOOK:
MODULE 14: PERFORM CALCULATIONS WITH FUNCTIONS
MODULE 15: SORT AND FILTER DATA WITH EXCEL
MODULE 16: CREATE EFFECTIVE CHARTS TO PRESENT
DATA VISIALLY

MODULE 17: ANALYZE DATA USING PIVOT TABLES AND PIVOT CHARTS

MODULE 18: PROTECTING AND SHARING THE WORK BOOK MODULE 19: USE MACROS TO AUTOMATE TASKS MODULE 20: PROOFING AND PRINTING MS POWERPOINT

MODULE 21: SETTING UP POWERPOINT ENVIRONMENT:
MODULE 22: CREATING SLIDES AND APPLYING THEMES
MODULE 23: WORKING WITH BULLETS ANDNUMBERING
MODULE 24: WORKING WITH OBJECTS
MODULE 25: HYPERLINKS AND ACTION BUTTONS
MODULE 26: WORKING WITH MOVIES ANDSOUNDS
MODULE 27: USING SMARTART AND TABLES
MODULE 29: USING SLIDE MASTER
MODULE 30: SLIDE SHOW OPTION
MODULE 31: PROOFING AND PRINTING



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND ROBOTICS

VALUE ADDED COURSE ON

MS OFFICE TOOLS



RESOURCE PERSON

MR.K.MACHARAO
ASST.PROFRSSOR IN COMPUTER

CO-ORDINATOR

JEEVAN KANTH

HOD, DEPARTMENT OF AL & ROBOTICS IDEAL COLLEGE OF ARTS AND SCIENCE KAKINADA



ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 and inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India

Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr P. V.N. Raju, Dr P. ChiranjeeviniKumari, Dr N. S. R. Sastry and others. The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. ChiranieeviniKumari a renowned educationist, scholar and famous writer in Telugu Literature under whose quidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned throughout the entire district and created awareness among the parents and students for the immediate necessity of a co⊠education Degree College in Kakinada with support from the government. As a result, the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently, Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District

ABOUT THE DEPARTMENT

The department of Computer
Science was established since 2020.
The faculty members of the
department are well experienced in
teaching. The Department has a
computers lab (for programming
practice) as per U.G.C. Guide lines.
The department is maintaining a
departmental library with the books
of staff members, specimen copies
of publishers nearly 150 in number,
for the ready reference to students
to tackle different methods in
practical sessions.

ABOUT THE COURSE

The MS Office Tools course gives a step-by-step approach to mastering the MS Office Tools for novices. By studying c in a methodical manner, you may fine-tune your coding abilities and turn your ideas into applications, laying a solid basis for embedded systems and more sophisticated electronics systems.

REGISTRATION FORM

Name:
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Ideal College of Arts and Sciences

Autonomous, NAAC-B Vidyutnagar, Kakinada Value Added Course enrolment

Value added Course Name: MS obbite tools (4 creeks)

Dates: 17/1/2023 fo 18/2/2023

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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) KAKINADA

VALUE-ADDED COURSE REPORT

A Four-week Value-Added Course on "MS Office Tools" Organized by Department of

Artificial Intelligence and

Robotics

(17/01/2023 to 18/02/2023)

Resource Person:

Mr. K. Macharao

Asst.professor in computers

Ideal College of Arts & Sciences (A),

Kakinada Email.

Contact Number: 8501001658

Coordinator

Mr. V. Jeevan Kanth

H.O.D Artificial Intelligence

and Robotics

Ideal College of Arts & Sciences (A),

Kakinada

Email.

hodair@idealcollege.edu.in

Contact Number: 9640419933

Objectives:

- To learn about basics of computer
- To understand different features
- To know about usage of computer

Course Content

MS WINDOWS, COMPUTER BASICS

- Computer Basic, Creating Folder, Paint
- Directories, input units, Output unit
- Central Processing Units,
- What is hard ware, what is Soft ware
- Windows short cut keys

MS WORD

Module 1: Text Basics

- Typing the text, Alignment of text
- Editing Text: Cut, Copy, Paste, Select All, Clear
- Find & Replace

Module 2: Text Formatting and saving file

- New, Open, Close, Save, Save As
- Formatting Text: Font Size, Font Style
- Font Color, Use the Bold, Italic, and Underline
- Change the Text Case
- Line spacing, Paragraph spacing
- Shading text and paragraph
- Working with Tabs and Indents

Module 3: Working with Objects

- Shapes, Clipart and Picture, Word Art, Smart Art
- Columns and Orderings To Add Columns to a Document
- Change the Order of Objects
- Page Number, Date & Time
- Inscrting Text boxes
- Inserting Word art
- Inserting symbols
- Inserting Chart

Module 4: Header & Footers

- Inserting custom Header and Footer
- Inserting objects in the header and footer
- Add section break to a document

Module 5: Working with bullets and numbered lists

- Multilevel numbering and Bulleting
- Creating List
- Customizing List style
- Page bordering
- Page background

Module 6: Tables

- Working with Tables, Table Formatting
- Table Styles
- Alignment option
- Merge and split option

Module 7: Styles and Content

- Using Build- in Styles, Modifying Styles
- Creating Styles, Creating a list style
- Table of contents and references
- Adding internal references
- Adding a Footnote
- Adding Endnote

Module 8: Merging Documents

- Typing new address list
- Importing address list from Excel file
- Write and insert field
- Merging with outlook contact
- Preview Result
- Merging to envelopes
- Merging to label
- Setting rules for merges
- Finish & Merge options

Module 9: Sharing and Maintaining Document

- Changing Word Options
- Changing the Proofing Tools
- Managing Templates
- Restricting Document Access
- Using Protected View
- Working with Templates
- Managing Templates
- Understanding building blocks

Module 10: Proofing the document

- Check Spelling As You Type.
- Mark Grammar Errors As You Type.
- Setting AutoCorrect Options

Module 11: Printing

- Page Setup, Setting margins
- Print Preview, Print

MS EXCEL

Module 12: Introduction to Excel

- Introduction to Excel interface
- Understanding rows and columns, Naming Cells

Working with excel workbook and sheets

Module 13:Formatting excel work book:

- New, Open, Close, Save, Save As
- Formatting Text: Font Size, Font Style
- Font Color, Use the Bold, Italic, and Underline
- Wrap text, Merge and Centre
- Currency, Accounting and other formats
- Modifying Columns, Rows & Cells

Module 14: Perform Calculations with Functions

- Creating Simple Formulas
- Setting up your own formula
- Date and Time Functions, Financial Functions
- Logical Functions, Lookup and Reference
- Functions Mathematical Functions
- Statistical Functions, Text Functions.

Module 15: Sort and Filter Data with Excel

- Sort and filtering data
- Using number filter, Text filter
- Custom filtering
- Removing filters from columns
- Conditional formatting

Module 16: Create Effective Charts to Present Data Visually

- Inserting Column, Pie chart etc.
- Create an effective chart with Chart Tool
- Design, Format, and Layout options
- Adding chart title
- Changing layouts
- Chart styles
- Editing chart data range
- Editing data series
- Changing chart

Module 17: Analyze Data Using Pivot Tables and Pivot Charts

- Understand PivotTables, Create a PivotTable
- Framework Using the PivotTable and PivotChart
- Create Pivot Chart from pivot Table.
- Inserting slicer
- Creating Calculated fields

Module 18: Protecting and Sharing the work book

- Protecting a workbook with a password
- Allow user to edit ranges
- Track changes
- Working with Comments
- Insert Excel Objects and Charts in Word Document and Power point Presentation.

Module 19: Use Macros to Automate Tasks

- Creating and Recording Macros
- Assigning Macros to the work sheets
- Saving Macro enabled workbook

Module 20: Proofing and Printing

- Page setup, Setting print area, Print titles
- Inserting custom Header and Footer
- Inserting objects in the header and footer
- Page Setup, Setting margins, Print Preview, Print
- Enable back ground error checking
- Setting AutoCorrect Options

MS POWERPOINT

Module 21: Setting Up PowerPointEnvironment:

- New, Open, Close, Save, Save As
- Typing the text, Alignment of text
- Formatting Text: Font Size, Font Style

- Font Color, Use the Bold, Italic, and Underline
- Cut, Copy, Paste, Select All, Clear text
- Find & Replace
- Working with Tabs and Indents

Module 22: Creating slides and applying themes

- Inserting new slide
- Changing layout of slides
- Duplicating slides
- Copying and pasting slide
- Applying themes to the slide layout
- Changing theme color
- Slide background
- Formatting slide background
- Using slide views

Module 23: Working with bullets and numbering

- Multilevel numbering and Bulleting
- Creating List
- Page bordering
- Page background
- Aligning text
- Text directions
- Columns option

Module 24: Working with Objects

- Shapes, Clipart and Picture, Word Art, SmartArt
- Change the Order of Objects
- Inserting slide header and footer
- Inserting Text boxes
- Inserting shapes, using quick styles
- Inserting Word art
- Inserting symbols
- Inserting Chart

Module 25: Hyperlinks and Action Buttons

- Inserting Hyperlinks and Action Buttons
- Edit Hyperlinks and Action Button
- Word Art and Shapes

Module 26: Working With Movies and Sounds

- Inserting Movie from a Computer File
- Inserting Audio file
- Audio Video playback and format options
- Video options, Adjust options
- Reshaping and bordering Video

Module 27: Using SmartArt and Tables

- Working with Tables, Table Formatting
- Table Styles
- Alignment option
- Merge and split option
 Converting text to smart art

Module 28: Animation and Slide Transition

- Default Animation, Custom Animation
- Modify a Default or Custom Animation
- Reorder Animation Using Transitions
- Apply a Slide Transition, Modifying a
- Transition, Advancing to the Next Slide

Module 29: Using slide Master

- Using slide master
- Inserting layout option
- Creating custom layout
- Inserting place holders
- Formatting place holders

Module 30: Slide show option

- Start slide show
- Start show from the current slide
- Rehearse timing
- Creating custom slide show

Module 31: Proofing and Printing

- Check Spelling As You Type
- Setting AutoCorrect Options
- Save as video
- Save as JPEG files
- Save as PowerPoint Show file
- Print Preview, Print

No. of participants:16

Signature of the coordinator



Certificate of Achievement

IDEAL COLLEGE OF ARTS & SCIENCES (AUTONOMUS, NAAC B) KAKINADA



DEPARTMENT OF ARTIFICIAL INTELLIGENCE
AND ROBOTICS

This is certify that Dr./Mr./Mrs	from
has completed four weeks value-added	course on
"Ms.Office Tools" conducted by the Department of Artificial intelligence	and Robotics
Ideal college of Arts & science(A),KAKINADA from 17th Jan 2023 to 1	8th Feb 2023

Mr. K.Macharao

Resource person

Mr.V.Jeevan Kanth

co-ordinator

Dr.T.Satyanarayana

Principal



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

NOTICE

Date: 20.01.2023

All the I, II, III B. Sc., BZC students are here by informed that Department of Zoology is conducting A four-week value added course on "General Informatics, Bioinformatics and Molecular Biology" from February 2023 to April 2023.

