

**IDEAL COLLEGE OF ARTS AND SCIENCES**  
**(A.P, Govt, AIDED, AUTONOMOUS & NAAC B)**  
**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**SAMALKOT ROAD, KAKINADA**

**LIST OF VALUE ADDED COURSES**

**Academic Year 2020-2021**

S. No	Name of the Course	Date	Department	Number of Participation
1	A Six Week Value Added Course on Essentials and Usages of Mathematica	16.11.2020 to 21.12.2020	Maths	55
2	A Four Week Value Added Course on Seed Technology	16.11.2020 to 21.12.2020	Botany	32
3	A Six Week Value Added Course on E-Commerce and Digital Marketing	20.11.2020 to 18-12-2020	Commerce	60
4	A Four Week Value Added Course on Comparative Anatomy and Functional Organization of Invertebrates and vertebrates	25.11.2020 to 15.12.2020	Zoology	48
5	A Four Week Value Added Course on International Trade	25.11.2020 to 15.12.2020	Economics	20
6	A Four Week Value Added Course on Industrial Chemistry	02.12.2020 to 20.01.2021	Chemistry	30
7	A Four Week Value Added Course on The makers of Modern India	02.12.2020 to 20.01.2021	History	20

S. No	Name of the Course	Date	Department	Number of Participation
8	A Four Week Value Added Course on Godavari urban Development authority	02.12.2020 to 20.01.2021	Political Science	20
9	A Four Week Value Added Course on Human Values and Professional ethics	14.12.2020 to 29.01.2021	English	50
10	A Six Week Value Added Course on Low Temperature Physics	04.01.2021 to 15.02.2021	Physics	30
11	A Four Week Value Added Course on MS Excel and MS Power Point	01.02.2021 to 28.02.2021	Computer Science	24

  
**IQAC Coordinator**  
 Ideal College of Arts & Sciences (A)  
 KAKINADA

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

**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**KAKINADA**

**NOTICE**

**Dt: 04.11.2020**

All the I B.Sc (M.P.C & M.P.Cs) students are hereby informed that The Department of Mathematics is conducting A Six-week value added course on “ESSENTIALS AND USAGES OF MATHEMATICS” from November 2020 to December 2020.

Interested candidates are requested to register their names with Ms. A. Ch. Sravanthi, H O D Mathematics and Course coordinator on or before 14.11.2020.

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

**IDEAL COLLEGE OF ARTS & SCIENCES(A)**  
*(A.P. Govt. Aided, Autonomous & NAAC B)*  
**KAKINADA**

**B.Sc. MATHEMATICS**

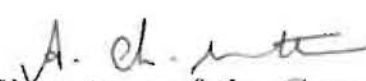
**A Six-Week Value Added Course**  
**on**  
**ESSENTIALS AND USAGES OF MATHEMATICA**  
**2020-21**

**Day Wise Course Schedule**

<b>S.No</b>	<b>Date</b>	<b>Topic</b>
1	16-11-2020	Language Overview , Expressions, Rules & Patterns
2	17-11-2020	Procedural Programming – Parallel Programming
3	18-11-2020	Package Development – Syntax
4	19-11-2020	Units – Lists – Variables & Functions
5	20-11-2020	Functional Programming – Sting Manipulation
6	21-11-2020	External Operations – Tuning & debugging.
7	23-11-2020	Practice Session
8	24-11-2020	Mathematical functions – Formula manipulation
9	25-11-2020	Matrices & Linear Algebra – calculus
10	26-11-2020	Polynomial Algebra
11	27-11-2020	Graphs & Networks – Logic & Boolean Algebra



12	28-11-2020	Control Systems – Mathematical Data
13	30-11-2020	Number & Precision – Equation Solving – Optimization
14	01-12-2020	Probability & Statistics – Discrete Math – Number Theory
15	02-12-2020	Computational Systems – Finance.
16	03-12-2020	Student Presentation
17	04-12-2020	Data visualization – Charting
18	05-12-2020	Statistical visualization – Gauges
19	07-12-2020	Drawing & interactivity -- computational Geometry – Sound & Sonification
20	08-12-2020	Function visualization – Dynamic visualization
21	09-12-2020	Financial visualization – Options & Styling
22	10-12-2020	Symbolic Graphics language – Importing & Exporting
23	11-12-2020	Practice sessions
24	14-12-2020	Importing & Exporting
25	15-12-2020	Numerical Data
26	16-12-2020	Image Processing – Text Processing
27	17-12-2020	Files – Date & time -- Arrays.
28	18-12-2020	Introduction to MATLAB, Creating Variables
29	19-12-2020	Some Useful MATLAB Functions
30	21-12-2020	Data Types, Script Files, MATLAB operators

  
**Signature of the Coordinator**

## ESSENTIALS AND USAGES OF MATHEMATICA

### UNIT -I

#### Core Language

Language Overview – Expressions – Rules & Patterns – Procedural Programming – Parallel Programming – Package Development – Syntax – Units – Lists – Variables & Functions – Functional Programming – Sting Manipulation – External Operations – Tuning & debugging.