Interested candidates are requested to register their names with Sri T. Pradeep Sastry, Assistant Professor of Zoology and Course Coordinator on or before 30.01.2023.

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ueal College of Arts & Sciences (A)
KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous, NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA

DEPARTMENT OF ZOOLOGY

Value added Course for the year 2022-2023

A Four Week Value Added Course on "General Informatics, Bioinformatics and Molecular Biology"

S.No	Date	Topic
1.	01.02.2023	Overview of Information Technology
2.	02.02.2023	features of the modern Personal Computer
3.	03.02.2023	computer networks and internet
4.	04.02.2023	Operating System
5.	06.02.2023	DOS/ Windows, Linux
6.	07.02.2023	Purchase of technology
7.	08.02.2023	Knowledge skills for Higher Education
8.	01.03.2023	knowledge management
9.	02.03.2023	academic search techniques
10.	03.03.2023	creating your cyber presence
11.	06.03.2023	Case study of educational softwares
12.	07.03.2023	Academic services
13.	09.03.2023	Social Informatics
14.	10.03.2023	IT and society

15.	13.03.2023	Digital divide
16.	14.03.2023	Methods to counter digital divide
17.	15.03.2023	IT and development
18.	16.03.2023	Cyber ethics
19.	17.03.2023	Cyber crime
20.	18.03.2023	Software piracy
21.	20.03.2023	Cyber security
22.	01.04.2023	Cyber laws
23.	03.04.2023	Computer- Ergonomics and Health issues
24.	04.04.2023	Guide lines for proper usage of computers
25.	06.04.2023	Internet and mobile phones
26.	10.04.2023	IT and regional languages
27.	11.04.2023	Free software debate
28.	12.04.2023	E-Waste and Green computing
29.	13.04.2023	Student Seminar
30.	14.04.2023	Review of the Value added course



Course Structure & Syllabus

30 hrs

OBJECTIVES:

To review the basic concepts and functional knowledge in the field of informatics

- To create awareness about nature of the emerging digital knowledge society
- To create awareness about social issues and concerns in the use of digital technology

COURSEOUTCOMES:

At the end of this course students should be able to demonstrate a clear understanding of the facts and basic concepts of molecular biology which are covered in lectures, including:

- 1. To provide with the core principles of molecular biology.
- 2. To gain higher level thinking skills that is necessary for scientists.

Module | 10 hours

Overview of Information Technology: features of the modern Personal Computer and Peripherals, computer networks and internet, Introduction to Operating System-DOS/ Windows, Linux. Purchase of technology, license, guarantee, warranty.

Module II 10 hours

Knowledge skills for Higher Education: Data information and knowledge, knowledge management - Internet as a knowledge repository, academic search techniques, creating your cyber presence, open access initiatives, open access publishing models. basic concepts of Intellectual property rights(IPR), copyrights, patents, plagiarism, Use of IT in teaching and learning, Case study of educational softwares. Academic services - INFLIBNET, NICNET, BRNET

Module III 10 hours

Social Informatics: IT and society, Issues and Concerns, Digital divide, Methods to counter digital divide, IT and development, new opportunities and new threats. Cyber ethics, Cyber crime, Software piracy, Cyber security, Cyber laws, Privacy issues, Cyber

addictions, information overload. Computer- Ergonomics and Health issues, Guide lines for proper usage of computers, Internet and mobile phones. IT and regional languages, IT for the disabled, Free software debate, E-Waste and Green computing.



SCIENCES (Autonomous & NAAC B)

OFFERING

A FOUR WEEK VALUE ADDED COURSE

ON

"GENERAL INFORMATICS, BIOINFORMATICS
AND MOLECULAR BIOLOGY"

(February 2023 - April 2023)

Coordinator

Resource Person

Sri T. Pradeep Sastry
Assistant Professor of
Zoology
Ideal College of Arts and
Sciences(A), Kakinada

Sri Y. Ayyanna HOD, Zoology Ideal College of Arts and Sciences(A), Kakinada

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

About the Department

The Department of Zoology was started in 1974. It enjoys the experience of the able and dedicated faculty and benevolent leadership of the stalwart academicians. The Departments have a well equipment to cater the need of students for their practical oriented curriculum. The Department also having good number of specimens, models, charts, along with LCD projector, OHP, Monoculars, Binoculars, Trinoculars, Oven, High speed centrifuges and a good musium.

About the Course

Name of the Student:

Bioinformatics is a branch that deals with the hand in hand learning and development of the fields of computer science, engineering as well as statistics to process information dealing with biology. It uses such tools to make further advancements in biology as well as process and store data related to it.

REGISTRATION FORM

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Class	:	
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Correspondence	:	
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Signature

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous, NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM

SAMALKOT ROAD, KAKINADA

DEPARTMENT OF ZOOLOGY

Value added Course for the year 2022-2023

General Informatics, Bioinformatics and Molecular Biology

S.No	Roll Number	Name of the Student	Signature
1.	2210402501	ANIL KUMAR MEKA	Anil kymar me
2.	2210402502	APPANNABABU BUDDA	B Appunnabal
3.	2210402503	ARYA SETTIBATHULA	S. Arya
4.	2210402504	ASHOK KUMAR KUNJAM	K. Ashok kuma
5.	2210402505	BHUMIKA NAGA MANI AMALADASU	A · B · N · Man?
6.	2210402506	CHAKRAVARTHI MOTUKURI	Divayari hull
7.	2210402507	DIVYASRI GUTTULA	Gr Dingay 1
8.	2210402508	DURGA PRASAD BADDI	B. D. Prasad
9.	2210402509	GIRIJON PESINGI	GIRIJON PESIN
10.	2210402510	HANU VIGNESH KEDARISETTI	K. H. vignesh
11.	2210402511	HEMA DANDI	Hema Dandi
12.	2210402512	JASMINE CHINTAPALLI	c. Jaynine
13.	2210402513	JAYA SATYA SRI GINJALA	Co Jain Salina
14.	2210402515	LEELA LAKSHMI KUMARI PENKE	Ch. Joya Sakyas
15.	2210402516	LOVABABU PALLAPATI	P-lovababu
16.	2210402517	MANIKANTA KETHA	k. Hanikanta
17.	2210402519	MEGHANA MEDISETTI	M. Meghana
18.	2210402520	MOHAN BALA KUMAR ROKALA	R. M.B. Kum

	19	2210402522	MOTTI REDDY KATHULA	k. mottle goddy
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Police voice	27.	2210402530	RAJESH SINGAMPALLI	B. priyanka
	28.	2210402531	RAJU GULLANKI	S-Razeth
-	29.	2210402532	RAJU NAMADI	G. Raju
		2210402533	RAMA LOKESH GANTIMALLA	N. Rayy
				G. Ruma West
		2210402534	RAMYA JANIPELLA	J. Ranya
3	2. 2	2210402535	RAVI KISHORE JUVVALA	J. Ravi KisHora
3	3. 2	210402536	RUPA PESINGI	P. Rupa
34	4. 2	210402537	SAI KUMAR GUJJA	0 00.
3.5	5. 2	210402538	SAILAJA PRASADULA	Cr. Sai kumas
36	5. 22	210402539	SATISH SETTIBATHULA	P. SalaJa
37	. 22	10402540	SATYANARAYANA REDDY ROLUPALLI	5. salish
38	22	10402541	SIVAJI PALLI	R. SutyMunder on
39.		10402542		P. Sivayl
			SIVARAMAKRISHNA NAGALLA	N.S.R. Kanshing
40.	22:	10402543	SOMU SEKHAR GEDDAM	
41.	221	.0402544	SOWMYA PRIYA DARSHINI VANKALA	CV. SOMOJEFHUD
42.	221	0402545	SRIRAMA VARMA SANGADI	V.S.P. darship
43.	221	0402546	SUBHASH UPPALAPATI	S. SPIRAMO Varna
44.	2210	0402547		U. SuBhash.
			SURYA KUMARI MURLA	M. Surya Konari
45.		0402549	THARUN ADDURI	A. Thoun
46.	2210	9402550	VEERA VENKATA SATYANARAYANA REDDY LOTHA	L. V.V. S. reddy

47.	2210402551	VENKATA BHAGYA LAKSHMI BATHULA	B.V. B. Lakshmi
48.	2210402552	VENKATA LAKSHMI THOTADA	T. V. Lakshmi
49.	2210402554	VIJAYA DURGA SAGAR NAKKA	N. V. D. Sagas
50.	2210402555	VIJAYA KANTH GANTA	G. V. Kanth
51.	2210402556	VINAY VENKATESH JUTTUGA	J. Vinay venta
52.	2220402501	BHAVANI KASI	Bharani kas
53.	2220402502	BHAVANI PRASAD VEMPATAPU	V. BHAVANI PA
54.	2220402503	CHANDRA SEKHARA DORA KARAM	R. C.S. DOTO
55.	2220402504	HARISH BURUGU	B. Harish.
56.	2220402505	L.N.S.NARAYANA DUVVA	D. L. M - J - 10/20/07
57.	2220402506	MAHESH LANKA	1 mahah
58.	2220402507	MANIKUMAR MADDURI	M. Manikomas
59.	2220402508	NAGENDRA PAYALA	P. Nagendra
60.	2220402509	SIVA NEELI	N. SIVA
61.	2220402510	TEIASWI KARRI	KTERSWI
62.	2220402511	SAI MANI SUBBARAYA DUVVA	Duwu saj man
63.	2220402512	VIJAYA DURGA PAVANI KATAMREDDY	K. V. D. pavani
64.	2220402501	BHAVANI KASI	Rhavani Kası

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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

VALUE ADDED COURSE REPORT

A four week Value-added Course on "General Informatics, Bioinformatics and Molecular Biology" organized by Department of Zoology

(February 2023 – April 2023)

Resource Person

Sri Y. Ayyanna

HOD, Zoology

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: ayyannayandamuri@gmail.com

Contact Number: 9948245458

Coordinator

Sri T. Pradeep Sastry

Assistant Professor of Zoology

Ideal College of Arts and Sciences(A),

Kakinada

E-mail Id: pradeepsastryideal@gmail.com

Contact Number: 9704313632

Objectives:

To review the basic concepts and functional knowledge in the field of informatics

- To create awareness about nature of the emerging digital knowledge society
- To create awareness about social issues and concerns in the use of digital technology
- To learn the nature, application and scope of Bioinformatics

Topics Covered:

Module I 10 hours

Overview of Information Technology: features of the modern Personal Computer and Peripherals, computer networks and internet, Introduction to Operating

System- DOS/ Windows, Linux. Purchase of technology, license, guarantee, warranty.

Module II 10 hours

Knowledge skills for Higher Education: Data information and knowledge, knowledge management – Internet as a knowledge repository, academic search techniques, creating your cyber presence, open access initiatives, open access publishing models. basic concepts of Intellectual property rights(IPR), copyrights, patents, plagiarism, Use of IT in teaching and learning, Case study of educational softwares. Academic services – INFLIBNET, NICNET, BRNET

Module III 10 hours

Social Informatics: IT and society, Issues and Concerns, Digital divide, Methods to counter digital divide, IT and development, new opportunities and new threats. Cyber ethics, Cyber crime, Software piracy, Cyber security, Cyber laws, Privacy issues,

Cyber addictions, information overload. Computer- Ergonomics and Health issues, Guide lines for proper usage of computers, Internet and mobile phones. IT and regional languages, IT for the disabled, Free software debate, E-Waste and Green computing.

Outcomes of the Course:

At the end of this course students should be able to demonstrate a clear understanding of the facts and basic concepts of molecular biology which are covered in lectures, including:

- 1. To provide with the core principles of molecular biology.
- 2. To gain higher level thinking skills that is necessary for scientists.
- 3. This course should excite about basic science and its applications.

Number of Participants: 64 Members

Signature of the Coordinator



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr./Ms./Mrs._

From	has completed four week value added course on
"General Informatics, Bio in	nformation and Molecular Biology" conducted by the
Department of Zoology, Ide	al College of Arts and Science(A), Kakinada, from
February 2023 to April 2023	3.

Resource Person

Sri T. Pradech Susi

Coordinator

7. Saljenengere Dr. T. Satyanarayana

Principal Principal Ideal College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM Samalkot Road, KAKINADA

Notice

Dt. 20-03-2023

It is here by informed that the Department of Computer Science is organizing a four week Value Added Course on **UNIX Operating System** from 1-04-2023 to 30-04-2023. Therefore the interested candidates are requested to register their names with Sri K. Machara Rao, Lecturer in Computer Science for Value Added Course UNIX Operating System on or before 28-03-2023.

PRINCIPAL
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Ideal College of Arts & Sciences (A)

UNIX Operating System Syllabus

Unit-I

Introduction — Definition, Types of Operating System, Functions of Operating System, Features of UNIX, Internal, External Commands, Files and File Organizations.

Unit-II

Directory related commands, wild cards, Printing and comparing files. Standard I/O, redirection, pipe, filter commands.

Unit-III

yi editor, modes of vi editor, regular expressions, grep command, shell programming. Shell variables, writing and executing shell script, Branching control structures and jumping control structures etc.

Unit-IV

Application of **Shell** programming, break, continue, exit, UNIX commands, real arithmetic and integer debugging scripts.

Prescribed Text Book:

• UNIX Concept and Applications by Sumitabha Das, McGraw Hill Publications

About the Institution

Ideal College of Arts & Sciences(A) is the first Aided College in the district with Autonomy and NAAC accredited. The College has been recognized for its services by AP State Government, AP State Council for Higher Education, Andhra University, UGC, AICTE New Delhi and various prestigious institutions. The Ideal College of Arts & Sciences (A), Kakinada have all the core subjects like Mathematics, Physics, Chemistry, Botany, Zoology, B.A., B.Com., B.Voc. like Computer Sciences, Software Development, AI& Robotics, BBA Digital Marketing, Agriculture, Food Technology. As per the demands of the market, we have skill oriented courses and absorbed the courses in the relevant subjects.

About Department

Department of Computer Science is established in the year of 1987 for the first time in the State at B.Sc. level. The department is running with full strength from the last 34 years successfully. The department has engaged several projects funded by UGC. In spite of the global crisis the department students were able to get placements in the reputed companies. The strength of the departments is its dedicated, experienced, hardworking and highly qualified staff. Faculty members are engaged in research work and publishing their work in the Conferences held at National and International level.

IDEAL COLLEGE OF ARTS AND SCIENCES

Lie, P.V.N. RAH VIDYAPRANGANAM Sainalkot Road, KAKINADA

Department of Computer Science

Value Added Course for the year 2023-2023

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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM Samalkot Road, KAKINADA

Value Added Course Report

A Four-Week value Added Course on "UNIX Operating System"

Organized by Department of Computer Science

(01-Apr-2023 to 30-Apr-2023)

Resource Person:

Name: Sri M.A.Sayeed

Designation: Head of the Dept. of Computer Science

Department: Computer Science

College: Ideal College of Arts and Sciences (A)

Contact Number: 96031 72801

Mail ID: mabdulsayeedshajahan@gmail.com

Coordinator:

Name: K.Machar Rao

Designation: Lecturer in Computer Science

Department: Computer Science

College: Ideal College of Arts and Sciences (A)

Contact Number: 85010 01658 Mail ID: macharaoideal@gmail.com

Objectives:

UNIX, multiuser computer operating system. In the late 20th century UNIX was widely used for Internet servers, workstations, and mainframe computers.

The main features of UNIX were its simplicity, portability (the ability to run on many different systems), multitasking and multiuser capabilities, extensive library of software, and hierarchical file system.

Unit-I

Introduction - Definition, Types of Operating System, Functions of Operating System, Features of UNIX, Internal, External Commands, Files and File Organizations.

Unit-II

Directory related commands, wild cards, Printing and comparing files. Standard I/O, redirection, pipe, filter commands.

Unit-III

vi editor, modes of vi editor, regular expressions, grep command, shell programming. Shell variables, writing and executing shell script, Branching control structures and jumping control structures etc.

Unit-1V

Application of Shell programming, break, continue, exit, UNIX commands, real arithmetic and integer debugging scripts.

Outcomes of the Course:

Students after successful completion of the value added course will be able to

CO1: Understand the UNIX Architecture, File systems and use of basic Commands.

CO2: Use of editors and Networking commands.

CO3: Understand Shell Programming and to write shell scripts.

Number of participants: 24

agnature of the Coordinator



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

This is to certify that Ms./M	Irs		
has successfully completed four organised by the Department Science(A), Kakinada, from 1-A	t of Computer Science,	, Ideal College	ating System" of Arts and
He / She secured grade		T.e. 0 -	

Sri M.A. Sayeed

Resource Person

Sri K. Machar Rao

Coordinator

Dr. T. Safyanarayana

Principal

Principal Jeal College of Arts & Sciences (A) KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES (AUTONOMOUS & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

NOTICE

Dt: 31-01-23

All the I B.B.A(Digital Marketing) students are here by informed that the Department of Management Studies is conducting A Four-week value added course on "Photoshop" from February 2023 to March 2023.

Interested candidates are registered their names with Sri E. Srinivasa Rao, H.O.D Management Studies and Course coordinator on or before 03.02.2023.

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KAKINADA

IDEAL COLLEGE OF ARTS & SCIENCES

(Autonomous & NAAC B)

KAKINADA

BBB (Digital Marketing)
"Photoshop"

<u>Day Wise Course Schedule</u>

Day	Date	Topic
1	06-02-23	Getting Acquainted with Photoshop
2	07-02-23	Basic Image Manipulation
3	08-02-23	Color Basics
4	09-02-23	Painting Tools
5	10-02-23	Brush Settings
6	11-02-23	Layers
7	13-02-23	Making Selections
8	14-02-23	Filling and Stroking
9	15-02-23	Advanced Layers
10	16-02-23	Text - Enter, Edit, Select and apply effects
11	17-02-23	Use of Drawing tools
12	20-02-23	Using Channels and Masking
13	21-02-23	Manipulating Images - Cropping, Changing Size & Sponge tool
14	22-02-23	Getting to know the Work Area
15	23-02-23	Using Adobe Bridge
16	24-02-23	Basic Photo Correction
17	25-02-23	Retouching and Repairing
18	27-02-23	Working with Selections
19	28-02-23	Layer Basics
20	01-03-23	Masks and Channels
21	02-03-23	Correcting and Enhancing Photographs
22	03-03-23	Typographic Design
23	04-03-23	Vector Drawing Techniques
24	06-03-23	Advanced Layer Techniques
25	07-03-23	Vector Compositing
26	09-03-23	Creating Links within an Image
27	10-03-23	Creating Rollover Web Visuals
28	13-03-23	Animating GIF Images for the Web
29	14-03-23	Producing and Printing Consistent Color
30	15-03-23	Assessment
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Prescribed Text Book

Mastering Photoshop by Khanna Publications, 2015

Signature of the Coordinator

Course Structure &Syllabus

DRJECTIVES

Learn the fundamentals of Adobe Photoshop, including its interface, basic tools and features. Develop advanced techniques such as photo editing, color correction and compositing. Understand how to work with layers and masks to create complex graphics and designs.

COURSE OUTCOMES

After Successful Completion of Value-added Course

1.Student will be able to understand the fundamentals of Adobe Photoshop and how to navigate the interface.

 Student will be able to develop proficiency in using basic and advanced tools and features to manipulate images and graphics.

3.Student will be able to improve their career prospects by acquiring a valuable skill set that is high demand in the creative industry.

UNIT - I (10hrs)

Introduction, Navigation and Fundamental features of Photoshop UNIT - II (10hrs)

Basic Photo Corrections, Making Selection in Photoshop

UNIT - III (10hrs)

Color option of Photoshop, Layering Image in Photoshop



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous ,NAAC B) KAKINADA

DEPARTMENT OF MANAGEMENT STUDEIS
Offering

A FOUR WEEK

VALUE ADDED COURSE

VALUE ADDED COURSE
ON
"PHOTOSHOP"



Resource Person

Sri.V.Kama Raju
Assistant Professor of Management Studies
IDEAL COLLEGE OF ARTS AND SCIENCE
KAKINADA

Co-Ordinator

Sri.E.Srinivasa Rao

HOD, Management Studies

IDEAL COLLEGE OF ARTS AND SCIENCE

KAKINADA

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), (akinada was established as Junior College in 1970 and inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of ndia

Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of ntellectuals, Educationists and patriots like Dr Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, he former Prime Minister of India, Dr P. V.N. Raju, Dr P. ChiranjeeviniKumari, Dr N. S. R. Sastry and others.

The College was formed by the Education ociety, Kakinada through the education policy dopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. ChiranjeeviniKumari a renowned educationist, scholar and famous writer in Telugu Literature inder whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College ampaigned throughout the entire district and reated awareness among the parents and tudents for the immediate necessity of a coducation Degree College in Kakinada with upport from the government. As a result, the deal Degree College was established and the College now caters to the educational needs of routh around 25 Villages including the town Kakinada. Subsequently, Ideal Degree College vas renamed as Ideal College of Arts & Sciences, (akinada. The Ideal College of Arts and Sciences vas established in 1974 with spacious buildings and land of about 14 acres running in two ampuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

ABOUT THE DEPARTMENT

The Department of Management Studies is privileged to build, train and develop future Managers and Entrepreneurs who can contribute to the success of businesses and national wealth. The department is glad to walk an extra mile to enrich our students with wide range of employability skills with the support of a specialized team of in-house & external trainels.