### UNIT-II

#### Mathematics and Algorithm

Mathematical functions – Formula manipulation – Matrices & Linear Algebra – calculus –Polynomial Algebra – Graphs & Networks – Logic & Boolean Algebra – Control Systems – Mathematical Data – Number & Precision – Equation Solving – Optimization – Probability & Statistics – Discrete Math – Number Theory – Computational Systems – Finance.

### UNIT-III

#### Visualization and graphics

Data visualization – Charting – Statistical visualization – Gauges – Drawing & interactivity – computational Geometry – Sound & Sonification – Function visualization – Dynamic visualization – Financial visualization – Options & Styling – Symbolic Graphics language – Importing & Exporting

### UNIT-IV

#### Data manipulation

Importing & Exporting – Numerical Data – Image Processing – Text Processing – Files – Date & time – Arrays. Introduction to MATLAB, Creating Variables, Some Useful MATLAB Functions, Data Types, Script Files, MATLAB operators



**IDEAL COLLEGE OF ARTS & SCIENCES**

**(AUTONOMOUS, NAAC B)**

**DEPARTMENT OF MATHEMATICS**

**OFFERING**

**A SIX-WEEK VALUE ADDED-COURSE**

**(November 2020-December 2020)**

**ON**

**ESSENTIALS AND USAGES OF MATHEMATICA**



**Coordinator**

**Sri. A Ch Sravanthi**

**H.O.D. Mathematics**

**Ideal College of Arts & Sciences (A),  
Kakinada**

**Resource person**

**Ms. K T N Jyothi**

**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 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 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 Practicals 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 316 in number, for the ready reference to students to tackle problems in different methods in practical sessions.

## ABOUT THE COURSE

Mathematica is a symbolic mathematical computation program, sometimes called a computer algebra program, used in many scientific, engineering, mathematical, and computing fields. It was conceived by Stephen Wolfram and is developed by Wolfram Research of Champaign, Illinois. The Wolfram Language is the programming language used in Mathematica.

### REGISTRATION FORM

Name of the Student : \_\_\_\_\_

Roll No : \_\_\_\_\_

Class : \_\_\_\_\_

Address for

Correspondence : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mobile Number : \_\_\_\_\_

E-mail : \_\_\_\_\_

Signature



IDEAL COLLEGE OF ARTS AND SCIENCES  
(A.P. Govt. Aided, Autonomous & NAAC B)  
KAKINADA

DEPARTMENT OF MATHEMATICS

VALUE-ADDED COURSE 2020-21  
ON

LIST OF ENROLLED STUDENTS

S.No	Roll No.	Name of the student	Signature
1.	2192201	AJAY KUMAR VASAMSETTI	Ajay Kumar
2.	2192202	AJAY PALEPU	P. Ajay
3.	2192204	ANU SRAVANI BELLAPU	B. A. Sravani
4.	2192205	BHUVAN BHASKAR BONTHU	B. B. Bhuvan
5.	2192206	CHINDU PRASAD VANAPALLI	V. Chindu Prasad
6.	2192207	DAVEEDIJ RAJU VANAMADI	V. Daveedu Raju
7.	2192208	DEVI PIDIMI	P. DEVI
8.	2192209	DHARANI KADIYAM	Charani K
9.	2192210	DIVYA SAI YEDLA	Y. Divya Sai
10.	2192211	DURGA PRASAD SWARNA	S. Durga Prasad
11.	2192212	GANGADHAR NIMMAKAYALA	G. Gan
12.	2192213	HARISH SRI MANIDEEP YELAMARTHI	N. SIVA
13.	2192214	JAFAR ALI SHAIK	S. Jafar ali
14.	2192215	JAGADEWESWARI BIRUDA	R. Jagade Sweswari