Registration Form

Name:_____

Roll No:

Class:

Address For Correspondence:_____

ABOUT THE COURSE

Photoshop is a technique for digitally improving the quality of your original photographs. It is essentially the best image editing application for picture editing, creation and graphic design. It is a creative and effective tool utilized by many artists, web designers, VFX artists

Mobile No:_____

E-Mail:

+

Signature



IDEAL COLLEGE OF ARTS AND SCIENCES KAKINADA

Department of Management Studies Value Added Course 2022-2023 List of Students

S.NO	ROLL NUMBER	STUDENT NAME	SIGNATURE
1	2220405001	ADABALA SRI VENKATA SURYA SHASHANK	,
2	2220405004	BALLA YAJNA	A.S.V.S.Shoshow
3	2220405006	CHINTA KAMESH	Balla yajra.
4	2220405007	DANDUPROLU PRAMEELA	chinta kamesh
5	2220405009	DILSHA EDAVAN KOROTH	Danduprolu prameela
6	2220405010	DODDI HARIKA	Wilsha Edavar Kilol
7	2220405011	DWIBHASHYAM SRI BALA TRIPURA SUNDARI	D.s.B.T.sundari
8	2220405012	GARAGA NAGARAJU	Gi-Nobolu
9	2220405015	GUJJU SRIVALLI	
10	2220405016	KAMUJU ROHIT SRINU KUMAR	GI. STLIVALLI Kamuju Robit sxineuxum
11	2220405017	KARAM PAVAN KUMAR DORA	TOTAL DOWN
12	2220405018	KOTI CHETAN LLOYD YUVARAJ	
13	2220405019	LANKE KARTHIK	R. C. L. YUNARA
14	2220405020	MATHAM LOKESH KUMAR	L. Karthik
15	2220405021	MODUKURI TRIVENI DURGA	M. lokesh Kumar
16	2220405022	MURADA TONY	M. Triveni Duoga
17	2220405023	NAMA CHANDRA SEKHAR	71. 10141
18	2220405026	NOKKU ANIL KUMAR	N.C. SEKAR.
19	2220405027	RAYUDU ROHIT VEERA SAI KUMAR	D. Vanna a dima
20	2220405028	RIKKA CHAYA PRIYA	R. Verza Sai Kumo
21	2220405029	SUKAPATLA NANI	y martiny
22	2220405031	VANAPALLI ADI LAKSHMI	3. Nam.
23	2220405033	VIJJAPUREDDY VEERA VENKATA DEEPAK	V. A. LAKSmi

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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) KAKINADA

VALUE-ADDED COURSE REPORT

A Four-week Value-Added Course on

"Photoshop"

Organized by Department of Management Studies

(February 2023 - March 2023)

Resource Person:

Sri. V. Kama Raju

Assistant Professor of Management Studies

Ideal College of Arts & Sciences

Email: raju4290@gmail.com Contact Number: 94928 28230

Coordinator

Sri E. Srinivasa Rao

H.O.D Management Studies,

Ideal College of Arts & Sciences(A), Kakinada

Email: hodbba@idealcollege.edu.in

Contact Number: 9032792627

OBJECTIVES:

Learn the fundamentals of Adobe Photoshop, including its interface, basic tools and features.

Develop advanced techniques such as photo editing, color correction and compositing.

Understand how to work with layers and masks to create complex graphics and designs.

Topics Covered:

UNIT-I

Introduction, Navigation and Fundamental features of Photoshop

UNIT-II

Basic Photo Corrections, Making Selection in Photoshop

UNIT - III

Color option of Photoshop, Layering Image in Photoshop

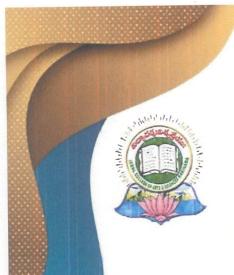
Outcome of the Course:

After Successful Completion of Value-added Course

- 1. Student will be able to understand the fundamentals of Adobe Photoshop and how to navigate the interface.
- 2. Student will be able to develop proficiency in using basic and advanced tools and features to manipulate images and graphics.
- 3. Student will be able to improve their career prospects by acquiring a valuable skill set that is high demand in the creative industry.

Number of Participants: 22 Members

Signature of the Coordinator



IDEAL COLLEGE OF ARTS AND SCIENCES (AUTONOMOUS, NAAC B) KAKINADA

DEPARTMENT OF MANAGEMENT STUDIES

This is to certify that Dr./Ms./Mr./Mrs.

from.....

has completed of Four week Value-added Course on

"PHOTOSHOP"

Conducted by the Department of Management Studies, Ideal college of Arts & Sciences (A), Kakinada, from February 2023 to March 2023

V. KAMA RAJU

RESOURCE PERSON

E. SRINIVASA RAO

COORDINATOR

T-Salinarmene

T.SATYANARAYANA

PRINCIPAL
Principal
Avail College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS AND SCIENCE (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

NOTICE

Dt: 05.03.2023

All the II B. Com Students are here by informed that Department of Commerce is conducting A Six-Week Value added course on "Financial Services" from March 2023 to April 2023.

Interested candidates are requested to egister their names with Sri V. Nageswara Rao, HOD, Commerce and Course coordinator on or before 13.03.2023.

PRINCIPAL
Principal
Ideal College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS AND SCIENCES Autonomous & NAAC B Dr.P.V.N.RAJU VIDYA PRANGANAM SamalkotRoad,KAKINADA

A Six Week Value Added Course on "Financial Services"

DayWiseCourseSchedule

S.N0	Date	Торіс
1	14-03-2023	Introduction to financial services
2	15-03-2023	Role of Financial Services
3	16-03-2023	Banking and Non Banking companies
4	17-03-2023	Activities of Non Banking Finance Companies
5	18-03-2023	Fund Based Activities
6	19-03-2023	Free Based Activities
7	20-03-2023	Scope of merchant banking services
8	21-03-2023	importance of merchant banking services
9	22-03-2023	Venture capital
10	23-03-2023	Securitization
11	24-03-2023	Demat Services
12	25-03-2023	Commercial Paper
13	27-03-2023	Introduction to lease, Types of Lease
14	28-03-2023	Documentation and Legal aspects
15	29-03-2023	Fixation of Rentals and Evaluation
16	30-03-2023	Hire Purchasing
17	31-03-2023	Securitization of debts
18	01-04-2023	House Finance
19	04-04-2023	Introduction to Credit Rating
20	06-04-2023	Types of Credit Rating Symbols
21	07-04-2023	CRISIL and CARE
22	10-04-2023	Equity Assessment
23	11-04-2023	Equity Assessment vs. Grading
24	12-04-2023	Mutual funds.
25	13-04-2023	Student seminars
26	15-04-2023	Student seminars
27	17-04-2023	PPT from students
28	18-04-2023	PPT from students
29	19-04-2023	Quiz
30	20-04-2023	Assignment

V. Nom Signature of the Coordinator

Course Structure & Syllabus

30 hrs

Objectives:

To understand role of Financial Services in Business organizations and to give an insight into the strategic, Regulatory, operating and managerial issues concerning select financial services. Examine the present statue and Fintech development that are taking place in the financial services sector. Course Outcomes:

Develop the skills to understand the relationship among different variables. Develop the skills to calculate simple and compound interest.

Understanding the relevance of the concept of inflation and cost of living.

UNIT – I Financial Services (6 Hours)

Role of Financial Services – Banking and Non Banking companies – Activities of Non Banking Finance Companies – Fund Based Activities – Free Based Activities.

UNIT – II Merchant Banking Services: (6 Hours)

Scope and importance of merchant banking services – Venture capital – Securitization – Demat Services – Commercial Paper

UNIT - III Leasing and Hire - Purchase: (6 Hours)

Types of Lease, Documentation and Legal aspects – Fixation of Rentals and Evaluation – Hire Purchasing – Securitization of debts – House Finance.

UNIT – IV Credit Rating: (6 Hours)

Purpose – Types – Credit Rating Symbols – Agencies: CRISIL and CARE – Equity Assessment vs. Grading – Mutual funds.

O-Curricular Activities
Seminar/Quiz/Assignment/ practice.

Prescribed Text Book:

- 1. B. Santhana, Financial Services, Margham Publication, Chennai.
- 2. M.Y. Khan, Financial Services, Tata Mc Graw-Hill, New Delhi.
- 3. Machendra Raja, Financial Services, S.Chand Publishers, New Delhi.



SCIENCES (Autonomous & NAAC B)

DEPARTMENT OF OFFERING

A SIX WEEK VALUE ADDED COURSE

ON

"FINANCIAL SERVICES"

(MARCH 2022 TO APRIL 2023)

Resource Person

Smt. V.R.A. Lakshmi
Assistant Professor of
Commerce
Ideal College of Arts and
Sciences(A), Kakinada

Coordinator

Sri V. Nageswara Rao HOD, Commerce Ideal College of Arts and Sciences(A), Kakinada

Certificates will be provided on successful completion of the course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr. P. V.N. Raju, Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of co-education Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

About the Department

The Department of Commerce aims at providing a complete academic and professional Environment to the students. The Department offers an opportunity to students to develop an attitude of objective inquiry and encourages them to take advantage of their exposure to a variety of courses offered that provide a rich environment for learning.

About the Course

The Financial Services course is a multidisciplinary Programme which includes financial theory, engineering methods, mathematics tools and programming practice. The curriculum is career-oriented in nature which creates several prospects in different disciplines, such as banking.

REGISTRATION FORM

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IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

Dr. P.V.N. RAJU VIDYA PRANGANAM Samalkot Road, KAKINADA

VALUE-ADDED COURSE REPORT

A Six-week Value-Added Course on Financial Services
Organized by Department of Commerce

(March 2022 – April 2023)

Resource Person:

Smt. V.R.A. Lakshmi

Assistant Professor of Commerce Ideal College of Arts & Sciences

(A), Kakinada

Email:lakshmivra2498@gmail.com

Contact Number: 7989856633

Coordinator

Sri V. Nageswara Rao

H.O.D Commerce

Ideal College of Arts & Sciences(A), Kakinada

Email: <u>vnrcomm@gmail.com</u> Contact Number: 9849390413

Objective:

To understand role of Financial Services in Business organizations and to give an insight into the strategic, Regulatory, operating and managerial issues concerning select financial services. Examine the present statue and Fintech development that are taking place in the financial services sector.

Course out comes:

- > Develop the skills to understand the relationship among different variables.
- > Develop the skills to calculate simple and compound interest.
- > Understanding the relevance of the concept of inflation and cost of living.

Topics Covered:

30 Hours

UNIT – I Financial Services (6 Hours)

Role of Financial Services – Banking and Non Banking companies – Activities of Non Banking Finance Companies – Fund Based Activities – Free Based Activities.

UNIT - II Merchant Banking Services: (6 Hours)

Scope and importance of merchant banking services – Venture capital – Securitization – Demat Services – Commercial Paper

UNIT – III Leasing and Hire – Purchase: (6 Hours)

Types of Lease, Documentation and Legal aspects – Fixation of Rentals and Evaluation – Hire Purchasing – Securitization of debts – House Finance.

UNIT – IV Credit Rating: (6 Hours)

Purpose – Types – Credit Rating Symbols – Agencies: CRISIL and CARE – Equity Assessment vs. Grading – Mutual funds.

Co-Curricular Activities (6 Hours)

Seminar/ Quiz /Assignment

Prescribed Text Book:

- 1. B. Santhana, Financial Services, Margham Publication, Chennai.
- 2. M.Y. Khan, Financial Services, Tata Mc Graw-Hill, New Delhi.
- 3. Machendra Raja, Financial Services, S.Chand Publishers, New Delhi.

Student Activities:

- 1. Power point activity for students.
- 2. Debate / Class room seminars

Number of Participates: 60 Members

Signature of the coordinator



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

DEPARTMENT OF COMMERCE

CERTIFICATE

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inis is to cer	tily that Mr./Ms./Mrs
From	has completed Six week value added course on
"Financial Servic	es" conducted by the Department of Commerce, Ideal College
of Arts and Scien	ce(A), Kakinada, from March 2023 to April 2023.

Smt. V.R.A. Lakshmi rce Person

V. Nageswara Rao Co-ordinator

Dr. T. Satyanarayana Principal
Principal
Ollege of Arts & Sciences (A)

KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)
Dr. P.V.N. RAJU
VIDYAPRANGANAMKAKINADA

NOTICE

Dt: 16.03.2023

All the 2nd B.Sc. students are here by informed that Department of Food Science and technology conducting A Two week value added course on Food Quality and Analysis from March 2023 to April 2023.

Interested candidates are register their names with Sri P.Mounika H O D of Food Science and Technology Course coordinator on or before 22.03.2023.

PRINCIPAL

Principal

Ideal College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS & SCIENCES: KAKINADA

(Autonomous & NAAC B)

B.Sc. Food Science and Technology FOOD QUALITY AND ANALYSIS

Day wise course schedule

Day	Topic	Date
1	Introduction to food quality: Definition, quality	23-03-2023
	concepts.	25 *05-2025
2	Quality attributes (Appearance,	24-03-2023
	Flavour, textural factors and additional quality factors)	
3	Sensory quality parameters -Size and shape, texture, aroma, taste.	25-03-2023
4	Discrimination, descriptive tests of sensory evaluation	27-03-2023
5	Assignment	28-03-2023
6	Introduction to chemical analysis of moisture and protein	29-03-2023
7	Determination of Moisture by oven drying methods	31-03-2023
8	Determination of Protein by Kjeldhal method.	01-04-2023
9	Student seminar	03-04-2023
10	Introduction to chemical analysis of fat and minerals	04-04-2023
11	Determination of Fat by Soxhlet method	06-04-2023
12	Determination of Fat in milk by Gerber method	08-04-2023
13	Determination of ash content by using of muffle furnace	10-04-2023
14	Assignment	11-04-2023

Prescribed text book:

Food safety and quality management - Ronald F. Cichy JaeMin Cha

Fluu Signature of the coordinator:

IDEAL COLLEGE OF ARTS AND SCIENCES

(AUTONOMOUS & NAAC B)

DR. P.V.N. RAJU VIDYAPRANGANAM, KAKINADA

FOOD QUALITY AND ANALYSIS

Syllabus

Credits

Objectives:

- To learn about physical and chemical contaminants in foods.
- To understand different sampling techniques employed in chemical analysis of foods.
- To know about quantitative analysis of Food sample

UNIT I: INTRODUCTION TO FOOD QUALITY

Introduction to food quality: Definition, quality concepts, Quality attributes (Appearance,

Flavour, textural factors and additional quality factors), Sensory quality parameters -Size and shape, texture, aroma, taste. Discrimination, descriptive tests of sensory evaluation

UNIT II

CHEMICAL ANALYSIS OF MOISTURE, CARBOHYDRATES AND PROTEIN

Moisture assay – oven drying methods, Carbohydrate- starch, and crude fibre. Protein- Kjeldhal method.

UNIT III CHEMICAL ANALYSIS OF FAT AND MINERALS

Fat- Soxhlet method, Gerber method. Analysis of vitamin C.

Estimation of minerals by ashing - dry, wet and low temperature plasma ashing.

Objectives:

- To learn about physical and chemical contaminants in foods.
- To understand different sampling techniques employed in chemical analysis of foods.
- To know about quantitative analysis of Food sample

UNIT I: INTRODUCTION TO FOOD QUALITY

Introduction to food quality: Definition, quality concepts, Quality attributes (Appearance, Flavour, textural factors and additional quality factors), Sensory quality parameters -Size and shape, texture, aroma, taste. Discrimination, descriptive tests of sensory evaluation.

UNIT II

CHEMICAL ANALYSIS OF

MOISTURE CARBOHYDRATES AND PROTEIN

Moisture assay – oven drying methods, Carbohydrate- starch, and crude fibre. Protein- Kjeldhal method.

UNIT III CHEMICAL ANALYSIS OF FAT AND MINERALS

Fat- Soxhlet method, Gerber method. Analysis of vitamin C. Estimation of minerals by ashing - dry, wet and low temperature plasma ashing.



DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY OFFERING

A Two week value added course

Value added course on Food Quality Management

Resourse person

coordinator

Mr. I. Vinod Kumar

Sri. P. Mounika

Assistant professor of

HOD of

Food science and Technology Food science and Technology

Certificate will be provided on successful completion of course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr.Col.D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India. Dr. P. V .N. Raju. Dr. P. Chiranjeevini Kumari, Dr. N. S. R. Sastry and others. The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr.P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. Chiranjeevini Kumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year.

The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of coeducation Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was

established and the College now eaters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

ABOUT THE DEPARTMENT

The department of Food science and technology was established since the inception of the college. The faculty members of the department are well experienced in teaching. The Department has a Food Engineering lab equipped with Food processing equipment's for Practical's as per U.G.C. Guide lines. The department is maintaining a departmental library with the books of staff members, specimen copies for the ready reference to students to tackle problems in different methods in practical sessions.

ABOUT THE COURSE

The concept of food quality is not totally new. Food Laws in some form existed as religious tenants or prohibitions. They were inherent in all ancient civilizations and have come down to us from early times. Food quality and analysis provides knowledge about key food safety issues, including the food safety hazards, their methods of detection and the key food quality properties. The course will also deal with the, sampling methods, and tools to conduct statistical analysis.

Registration form

Student:	
Roll No:	
Class:	
Address for correspondence:	
Mobile No:	
Email:	

IDEAL COLLEGE OF ARTS AND SCIENCES, Kakinada Department of Food Science and Technology Value added course – 2022-2023

List of Students

S.No	I.D Number	Name of the Student	Signature
1	2210402701	AITHABATHULA SURYA VAMSI	A. Swya Unky
2	2210402702	ALLIPALLI MOUNIKA	A. MOUPIKA
3	2210402703	BALLA PRATHIBHA	B. Pauthibha
4	2210402704	BANDARU INDIRA	3. Indira
5	2210402705	BOLEM UMADEVI	13. UHADEVI
6	2210402706	DAMMALA SUJATHA	D. Suratha
7	2210402707	DEEVI B S S D MANOHAR PAVAN KUMAR	D.B.SS. D.M
			P. Gurnal
8	2210402708	Eeli Prabhakar	Eele probhatar
9	2210402709	GARAGA LAKSHMAN	Gr. lakshamo
10	2210402710	GEDDADA PURNA SAI VARDHAN	Cr. PS: Vosdlag
11	2210402711	KANCHUMARTHI SATYA JYOTHI	K Satya Typothi.
12	2210402712	KANNATI VENKANNA	K. Venkann
13	2210402713	KOKA SAI TANUJ	K. Sat Tanys
14	2210402714	MOHAMMED NAADIYA	M Naasiya
15	2210402715	MOTUKURI VISHNU MURTY	MOTUKWY VISHIN
16	2210402716	MUDAVATH KIRAN BABU NAIK	M. K. Rata Jack
17	2210402717	MUPPIDI CHANDINI	M. Cheurolli
18	2210402718	MUPPIDI DURGACHARAN	11. Durgacharar
19	2210402719	NAKKA LITHIN VENKAT SAI KIRAN	N.L. Van KAT SA
20	2210402720	NALLI PREETHI LAHARI	N. Breith Clothari
21	2210402721	PAKALAPATI HEMADARA PRABASH	P. PRABASH
22	2210402722	PATTA SATYA SAI SRI HARSHITH	P.SSS Howaith
23	2210402723	PILLI CHANDRA SEKHAR	P. chancha sheka

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24	2210402724	PINAPOTHU VASAVI DHANA LAKSHMI	P.V. Lakshur
25	2210402725	RAYUDU KARTHIKEYA	R. Knothikana
26	2210402726	RAYUDU SRI SESHA DURGA RAKESH	T. GIANESH BURN
27	2210402727	THOTAKURA GANESH BABU	T. Saruh Bala
28	2210402728	VAKADA GANGA MAHA LAKSHMI	V. gara mala Jakenn
29	2210402729	VASAMSETTY MANIKANTA	V. Marillato
30	2210402730	VEMA VENKATA JANAKIRAM	V. VENKTA JUDKIRAM
31	2210402731	VEMAGIRI NIVAS KALYAN	V.N. Kalyan
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S. No.	ROLL NUMBER	NAME OF CANDIDATE
1	1058040168	A. SURYA YAMSI
2	2010403702	A. MOUNIKA
.3	रकार प्रथम व्यव	B. PRATHIBHA
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10	2210402710	G.P.S. VARDAN
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	2210 40 8715	M · KIZHAN MUBAA
16	शहर के वाहर	M. KIRAN BABU NAYAK
17	2210 40 2717	M. CHANDINI
18	22 10 40 1718	M. DURGA CHARAN
19	2810 40 2719	N. LITHIN
20	22 10 402720	N. PREETHI LAHARI
41	2210 402721	P. PRABHAS
ವಿಭಿ	22 10 40 2722	P. HARSHITH
23	22 10 401713	P. CHANDRA SHEKAR
24	D2 10 400724	P. VASAVI DHANA LAKSHMI
25	2210402725	R. KARTHIKEYA
36	वर १० ५०२ मध्य	R. RAKESH
27	इक्ष्म वा अह	T. GAUESH BABU
\$8	2210 402728	V. GANGA MAHALAKSHMI
39	22 10 402729	y. MANIKANTA
30	22 10 40 27 30	V. VENKAT JANA KIRAM
31	22 10 40 A731	V . HIVAS KALYAH
32	28 10402732	Y. VENKAT SALTEJA
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IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B) KAKINADA

VALUE-ADDED COURSE REPORT

A Two-week Value-Added Course on "Food Quality and Analysis"

Organized by Department of Food Science and Technology (March 2023 – April 2023)

Resource Person:

Mr. I. Vinod kumar,

Assistant Professor of Food science and Technology

Ideal College of Arts & Sciences (A),

Kakinada Email.