15.	2192216	JOHN PRASAD KANTIPALLI	Prasab Kantipalli
16.	2192217	JOSH MOULI YEGADHASU	JOSH mouli yegadhasu
17.	2192218	JOSHNA SATISH ANUSURI	J. ANUSURI
18.	2192219	KALYAN POLARAPU	KALYAN POLARAPU
19.	2192220	KHAJA RABBANI MOHAMMAD	Khaja Rabbani Mohammad.
20.	2192221	MANOHAR SATISH NAKKA	manohar Satish Nakka.
21.	2192222	MOHAN KUMAR NEELAPU	m. Kumarneelapu
22.	2192223	MOHAN MANIKUMAR RAVULAPUDI	Mohan Manikumar . P.
23.	2192224	NAGA VENKATA LAKSHMANA SAI SATEESH SIRAM	N. V. L. Sai sateesh siram
24.	2192225	NAGOOR DOMA	D. Nagoor
25.	2192226	NARMALA JYOTHI GAMPALA	Narmala Jyothi. G
26.	2192227	NOBEL RAJ BANDILI	N. Rajbho
27.	2192228	OMKKAR SAVITI	om/2ka v.
28.	2192230	PRASAD PALLELA	P. Prasad
29.	2192231	PRASANNA KUMAR YENUGUPALLI	Prasanna Kumar. Y
30.	2192232	PUSHPA DEVI VASAMSETTI	Pushpa Devi. V
31.	2192233	RAHUL JAGADAM	J. Rahul
32.	2192234	RATNAM RAJU MEDISETTI	m. R. Raju
33.	2192235	RISHITHA GUBBALA	R. Gubbala
34.	2192236	ROBIN JAMES BHUPATHI	R. James bhupathi
35.	2192237	SAI PRASEEDA DUGGLA	Sai Prasab duggla
36.	2192239	SANDEEP KUMAR KANUGONDA	S. k. kanugonda

37.	2192240	SATISH DOMA	D. Satish.
38.	2192241	SRI RAM TIRIMSETTI	Sri. Ram T
39.	2192242	SRI SATYANARAYANA TUMMALAPALLI	T. Sri Satyanarayana
40.	2192243	SRINIVAS BADDILA	Srinivas B.
41.	2192244	SRINIVAS KOKKILIGADDA	K. Srinivas
42.	2192245	SRINIVAS OLETI	O. SRINIVAS
43.	2192246	SRINU JIVIREDDI	S. Jivireddy
44.	2192247	SUNIL KUMAR GUNAPALLI	Sunil Kumar
45.	2192248	TARUN BABU GUBBALA	Tarun Babu
46.	2192249	VEERA BABU DHARMAVARAPU	D. Veerababu
47.	2192250	VEERA VENKATA RAMANA KADALI	K-V V. Ramana
48.	2192251	VENKATA KUMAR MANIKANTA KAMMIDI	VENKATA KUMAR
49.	2192252	VENKATA RAMANA MANDALA	Ramana
50.	2192253	VENKATA SIVA DURGA PILLI	P. Siva Durga
51.	2192254	VENUGOPAL NEELAPALA	Venugopal
52.	2192255	VIJAYA KUMAR KOTIKALAPUDI	Vijaya Kumar
53.	2192256	VIJAYA KUMARI LAVETI	Vijaya Kumari
54.	2192258	VISWESWARA RAO YELAMARTHI	X. Visweswara Rao
55.	2192259	SANDEEP CHEEKATLA	Sandeep.c.











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

**VALUE-ADDED COURSE REPORT**

**A Six- Week Value-Added Course on**  
**“ESSENTIALS AND USAGES OF MATHEMATICA”**

**Organized by Department of Mathematics**  
**(November 2020 -- December 2020)**

**Resource Person :** **Ms. K T N Jyothi**  
Assistant Professor of Mathematics  
Ideal College of Arts & Sciences(A), Kakinada  
Email : [ktnjyothi9@gmail.com](mailto:ktnjyothi9@gmail.com)  
Contact Number: 9866602922

**Coordinator :** **Ms. A Ch Sravanthi,**  
H.O.D Mathematics  
Ideal College of Arts & Sciences(A), Kakinada  
Email: [chandisravanthi9@gmail.com](mailto:chandisravanthi9@gmail.com)  
Contact Number: 7569311909

**Objectives:**

- Mathematica introduces students to basic mathematics commands in programming language.
- For learn problems in Linear algebra, graph theory, differential equations, Number theory, operation Research and Discrete Mathematics.
- For learn programming for solving problems

**Topics Covered :**

**UNIT -I**

**Core Language**

Language Overview – Expressions – Rules & Patterns – Procedural Programming – Parallel Programming – Package Development – Syntax – Units – Lists – Variables & Functions – Functional Programming – Sting Manipulation – External Operations – Tuning & debugging.

**UNIT-II**

**Mathematics and Algorithm**

Mathematical functions – Formula manipulation – Matrices & Linear Algebra – calculus – Polynomial Algebra – Graphs & Networks – Logic & Boolean Algebra – Control Systems –

Mathematical Data – Number & Precision – Equation Solving – Optimization – Probability & Statistics  
Discrete Math – Number Theory – Computational Systems – Finance.