Vinodkumarfsn@idealcollege.edu.in

Contact Number: 7093377101

Coordinator

Sri. P. Mounika,

H.O.D Food Science and Technology Ideal College of Arts & Sciences (A),

Kakinada

Email.

mounikafst@idealcollege.edu.in Contact Number: 9494623797

Objective:

- To learn about physical and chemical contaminants in foods.
- To understand different sampling techniques employed in chemical analysis of foods.
- To know about quantitative analysis of Food sample

UNIT I: INTRODUCTION TO FOOD QUALITY

Introduction to food quality: Definition, quality concepts, Quality attributes (Appearance,

Flavour, textural factors and additional quality factors), Sensory quality parameters -Size and shape, texture, aroma, taste. Discrimination, descriptive tests of sensory evaluation

UNIT II

CHEMICAL ANALYSIS OF MOISTURE, CARBOHYDRATES AND PROTEIN

Moisture assay – oven drying methods, Carbohydrate- starch, and crude fibre. Protein- Kjeldhal method.

UNIT III CHEMICAL ANALYSIS OF FAT AND MINERALS

Fat- Soxhlet method, Gerber method. Analysis of vitamin C.

Estimation of minerals by ashing - dry, wet and low temperature plasma ashing.

Outcome of the course:

After successful completion of value added course, students will be able:

- 1. To understand and identify Food hazards, Adulteration and traceability.
- 2. To understand different sensory evaluation techniques.
- 3. To understand how to perform quantitative and qualitative analysis of food samples

Number of participants: 32

F. Mull Signature of the coordinator:



IDEAL COLLEGE OF ARTS & SCIENCES

(AUTONOMOUS, NAAC B) KAKINADA

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

This is to Certify that Dr./Ms./Mrs
Added Course on "Food Quality and Analysis" Conducted by the Department of Food
Science and Technology Ideal College of Arts &sciences (A), KAKINADA from
March 2023 to April 2023

I. Vinod Kumar

Resource Person

Ms. P. Mounika

coordinator

Dr. T. Satyanarayana

Principal
Principal allege of Arts & Sciences (A)
KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B)

DR. P.V.N. RAJU VIDYAPRANGANAM

Samalkot Road, KAKINADA

NOTICE

Dt.18.03.2023

All the I year students are hereby informed that Department of Telugu is conducting A Five – week value added course on "భారతీయ భాషలు" from , April, 2023 to May, 2023.

Interested candidates are to register their names with Sri P.Gopi, HOD Telugu and Course Coordinator on or before 27.03.2023.

PRINCIPAL
Principal
ideal College of Arts & Sciences (A)

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous, NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA

DEPARTMENT OF TELUGU

Value added Course for the year 2022-2023

భారతీయ భాషలు (భారతీయ భాషా కుటుంబాలు) Day Wise Course Schedule

S.No	Date	Topic
1	31.03.2023	భాషలు – పరిచయం
2	01.04.2023	భాషలు – వర్గీకరణ
3	03.04.2023	(ప్రపంచ భాషలు – 10 కుటుంబాలు
4	04.04.2023	భాషలు – కుటుంబం
5	06.04.2023	భాషలు – ఉపకుటుంబాలు
6	10.04.2023	భాషలు – శాఖలు
7	11.04.2023	భాషలు – ఉపశాఖలు
8	12.04.2023	భాషలు – వర్గం
9	13.04.2023	భాషలు – ఉపవర్గం
10	15.04.2023	భాషలు – ఆధానాలు, ప్రధానాలు
11	07.04.2023	మాండలికాలు
12	18.04.2023	భారతదేశంలో – భాషాకుటుంబాలు

13	19.04.2023	ఇండో యూరోపియన్ భాషా కుటుంబం
14	20.04.2023	ద్రావిడ భాషా కుటుంబం
15	21.04.2023	సినో - టిబెటన్ భాషాకుటుంబం
16	24.04.2023	ఆస్ట్లో – ఏసియాటిక్ భాషాకుటుంబం
17	25.04.2023	ఉతర ద్రావిడ భాషలు
18	26.04.2023	మద్య ద్రావిడ భాషలు
19	27.04.2023	దక్షిణ ద్రావిడ భాషలు
20	28.04.2023	(దావిడ భాషలు – తెలుగు
21	29.04.2023	ద్రావిడ భాషలు – తమిళం
22	01.05.2023	ద్రావిడ భాషలు – మళయాకం
23	02.05.2023	మద్య ద్రావిడ భాష – కన్నడము
24	03.05,2023	మద్య ద్రావిడ భాష – తెలుగు
25	04.05.2023	మద్య ద్రావిడ భాష – తుళు
26	05.05.2023	మద్య ద్రావిడ భాష – కోయి
27	06.05.2023	మద్య ద్రావిడ భాష – పర్జి
28	08.05.2023	మద్య ద్రావిడ భాష – గదబ
29	09.05.2023	సెమినార్
30	10.05.2023	సమీక్ష

Signature of the Coordinator

Course Structure & Syllabus

లక్ష్యాలు :

- భారతీయ భాషలు చరిత్రను విద్యార్ధులకు తెలియబరచడం.
 భారతీయ భాషలు ఎంతటి ప్రాచీనమైనవో తెలిసుకోగలరు,
- 3. ప్రపంచంలోని భారతీయ భాషల ఔన్నత్యం విద్యార్ధులకు వివరించుట.

అభ్యాసనా ఫలితాలు :

- 1. ఈ కోర్పు వలన విద్యార్ధులకు భారతీయ భాషల పట్ల అవగాహన ఏర్పడుతుంది.
- 2. భారతదేశ ఔన్నత్యం తెలుసుకోవచ్చును.
- 3. మన భాషపై మంచి పట్టు సంపాదించి తమ నైపుణ్యాలను పెంపొందించుకోగలరు.

యూనిట్ - 1

- 1.0 భాష భారతీయ భాషలు
- 1.1 అదికార భాషలు

యూనిట్ - 2

- 1.0 ఇండో ఆర్యన్ భాషా కుటుంబం
- 1.1 దావిడ భాషా కుటుంబం

యూనిట్ - 3

- ఆస్ట్ర్ట్ ఏసియాటిక్ భాషా కుటుంబం
- 1.1 టిబెట్ భాషా కుటుంబం
- 1.2 బర్మన్ భాషా కుటుంబం

IDEAL COLLEGE OF ARTS & SCIENCES (Autonomous & NAAC B) Dr. P.V.N.RAJU VIDYA PRANGANAM KAKINADA

DEPARTMENT OF TELUGU OFFERING

A FOUR WEEK VALUE ADDED COURSE

భారతీయ భాషలు

(ఏట్రిమీయల్, 2023 – మే, 2023)

కొ –ఆర్ధినటర్	రసార్పు పర్సన
బి.ఎస్.ఆర్.కృష్ణ	త్రీ పి.గోపి
తెలుగు అధ్యాపకులు	తెలుగు శాఖాధ్యక్షులు
ఐడియల్ కళాశాల	ఐదీయల్ కళాశాల

Certificates will be provided on successful completion of the course

About the Institution:

The Ideal College of Arts and Sciences(A), Kakinada was establihed as Junior College in 1970 Inaugurated by the then Chief Minister of Andha Pradesh and former Prime Minister of India Sri P.V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr. Col. D.S.Raju, a close associate of Netaji Subhash Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr.P.V.N.Raju, Dr.P.Chiranjeevini Kumari, Dr. N.S.R.Sastry and others.

The College was formed by the Education Society, Kakinada through the Education Policy adopted by the State Government under the Chairmanship of Dr.P.V.N.Raju. The Secretary and Correspondent of the College is Dr.P.Chiranjeevini Kumari a renowned educationist, Scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The Governing Body members of the College campaigned the entire District and created awareness among the parents and students for the immediate necessity of Co-education Degree College in Kakinada with the support from the Government. As a result the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degeee College was renamed as Ideal College of Arts and Scieces, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

About the Department:

తెలుగు విభాగం 1974 నుండి నిరవధికంగా కొనసాగుతుంది. ఎందరో ఉద్దండులు తెలుగు భాషాశాఖలో నిబద్ధతతో పనిచేసారు. తెలుగు శాఖకు ఎంతో గౌరవం ప్రతిష్ఠలు సమకూర్చారు. అదే పరంపర నేటికీ కొనసాగుతుంది. కళాశాల అన్ని కార్యక్రమాలలో ఎప్పుడు ముందుంటు కార్యక్రమాలను జయద్రుదం చేస్తుంది. విద్యార్ధులకు వ్యాసరచన, కవిత్వ రచన, పాటలు, సంగీతం వంటి కార్యక్రమాలలో ప్రాతృహిస్తుంది. తెలుగు శాఖకు అన్ని వసతులు ఉన్నాయి. మంచి గ్రంథాలయం, గోడప్రతులు, ఛాయాచిత్రాలు, ఆధునిక, సాంకేతిక పరికరాలు మొదలయిన అన్ని వసతులతో తెలుగు శాఖ కొనసాగుతుంది.

About the Course:

E-Mail

భారతీయ భాషలు చరిత్రను విద్యార్థులకు తెలియబరచడం. భారతీయ భాషలు ఎంతటి ప్రాచీనమైనవో తెలిసుకోగలరు. ప్రపంచంలోని భారతీయ భాషల ఔన్నత్యం విద్యార్ధులకు వివరించుట. ఈ కోర్సు వలన విద్యార్ధులకు భారతీయ భాషల పట్ల అవగాహన ఏర్పడుతుంది. భారతదేశ ఔన్నత్యం తెలుసుకోవచ్చును. మన భాషపై మంచి పట్టు సంపాదించి తమ నైపుణ్యాలను పెంపొందించుకోగలరు.

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Correspondence	:			
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IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous, NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM SAMALKOT ROAD, KAKINADA DEPARTMENT OF TELUGU

Value added Course for the year 2022-2023

S.No	Roll Number	Name of the Student	Signature
1.	2220402002	B. Gangadhar	R.C.
2.	2220402201	M. Aravind	B. Cargodhar
3.	2220402203	E. Bhargavi	m Aravind
4.	2220402210	R. Kiran Kumar	E. Bhangari
5.	2220402215	K. Manikanta	R. Kiran Koman
6	2220402216	P. Manikanta Swamy	K. manikanto
7.	2220402221	T. Prasanth	P. Manikanta Summ
8.	2220402226	P. Sai Deepika	P. Prosauth
9.	2220402229	S. Satya Manikanta	P. Sai Deepika
10.	2220402230	R. Sri Devi	S. Satyonomb
11.	2220402233	M.T.V.S. Swaroop	Sur DEN
12.	2220402403	K. Durga Nagalaxmi	~ iT.v.s.
13.	2220402409	Ch. Pushpa Sai Mounika	K. D. Naga lakshmi
14.	2220402413	B. Srinivas	eh.p. s. mounita
15.	2220402415	V. Sri Ram	Bisnipives
	2220402418		V. Soukarn
15	2220402421	S. Veera Babu	Sveera Babu
1.0		N. Pravallika	N. pnavallika
10	2220402423	S. Manikanta Kumar	
19.	2220402501	K. Bhavani	5, Man Karta Keno K. Bhavani

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20.	2220402505	D.L.N.S. Narayana	
21.	2220402510	K. Tejaswi	k. Tejaswi
22.	2220403202	P. Akshaya	P.AKShayo
23.	2220403205	V. Anusha	V. Anushas
24.	2220403207	G. Devika	G. Devika
25.	2220403237	K. Sri Laxmi Mounika	tiEs latin mon
26.	2220401008	M. Divya Santhosi	m. Divya Souther
27.	2220401012	P. Keerthi	P. Keerthi
28.	2220401016	V. Nikitha	v. vikitha
29.	2220401017	P. Padmavathi	Ppadmarathi
30.	2220401018	K. Priyanka	K. Poiyanka
31.	2220401033	S. Vivek Rama Chandra	S. Vivet Pan
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ఉపార్యాయుని పంఠకం.



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

VALUE ADDED COURSE REPORT

A four week Value-added Course on "భారతీయ భాషలు" organized by

తెలుగు విభాగం

(ఏట్రియల్, 2023 – మే, 2023)

Resource Person

Sri B.S.R.Krishna,

Lecturer in Telugu

Ideal College of Arts and Sciences(A),

Kakinada

Coordinator

Sri P.Gopi

HOD, Telugu

Ideal College of Arts and Sciences(A),

Kakinada

- భారతీయ భాషలు చరిత్రను విద్యార్ధులకు తెలియబరచడం.
- భారతీయ భాషలు ఎంతటి ప్రాచీనమైనవో తెలుసుకోగలరు.
- (ప్రపంచంలోని భారతీయ భాషల జౌనత్యం విద్యార్ధులకు వివరించుట.

Topics Covered:

యూనిట్ – 1

- 1.0 భాష భారతీయ భాషలు
- 1.1 అధికార భాషలు
- 1.2 భారతీయ భాషలు వర్గీకరణ

యూనిట్ – 2

- 1.0 ఇండో ఆర్యన్ భాషా కుటుంబం
- 1.1. ద్రావిడ భాషా కుటుంబం

<u>యూనిట్ –</u> 3

- 1.0 అస్ట్రో ఏసియాటిక్ భాషా కుటుంబం
- 1.1 టిబెట్ భాషా కుటుంబం
- 1.2 బర్మన్ భాషా కుటుంబం

అభ్యాసనా ఫలితాలు :

- ఈ కోర్సు వలన విద్యార్ధులకు భారతీయ భాషల పట్ల అవగాహన ఏర్పడుతుంది. దాని ద్వారా మాతృ భాషల
 గౌప్పదనం తెలుస్తుంది.
- భారతదేశ జౌనత్యం తెలుసుకోవచ్చును.
- మన భాషపై మంచి పట్టు సంపాదించి తమ నైపుణ్యాలను పెంపొందించుకోవలెను.

విద్యార్ధుల సంఖ్య - 30

Signature of the Coordinator



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

DEPARTMENT OF TELUGU

CERTIFICATE

This is	s to certify that Mr./Ms./Mrs	
From	has completed four week value added course on	14
"Bharathe	ya Bhashalu" conducted by the department of Telugu, Ideal college	e of
Arts and S	cience(A), Kakinada, from April 2023 to May 2023.	

Resource Person

Sri B.S.R. Krishna

Coordinator

Sri P. Gopi

Salenceman Principal

Dr. T. Satyanarayana
Principal
ideal College of Arts & Sciences (A)
KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAMKAKINADA

NOTICE

Dt: 15.03.2023

All the 2nd B.Sc. students are here by informed that Department of Artificial Intelligence and Robotics conducting A four-week value added course on Embedded C from 1-04-2023 to 30-04-2023

Interested candidates are register their names with Sri P. Satya Jyothi (Asst Prof., of mathematics) Course coordinator on or before 30.03.2022.

PRINCIPAL
Principal
:eal College of Arts & Sciences (A)
KAKINADA

IDEAL COLLÈGE OF ARTS & SCIÈNCES: KAKINADA

(Autonomous & NAACB)

B.Sc. Artificial Intelligence and Robotics Embedded C

Day wise course schedule

Day	Topic	Date
1	Sensors: introduction	01-04-2023
2	Classification of Sensors	01-04-2023
3	Different types of sensors	01-04-2023
4	Temperature sensors, proximity sensors	01-04-2023
5	Accelerometer	01-04-2023
6	IR Sensor (infrared Sensor),	01-04-2023
7	Pressure Sensor, Light Sensor,	01-04-2023
8	Ultrasonic Sensor, Smoke, Gas and Alcohol Sensor, Touch Sensor.	01-04-2023
9	Color Sensor, humidity Sensor ',	01-04-2023
10	Tilt Sensor, Flow and Level Sensor. Real time applications to sensors.	01-04-2023
11	Wireless Communication: Introduction	01-04-2023
12	Types of communications- Infrared. RF reception, Zigbee, Bluetooth, Wifi, RFID and GPS	01-04-2023
13	Embedded C: Basics of embedded c programming,	01-04-2023
14	simple programs to interface input and output devices and sensors to 8051 microcontrollers	01-04-2023
15	Adriano: Introduction, types to arduous.	01-04-2023
16	pin description, Adriano platform	01-04-2023

17	Adriano programming	01-04-2023
18	interfacing different sensors to Adriano	01-04-2023
19	introduction to Android	01-04-2023
20	Real Time Projects	01-04-2023
21	Home Automation,	01-04-2023
22	Automobiles, Medical.	01-04-2023
23	Industrial. Robotics,	01-04-2023
24	Security and etc.,	01-04-2023
25	Assignment	01-04-2023
26	Sample test	01-04-2023
		01-04-2023
		01-04-2023

Prescribed text book: Let us Embedded C

P. Salya Type Signature of the coordinator

Ideal College of Arts and Sciences

Autonomous, NAAC-B

Vidyutasgar, Kakinada Value Added Course enrolment

Value added Course Name: C'mbeddec - C (41 Coeps)

Dates: [A 2023 to 30 4 2023

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OUTCOME: STUDENT WILL BE AWARE
OF THE TECHNOLOGY USED. IT HELPS
STUDENTS TO THINK PRACTICALLY AND
PROMOTE INNOVATIVE THOUGHTS.

UNIT SENSORS: INTRODUCTION, CLASSIFICATION OF SENSORS, DIFFERENT TYPES OF SENSORS-TEMPERATURE SENSOR, PROXIMITY SENSOR, ACCELEROMETER, IR SENSOR (INFRARED SENSOR), PRESSURE SENSOR, LIGHT SENSOR, ULTRASONIC SENSOR, SMOKE, GAS AND ALCOHOL SENSOR, TOUCH SENSOR, COLOR SENSOR, HUMIDITY SENSOR, TILT SENSOR, FLOW AND LEVEL SENSOR. REAL TIME APPLICATIONS OF SENSORS.

UNIT-11: WIRELESS COMMUNICATION: INTRODUCTION, TYPES OF COMMUNICATIONS- INFRARED, RF RECEPTION, ZIGBEE, BLUETOOTH, WIFI, RFID AND GPS

UNIT-III: EMBEDDED C: BASICS OF EMBEDDED C PROGRAMMING, SIMPLE PROGRAMS TO INTERFACE INPUT AND OUTPUT DEVICES AND SENSORS TO 8051 MICROCONTROLLER.

UNIT-1V: ARDUINO:INTRODUCTION,
TYPES OF ARDUINOS, PIN DESCRIPTION,
ARDUINO PLATFORM, ARDUINO
PROGRAMMING INTERFACING
DIFFERENT SENSORS TO ARDUINO.
INTRODUCTION TO ANDROID APPS.

UNIT-V: REAL TIME PROJECTS: HOME AUTOMATION, AUTOMOBILES, MEDICAL, INDUSTRIAL, ROBOTICS, SECURITY AND ETC.,



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND ROBOTICS

OFFERING

VALUE ADDED COURSE ON

EMBEDDED



RESOURCE PERSON

MR.V.JEEVAN KANTH

HOD, DEPARTMENT OF AI & ROBOTICS IDEAL COLLEGE OF ARTS AND SCIENCE KAKINADA

CO-ORDINATOR

MRS.P.JYOTHI



ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 and inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India

Sri P. V. Narasimha Rao. With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr Col. D. S. Raju, a close associate of Netaji Subhash Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr P. V.N. Raju, Dr P. ChiranjeeviniKumari, Dr N. S. R. Sastry and others.

The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr. P. V. N. Raju. The Secretary and Correspondent of the College is Dr. P. ChiranjeeviniKumari a renowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year. The

Governing Body members of the College campaigned throughout the entire district and created awareness among the parents and students for the immediate necessity of a co⊠education Degree College in Kakinada with support from the government. As a result, the Ideal Degree College was established and the College now caters to the educational needs of youth around 25 Villages including the town Kakinada. Subsequently, Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District

ABOUT THE DEPARTMENT

The department of Artificial Intelligence And Robotics was established since 2021. The faculty members of the department are well experienced in teaching. The Department has a Artificial Intelligence And Robotics lab (for programming practice) as per U.G.C. Guide lines. The department is maintaining a departmental library with the books of staff members. specimen copies of publishers nearly 90 in number, for the ready reference to students to tackle different methods in practical sessions.

ABOUT THE COURSE

The Embedded C course gives a step-by-step approach to mastering the C programming language for novices. By studying c in a methodical manner, you may fine-tune your coding abilities and turn your ideas into applications, laying a solid basis for embedded systems and more sophisticated electronics systems.

REGISTRATION FORM

Name:	
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Class:	
ADDRESS FOR CORRESPOANDANCE:	
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SIGNATURE

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IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAACB)

KAKINADA

VALUE-ADDED COURSE REPORT

A Four-week Value-Added Course on "C Language"

Organized by Department of Artificial Intelligence and

Robotics

(1st Dec 2022 - 30th Dec 2022)

Resource Person:

Mr. V. Jeevan Kanth

H.O.D Artificial Intelligence

and Robotics

Ideal College of Arts & Sciences (A),

Kakinada Émail.

hodair@idealcollege.edu.in

Contact Number: 9640419933

Coordinator

Sri. P. Satya Jyothi,

Artificial Intelligence and

Robotics

Ideal College of Arts & Sciences (A),

Kakinada

Email.

mathsair@idealcollege.edu.in

Contact Number: 9959166887

Objectives:

- To learn about Programming Language.
- To understand different loops Statements
- To know about Application Designing

Unit-1: Sensors: Introduction, Classification of sensors, different types of sensors. Temperature Sensor. Proximity Sensor, Accelerometer, IR Sensor (infrared Sensor), Pressure Sensor, Light Sensor, ultiasonic Sensor, Smoke, Gas and Alcohol Sensor, Touch Sensor. Color Sensor, humidity Sensor, Tilt Sensor, Flow and Level Sensor. Real time applications to sensors.