### UNIT-III

#### Visualization and graphics

Data visualization – Charting – Statistical visualization – Gauges – Drawing & interactivity/  
computational Geometry – Sound & Sonification – Function visualization – Dynamic visualization  
Financial visualization – Options & Styling – Symbolic Graphics language – Importing & Exporting

### UNIT-IV

#### Data manipulation

Importing & Exporting – Numerical Data – Image Processing – Text Processing – Files – Date & time –  
Arrays. Introduction to MATLAB, Creating Variables, Some Useful MATLAB Functions, Data Types,  
Script Files. MATLAB operators

#### Textbooks


- Martha L. Abell, James P. Braselton, 2009, Mathematica by Example, 4th Edition, Academic Press, USA.
- Michael Trott, 2004, The Mathematica Guide Book for Programming, Springer, USA
- Stephen Wolfram, 2003, The Mathematica Book, 5th Edition, Wolfram Media, USA
- John Gray, 2014, Mastering Mathematica- Programming Methods and Applications, Academic Press.
- Wolfram Mathematica 9 Documentation – Original.

#### **Outcome of the Course:**

After successful completion of Mathematica student can able to

- Recall fundamental Mathematica commands
- Solving some problems in Linear algebra, Graph theory, Differential Equations, Number theory, Operations Research and Discrete Mathematics
- Illustrate programs using Mathematica and some real-life problems
- Develop simple projects using Mathematica
- Apply different techniques in Mathematica to solve various problems

**Number of Participants: 55 Members**

  
Signature of the Coordinator

# IDEAL COLLEGE OF ARTS & SCIENCES

(A.P. GOVT. AIDED, AUTONOMOUS & NAAC B)

KAKINADA

## DEPARTMENT OF MATHEMATICS

A SIX WEEK VALUE ADDED COURSE ON "ESSENTIALS AND USAGES OF MATHEMATICS"

### CERTIFICATE

*This Is To Certify That Ms./Mr./Mrs.*

*has Completed Six-Week Value-added Course On*

**"ESSENTIALS AND USAGES OF MATHEMATICA"**

*Conducted By The Department Of Mathematics ,*

*Ideal College Of Arts & Sciences(a), Kakinada,*

*From November 2020 To December 2020*



*K. N. Jyothi*  
Ms. K. N. Jyothi  
Resource Person

*A. Ch. Sravanthi*  
Sri A Ch Sravanthi  
Coordinator

*K. Jhansi Lakshmi*  
Dr K Jhansi Lakshmi  
Principal  
Ideal College of Arts & Sciences (A)  
KAKINADA



**IDEAL COLLEGE OF ARTS AND SCIENCES**

*(A.P.Govt. Aided, Autonomous & NAAC B)*

**DR. P.V.N. RAJU VIDYAPRANGANAM**

**Samalkot Road, KAKINADA**

**NOTICE**

**Date.04.11.2020.**

All the II B.Sc.(BZC) students are hereby informed that Department of Botany is conducting A Four – week value added course on “**Seed Technology**” from November 2020 to December 2020.

Interested candidates are requested to register their names with Dr. M. Sulakshana, HOD Botany and Course Coordinator on or before 14.11.2020.

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



**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**SAMALKOT ROAD, KAKINADA**

**DEPARTMENT OF BOTANY**

Value added Course for the year 2020-2021

**A Four Week Value Added Course on “Seed Technology”**

**Day Wise Course Schedule**

<b>S.No</b>	<b>Date</b>	<b>Topic</b>
<b>1.</b>	16.11.2020	Seed Identification & Difference between seed and grain
<b>2.</b>	17.11.2020	Role of high quality seed increasing & staying crop production
<b>3.</b>	18.11.2020	Seed Quality and Quantity
<b>4.</b>	19.11.2020	Seed Production Characteristics of sowing Quality seeds
<b>5.</b>	20.11.2020	Classification of crop plants
<b>6.</b>	21.11.2020	Assignment – I
<b>7.</b>	23.11.2020	Breeding and testing of crop varieties and hybrids
<b>8.</b>	24.11.2020	Self and cross pollinated crops
<b>9.</b>	25.11.2020	Notification of varieties for cultivation and purity maintenance
<b>10.</b>	26.11.2020	Genetic purity of varieties

11.	27.11.2020	Life span verities and factors affecting
12.	28.11.2020	Maintenance of genetics purity techniques
13.	30.11.2020	Seed multiplication
14.	01.12.2020	Certifies seeds
15.	02.12.2020	Assignment – II
16.	03.12.2020	Flowering crops
17.	04.12.2020	Modifications for hybrid seed production
18.	05.12.2020	Factors affecting seed set
19.	07.12.2020	Nutrition and irrigation
20.	08.12.2020	Male sterility
21.	09.12.2020	Self incompatibility
22.	10.12.2020	Assignment – III
23.	11.12.2020	Genetics and use in hybrid seed production
24.	14.12.2020	Seed dormancy
25.	15.12.2020	Seed germination
26.	16.12.2020	Seed germination
27.	17.12.2020	Student seminar
28.	18.12.2020	Assignment – VI
29.	19.12.2020	Student Seminar
30.	21.12.2020	Review

  
 Signature of the Coordinator



## Course Structure & Syllabus

### OBJECTIVES:

Understand the instruments, techniques, lab equipments and good lab practices for Seed identification.

Practical skills in the field and laboratory experiments in seed technology.

Learn to identify different angiospermic seed and Plants.

### COURSE OUTCOMES:

After Successful Completion of Value-added Course

The student should understand the physiological process involved in seed development.

The student should be able to understand the concepts causes and mitigating measures of seed dormancy.

The student able to understand the process of seed germination.

### UNIT I

General Introduction:

Seed Definition - Difference between seed and grain.

Seed as a basic input in agriculture.

Role of high quality seed in increasing and sustaining crop production.

Seed quality concept, quantity control in seed production characteristics of sowing quality seeds. Mode of reproduction in relation to seed production - classification of crops plants in relation of mode reproduction and choice of methods for seed production.

### UNIT II

Development & Training of varieties:

System of breeding and testing of crop varieties and hybrids in self, often and cross pollinated crops. System of release and notification of varieties for general cultivation.

Varietal purity and its maintenance: Genetic purity of varieties - concepts.

Life span of varieties and factors responsible for their deterioration.

Methods of maintenance of genetics purity and techniques of maintenance breeding.

Generation system of seed multiplication. System and methods of production of nucleus, breeder, foundation and certified seed.

### UNIT III

Flowering & Seed Production:

Flowering in crop plants, its modification for hybrid seed production.

Factors affecting seed set - temperature, relative humidity, day length, wind velocity and directions of flowering, anthesis, pollen viability, stigma receptivity, nutrition and irrigation. Male Sterility & Self Incompatibility Male sterility, its genetics and use in hybrid seed production. Self incompatibility - its genetics and use in hybrid seed production.

Co-Curricular Activities: Student Seminar, Assignment, Practice

Prescribed Text Book : Seed Technology Front Cover, Ratan Lal Agrawal



**IDEAL COLLEGE OF ARTS AND  
SCIENCES**  
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NAAC B)

**DEPARTMENT OF BOTANY  
OFFERING**

**A FOUR WEEK VALUE ADDED COURSE**

ON

**SEED TECHNOLOGY**

November 2020 to December 2020

**Coordinator**

Smt. K. Nirmala Rani  
HOD, Botany  
Ideal College of Arts and  
Sciences(A), Kakinada

**Resource Person**

Dr. M. Sulakshana  
Assistant Professor of  
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.

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### 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 & National 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 Course

This course will enhance the knowledge of seed biology, seed quality, seed production, seed storage and seed certification. Starting with seed as a biological organism the course winds through its quality parameters, enumerates its production techniques, ensures its physical quality through processing, pervades quality checks through certification norms and finally reaches the farmer as an enhanced input ensuring assured returns. Seed production techniques of several important crops have been provided for the benefit of those who would like to venture into seed production. Even latest seed enhancement techniques like pelleting, priming and coating are provided for improved knowledge. On completion, one can possess sufficient knowledge on seed quality, its production strategy, processing methodology, distribution links and even legal issues.

## REGISTRATION FORM

Name of the Student : \_\_\_\_\_

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 BOTANY

Value added Course for the year 2020-2021

## Seed Technology

S.No	Roll Number	Name of the Student	Signature
1.	2192506	ARUNA GANDHAM	G. Aruna
2.	2192507	AVINASH NADIPALLI	N. Avinash
3.	2192508	BHAVANI VASA	V. Bhavani
4.	2192509	CHANDRA KALA NAGALLA	N. Chandrakala
5.	2192511	DEVI RATNAM KAKARA	K. Devi Ratnam
6.	2192512	DHANA RAJU KOMMIREDDI	Rajukommireddi
7.	2192513	DURGA PRASAD NAKKA	N. Durga Prasad
8.	2192514	GIREESH KUMAR YELETI	Y. Gireesh Kumar
9.	2192515	GURU PRASAD PULI	P. Guru Prasad
10.	2192519	MANIAKNTA MALLA	M. Mani Aknta
11.	2192520	MOHAN SUDHEER ATTI	A. Sudheer Atti
12.	2192522	NAVYA DEEPIKA RAGAM	R. Navya Deepika
13.	2192525	PRASAD MANDAPALLI	M. Prasad
14.	2192526	PRASANNA KUMAR BARTHU	B. Prasanna Kumar
15.	2192527	RAJA KUMAR YEDDU	Y. Raju Kumar
16.	2192530	RAM KUMAR ALLA	A. Ram Kumar
17.	2192533	RAMANA REDDY PALLALA	P. Ramana Reddy
18.	2192534	RAMAYAMMA DEVADA	D. Ramayamma
19.	2192535	RAMBABU DASARI	D. RAMBABU