Unit-11: Wireless Communication: Introduction, types of communications-Infrared. RF rejection, Zigbee, Bluetooth, Wi-Fi, RFID and GPS

Unit-III: Embedded C: Basics of embedded c programming, simple programs to interface input and output devices and sensors to 8051 microcontroller.

Unit-IV: Arduino: Introduction, types of arduinos, pin description, Arduino platform, Arduino programming interfacing different sensors to arduino. Introduction to Android

Unit-V: Real Time Projects: Home Automation, Automobiles, Medical, Industrial, Robotics, Security and etc.,

No. of participants:17

P. Salya Tyol
Signature of the coordinator



Certificate of Achievement

IDEAL COLLEGE OF ARTS & SCIENCES (AUTONOMUS, NAAC B) KAKINADA



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND ROBOTICS

This is certify that Dr./Mr./Mrsfrom
has completed four weeks value-added course on
"C-Language" conducted by the Department of Artificial intelligence and Robotics
Ideal college of Arts & science(A), KAKINADA from 1st Dec 2022 to 30th Dec 2022

Mr.V.Jeevan Kanth

Resource person

P. Satya Tyoth:

Mrs.P.Satya Jyothi

co-ordinator

T. Sahanengere

Dr.T.Satyanarayana

Principal

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

NOTICE

Dt:17.04.2023

All the I B.Voc Students are hereby informed that Department of Fisheries and Aquaculture conducting A Three Week value added course on "Vermicomposting" from April 2023 to June 2023.

Interested candidates are register their names with Sri P.V.Lovaraju HOD of Fisheries & Aquaculture, and Course coordinator on or before 24.04.2023.

PRINCIPAL
Principal
Ceal College of Arts & Sciences (A)
KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM KAKINADA

A Three Week value added course on "Vermicomposting" Day wise course Schedule

Day	Date	Topic
1	27-04-2023	Types of earth worms
2	28-04-2023	Classification of Epigeic, Endogeic
3	29-04-2023	Classification of Diageic
4	01-05-2023	history of Earthworms
5	02-05-2023	Assignment
6	03-05-2023	Small scale Bed method
7	04-05-2023	large scale Bed method
8	05-05-2023	Pit method
9	06-05-2023	Test
10	08-05-2023	Storing and packing of vermicompost
11	09-05-2023	Harvesting the Compost
12	10-05-2023	Physical Parameters of vermicompost
13	11-05-2023	Analysis of Physical-chemical characteristics
14	12-05-2023	Nutrient content of vermicompost
15	05-06-2023	Assignment
16	06-06-2023	Role of vermicompost in agriculture
17	07-06-2023	Precautions while vermicomposting
18	08-06-2023	Benefits of vermicompost
19	09-06-2023	Pests and Diseases of Earthworms
20	12-06-2023	Seminars
21	13-06-2023	Test

Signature of the Coordinator

Course Structure & Syllabus

30hr

Objectives:

Transformation of the residues generated by human activity and production of organic fertilizers by using earthworms.

Course Outcomes

Students will get knowledge on biodiversity of local earthworms.

Students will be able to know how to do vermicomposting and its importance.

UNIT I:

- * Types of Earthworm and Classification Epigeic, Endogeic, Diageic.
- * Life history of Earthworms (Earthworm Species Eiseniafoetida).

UNIT II:* Small and large scale
Bed method, Pit method
* Harvesting the Compost,
Storing and packing of

vermicompost

UNIT III:

- * Physical Parameters of vermicompost
- * Nutrient content of vermicompost and their role in agriculture
 - * Benefits of vermicompost

Resource person

Smt.P.S.Devapriya
Assistant professor of
Fisheries and Aquaculture

IDEAL COLLEGE OF ARTS AND



SCIENCES

(AUTONOMOUS, NAAC B)

DEPARTMENT OF FISHERIES AND
AQUACULTURE
Offering

A THREE WEEK VALUE ADDED

COURSE ON



coordinator

Sri. P.V.Lovaraju
HOD of Fisheries and
Aquaculture

on successful completion of course

ABOUT THE INSTITUTION

The Ideal College of Arts and Sciences(A), Kakinada was established as Junior College in 1970 inaugurated by the then Chief Minister of Andhra Pradesh and former Prime Minister of India Sri P. V. Narasimha Rao, With the constant efforts of the founder members, a group of Intellectuals, Educationists and patriots like Dr.Col.D.S.Raju, a close associate of Netaji Subhas Chandra Bose and Jawaharlal Nehru, the former Prime Minister of India, Dr.P.V.N.Raju, Dr.P. Chiranjeevini Kumari, Dr.N.S. R.Sastry and others. The College was formed by the Education Society, Kakinada through the education policy adopted by the State Government under the Chairmanship of Dr.P.V.N.Raju. The Secretary and Correspondent of the College is Dr.P.Chiranjeevini Kumari are nowned educationist, scholar and famous writer in Telugu Literature under whose guidance and administration the College has been flourishing year after year.

The Governing Body members of the College campaigned the entire district and created awareness among the parents and students for the immediate necessity of coeducation Degree College in Kakinada with the support from the government. As a result the Ideal Degree College was established and the College now caters to

he educational needs of youth around 25 Villages including the town Kakinada. Subsequently Ideal Degree College was renamed as Ideal College of Arts & Sciences, Kakinada. The Ideal College of Arts and Sciences was established in 1974 with a spacious buildings and land of about 14 acres running in two campuses. It has the proud privilege of being accredited by NAAC and Autonomy as the first Private Aided College in the District.

ABOUT THE DEPARTMENT

The department of Fisheries and Aquaculture was established since the inception of the college(2019). The faculty members of the department are well experienced in teaching. The Department has a water analysis lab equipment's for Practical's and Maintaining a Culture ponds and bio-Flocks as per U.G.C. Guide lines. The department is maintaining a departmental library with the books of staff members, specimen copies for the ready reference to students to tackle problems in different methods in practical sessions.

ABOUT THE COURSE

The concept of Value added fishery products is not totally new.

Vermicomposting is the product of earthworm digestion and aerobic decomposition using the activities of micro- and microorganisms at room temperature. Vermicomposting, or worm composting, produces a rich organic soil amendment containing a diversity of plant nutrients and beneficial microorganisms.

The advantage of course gives you how to do vermicomposting, requirements for vermicomposting.

Registration form

Name:
Roll No:
Class:
Address for correspondence:
Mobile No:
Email Id:

IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous&NAACB) Dr. P.V.N. RAJUVIDYAPRANGANAM, KAKINADA

Department of Fisheries and Aquaculture Value Added Course 2022-2023 List of Students

S.NO	REG.NO	STUDENT NAME	SIGNATURE
1	2220404101	A.CHANDU KUMAR	
2	2220404102	B. SUNNY BABU	chandu kumas
3	2220404103	B.KRISHNA GANESH	Sunny babu
4	2220404104	B.HONEY	Homeych
5	2220404105	B.MEGHANA	Honey
6	2220404106	B.AJAY KUMAR	meghaga
7	2220404107	B.SIVAGOVINDU	- Junar
8	2220404108	CH.DURGA MALLESH	Agay fam
9	2220404109	CH.RAVI KUMAR	Si calprid
10	2220404110	CH.RAJU	Ravi Kumaur
11	2220404111	D.VIVEK	Raju
12	2220404112	I.V.NARASIMHA KALYAN	Vivek
13 2	2220404113	J.M.NARASIMHA RAM	Kalyan
4 2	220404114	J.VENKATA RAMAYYA	Jane
5 2	220404115	K.SWAMI	famayyu 0
6 2	220404116	KJAYANTII	france
7 2	220404117	K.SNIGDHAKAMALI	Tayann
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22	2230404155	M NAGA	Pujitha
23	2220404124	MKARIIIK	Nosa
24	2220404125	M.LEENA	kadrik.
25	2220404126	NATINUMADHAV	Venumadray
76	2230404127	N.LAKSHMAN	Lakshenan
37	2220404128	N.BALUMAHENDRA	mahandra
28	2220404129	N.SAIRAM	Saltan
29	2220404130	P.ARAVIND	Agravind
30	2220404131	P.SATISH	Scutish
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33	2220404136	TMADIURIMA	Madeurina
34	2220404138	V.VEERALAKSHMI	Maurha
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IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM

KAKINADA

VALUE-ADDED COURSE REPORT

A Three-week Value-Added Course on "Vermicomposting"
Organized by Department of Fisheries and Aquaculture (April 2023–June 2023)

Resource Person

: Smt.P.S.Devapriya,

Assistant Professor of Fisheries and Aquaculture Ideal College of Arts & Sciences, Kakinada. E-mail: hodfisheries@idealcollege.edu.in

Contact Number: 9059041007

Coordinator

: Sri P.V.Lovaraju,

HOD of Fisheries and Aquaculture

Ideal College of Arts & Sciences, Kakinada E-mail: hodfisheries@idealcollege.edu.in

Contact Number: 8919567363

OBJECTIVES:

Transformation of the residues generated by human activity and production of organic fertilizers by using earthworms.

Topics Covered:

UNIT I:

- * Types of Earthworm and Classification Epigeic, Endogeic, Diageic.
- * Life history of Earthworms (Earthworm Species Eiseniafoetida).

UNIT II: PRODUCTION AND DIFFERENT METHODS OF VERMICOMPOSTING

- * Small and large scale Bed method, Pit method
- * Harvesting the Compost, Storing and packing of vermicompost

22-12

UNIT III:

- * Physical Parameters of vermicompost
- * Nutrient content of vermicompost and their whe in agriculture
- * Benefits of vermicompost

Outcomes of the Course:

Students will get knowledge on biodiversity of local earthworms. Students will be able to know how to do vermicoraposting and its importance.

Number of Participants: 33 Members

Signature of the Coordinator



IDEAL COLLEGE OF ARTS AND SCIENCES (Autonomous & NAAC B) Dr. P.V.N. RAJU VIDYAPRANGANAM, KAKINADA

DEPARTMENT OF FISHERIES AND AQUACULTURE

This is to Certify that <i>Dr./N</i>	As./Mr./Mrs.
From	has completed Three week Value Added
Course on "Vermicomposti	ng" Conducted by the Department of Fisheries
and Aquaculture, Ideal Col	lege of Arts & Sciences(B), Kakinada from April
2023 to June 2023.	

Smt.P.S.Devapriya

Resource Person

P.V.Lovaraju

Coordinator

7. Salyanarayana

Principal
Principal
Ideal College of Arts & Sciences (A)
KAKINADA