20.	2192536	RAMTEJA GUTTULA	G. Ramteja
21.	2192537	RAVI KUMAR SARIKA	S. Ravi Kumar
22.	2192538	REDDI NAIDU GUBBALA	G. Reddy Naidu
23.	2192539	SAI RAM ULLI	U. Sai Ram
24.	2192540	SHAIRA BANU SHAIK	S. Shaira Banu
25.	2192541	SHARIFUNNISA MOHAMMAD	M. Sharifunnisa
26.	2192542	SIMHADRI CHEKKA	C. Simhadri
27.	2192543	SIMHADRI PITTA	P. Simhadri
28.	2192545	SRINIVAS CHAMANDRI	C. Srinivas
29.	2192546	VEERA VARAHALU BEERA	R. Veera Varahalu
30.	2192547	VENKATA LAKSHMI MEDISETTI	m. Venkata Lakshmi
31.	2192601	ADI SESHAGIRI KOTTE	K. Adi Seshagir
32.	2192602	AKSHIYA VANAPALLI	Akshya v.





# Pupils Attendance Register

పేరు \_\_\_\_\_  
 సంస్థ/వర్గము \_\_\_\_\_

1	2	3	4	5														
				1	2	3	4	5	6	7	8	9	10	11	12	13		
2192542	26	Simhadri Pheeko		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
2192543	27	Simhadri Potta		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
2192545	28	Srinivas Channadri		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
2192546	29	veera varahalu Reera		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
2192547	30	ventata lakshmi Mediseti		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
2192601	31	Adisesha giri Kotte		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
2192602	32	AKshya vanapalli		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a

# పిల్లల హాజరుపట్టి

రోజుల సంఖ్య \_\_\_\_\_  
 పేరు/వర్గము \_\_\_\_\_

5													6		7	8	9					
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	హాజరుక వివరాలు	ఉత్తర తది	అనుమతి తది	వివాదాలు తది	
a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	హాజరు	అధికాలు			
a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a					
a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a					
a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a					
a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a					
a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a					
a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a					

విద్యార్థుల సంఖ్య: \_\_\_\_\_  
 హాజరు: \_\_\_\_\_  
 అనుమతి: \_\_\_\_\_  
 వివాదాలు: \_\_\_\_\_

విద్యార్థుల సంఖ్య: \_\_\_\_\_  
 హాజరు: \_\_\_\_\_  
 అనుమతి: \_\_\_\_\_  
 వివాదాలు: \_\_\_\_\_



**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 “Seed Technology” organized by  
Department of Botany**

**(November 2020 to December 2020)**

**Resource Person** : Dr. M. Sulakshana  
Assistant Professor of Botany  
Ideal College of Arts and Sciences(A),  
Kakinada  
E-mail Id: sulakshanamaddala@gmail.com  
Contact Number: 7997633870

**Coordinator** : Smt. K. Nirmala Rani  
HOD, Botany  
Ideal College of Arts and Sciences(A),  
Kakinada  
E-mail Id: nirmalarani.kusuma@yahoo.com  
Contact Number: 8074301822

**Objectives:**

- Understand the instruments, techniques, lab equipettes and good lab practices for Seed identification.
- Practical skills in the field and laboratory experiments in seed technology.
- Learn to identify different angiospermic seed and Plants.

**Topics Covered:**

**UNIT I**

**General Introduction:**

- Seed Definition – Difference between seed and grain.
- Seed as a basic input in agriculture.
- Role of high quality seed in increasing and sustaining crop production.
- Seed quality concept, quantity control in seed production characteristics of sowing quality seeds.



- Mode of reproduction in relation to seed production – classification of crops plants in relation of mode reproduction and choice of methods for seed production.

## UNIT II

### **Development & Training of varieties:**

- System of breeding and testing of crop varieties and hybrids in self, often and cross pollinated crops.
- System of release and notification of varieties for general cultivation. Varietal purity and its maintenance:
- Genetic purity of varieties – concepts.
- Life span of varieties and factors responsible for their deterioration.
- Methods of maintenance of genetics purity and techniques of maintenance breeding.
- Generation system of seed multiplication.
- System and methods of production of nucleus, breeder, foundation and certified seed.

## UNIT III

### **Flowering & Seed Production:**

- Flowering in crop plants, its modification for hybrid seed production.
- Factors affecting seed set – temperature, relative humidity, day length, wind velocity and directions of flowering, anthesis, pollen viability, stigma receptivity, nutrition and irrigation. Male Sterility & Self Incompatibility Male sterility, its genetics and use in hybrid seed production.
- Self incompatibility – its genetics and use in hybrid seed production.

### **Outcomes of the Course:**

After Successful Completion of Value-added Course

- The student should understand the physiological process involved in seed development.
- The student should be able to understand the concepts causes and mitigating measures of seed dormancy.
- The student should be able to understand the process of seed germination.

**Number of Participants:** 28 Members

  
Signature of the Coordinator



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**KAKINADA**

**DEPARTMENT OF BOTANY**

**CERTIFICATE**

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

From \_\_\_\_\_ has completed Four week value added course on  
“Seed Technology” conducted by the Department of Botany, Ideal college of Arts  
and Science(A), Kakinada, from November 2020 to December 2020.

*M. Sulakhana*  
Dr. M. Sulakhana  
Resource Person

*Smt. K. Nimala Rani*  
Smt. K. Nimala Rani  
Co-ordinator

*Dr. K. Jhansi Lakshmi*  
Dr. K. Jhansi Lakshmi  
Principal  
Principal  
Ideal College of Arts & Sciences (A)  
KAKINADA

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

**NOTICE**

**Dt: 09.11.2020**

All the III B. Com Students are here by informed that Department of Commerce is conducting A Six-Week Value added course on “**E-Commerce and Digital Marketing**” from November 2020 to December 2020.

Interested candidates are requested to register their names with Sri V. Nageswara Rao. HOD Commerce and Course coordinator on or before 19.11.2020.



**PRINCIPAL**

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



# IDEAL COLLEGE OF ARTS AND SCIENCES

( *Autonomous & NAAC B* )

**Dr.P.V.N.RAJU VIDYA PRANGANAM**

**Samalkot Road,KAKINADA**

**A Six Week Value Added Course on “E- COMMERCE AND DIGITAL  
MARKETING”**

## **Day Wise Course Schedule**

s.no	Date	Topic
1	20-11-2020	Introduction and definition of E commerce and Digital Marketing
2	21-11-2020	Importance of E commerce and Digital Marketing
3	23-11-2020	Scope of E- Commerce and Digital Marketing
4	24-11-2020	Types of e- commerce B2B , B2C,
5	25-11-2020	C2B, C2C, C2A.
6	26-11-2020	Components of Environmental and Technical Support Aspects
7	27-11-2020	Meaning of internet and intra net
8	28-11-2020	Components internet and intra net
9	30-11-2020	Structure of internet and intra net
10	01-12-2020	Internet vs Intranet
11	02-12-2020	Meaning and Definition of Digital Marketing
12	03-12-2020	importance of Digital Marketing
13	04-12-2020	Meaning traditional online marketing and digital marketing
14	05-12-2020	online marketing vs digital marketing
15	07-12-2020	trends in digital Marketing.
16	08-12-2020	Meaning and definition of website
17	09-12-2020	Objectives of website
18	10-12-2020	components of Website
19	11-12-2020	web site creation
20	12-12-2020	incorporation of design
21	14-12-2020	Student present power point presentation
22	15-12-2020	Debate about offline marketing and online marketing
23	16-12-2020	Student seminars
24	17-12-2020	Quiz competition
25	18-12-2020	Assignment

  
Signature of the Coordinator



## Course Structure & Syllabus

30 hrs

### OBJECTIVES:

- Student should be able to learn the fundamentals of Digital Marketing and E-Commerce to gain the skills needed to land an entry - Level job.
- Attract and engage customers through digital channel like research an email.
- Build E- Commerce stores, analyze online performance and grow customer loyalty

### COURSE OUTCOMES:

After Successful Completion of Value-added Course

- The students have to learn all basic concepts in E-Commerce, Its Business models and how to create a business plan
- Every student has to understand the E-Commerce strategy, technology adoption and its growth
- To learn how the intermediation works in E-Commerce business

### UNIT -I (5 Hours)

Introduction - definition importance and scope of E- Commerce Types of e-commerce B2B, B2C, C2B, C2C, C2A.

### UNIT II - (5 Hours)

Environmental and Technical Support Aspects Technical components - Internet and its components - Internet and its components structures- Internet vs Intranet.

### UNIT III- (5 Hours)

Meaning and importance of Digital Marketing traditional online marketing vs digital marketing trends in digital Marketing.

### UNIT IV- (5 Hours)

Meaning objectives components of Website - web site creation incorporation of design

Prescribed Text Book: E-Commerce Strategy, Technologies and Applications, Whitley, David, Tata McGraw Hill.

Electronic Commerce. , Schneider Gary P. and Perry, James T , Thomson Learning.

E-Commerce: The Cutting Edge of Business, Bajaj, Kamlesh K & Nag, Debjani , McGraw Hill



**IDEAL COLLEGE OF ARTS AND SCIENCES**

**(Autonomous & NAAC B)**

**DEPARTMENT OF COMMERCE  
OFFERING**

**A FIVE WEEK VALUE ADDED COURSE**

**ON**

**"E- COMMERCE AND DIGITAL  
MARKETING"**

**( NOVEMBER 2020- DECEMBER 2020)**

**Resource Person**

**Coordinator**

**Sri Y.R.L.Chowdary  
Lecturer in Commerce  
Ideal College of Arts and  
Sciences(A), Kakinada**

**Sri.V.Nageswara Ra  
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

E- Commerce course refers to the study of online business i.e the online selling ,buying and over all other means doing business that is done online. It provides an immense number of career possibilities for graduates of this course

In recent years, Digital Marketing has exploded on to the marketing scene, and its effects have been anything but small traditional Digital Marketing is the practice of promoting products or services with the help of digital devices and Technology.

## REGISTRATION FORM

Name of the Student : \_\_\_\_\_

Roll No : \_\_\_\_\_

Class : \_\_\_\_\_

Address for

Correspondence : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mobile Number : \_\_\_\_\_

E-mail : \_\_\_\_\_

Signature



# Enrollment Student List

5

S.No	Rollno	Name of the Student	Signature
1	2183002	T. Annapurna	T. Annapurna
2	2183003	P. Babasubrahmanyam	P. B. Subrahmanyam
3	2183007	V. Dhana Babu	V. Dhana babu
4	2183009	A. Durga Prasad	A. Durga Prasad
5	2183010	K. Durga Prasad.	K. Durga Prasad
6	2183013	P. Hari Krishna	P. Hari Krishna
7	2183015	B. J. Arinagh	B. J. Arinagh
8	2183017	T. Krishna Bhaskar	T. K. Bhaskar
9	2183019	Lalith Kumar Jain	L. K. Jain
10	2183020	T. Madhu	T. madhu
11	2183022	K. Mallika	K. mallika
12	2183023	M. Mallikharajuna Rao	M. M. Rao
13	2183027	G. Mounika	G. Mounika
14	2183028	K. Paani	K. Paani
15	2183030	M. Prasanna Kumar	M. P. Kumar
16	2183031	S. Pravanya	S. Pravanya
17	2183032	V. Priyanka	V. priyanka.
18	2183037	D. Ravi Kiran	D. Ravi Kiran
19	2183039	K. S. N. Shashank	K. S. N. Shashank
20	2183044	G. Surya Manikanta	G. Surya Manikanta
21	2183055	K. Venkateswara Rao	K. Venkateswara
22	2183060	J. Parasuramudu.	J. Parasaramudu
23	2183062	Y. Manohar Kanna	Y. Manohar. Kanna
24	2183064	N. Udaya Manikanta	N. U. Manikanta
25	2183068	L. V. V. S. S. Sirisha	L. v. v. s. s. Sirisha
26	2183070	D. Santhosh Kumar	D. Santhosh Kumar
27	2183071	K. Satya Vineel	K. S. Vineel
28	2183072	Y. Sathi Raju	Y. Sathi Raju.
29	2183076	V. Manikanta	V. Manikanta
30	2183077	K. Raja Pratap.	K. Raja Pratap

S.No	Roll No	Name of the Student	Signature
1	2183101	G. A. V. Surya Kumari	G.A.V. Suryakumari
2	2183102	D. Apparna	D. Apparna
3	2183105	P. BUJJI	P. Raj P. Bujji
4	2183107	D. chandra Sekhar	D. Chandra Sekhar
5	2183108	K. Devi	K. Devi
6	2183110	B. Durga Prasad	B. Durga Prasad
7	2183115	P. D. Satya Prasad	P.D.S. prasad
8	2183119	K. Indu	K. Indu
9	2183122	M. Karuna Durga	M.K. Durga
10	2183125	K. Kinneza	K. Kinneza
11	2183127	S. Madhu Babu	S. madhu babu
12	2183130	K. Mani Kanta	K. Mani Kanta
13	2183132	K. Nani Babu	K. Nani Babu
14	2183135	M. Prem Kumar	M. Prem Kumar
15	2183136	L. RAJU	L. RAJU
16	2183139	S. Rama Lakshmi	S. Rama Lakshmi.
17	2183142	M. Sandeep Kumar	M. Sandeep Kumar
18	2183145	S. Satish	S. Satish
19	2183147	S. Siva Ganesh	S. Siva Ganesh
20	2183150	P. Subrahmanyam	P. Subrahmanyam.
21	2183156	S. V. K. Gangadhar	S.V.K. Gangadhar
22	2183161	G. Siva	K. Srinivas
23	2183163	G. Surentra Kumar	G. Surentra Kumar
24	2183164	A. Manikanta	A. Manikanta
25	2183169	K. Ravindra	K. Ravindra
26	2183171	D. Venkatesh Babu	D. Venkatesh Babu
27	2183173	Y. Siva	Y. Siva
28	2183174	Shaik Bilal	Shaik Bilal
29	2183175	S. S. Raja Kumari	S.S. Raja Kumari
30	2183176	K. S. Bhaskara Lakshmi.	K.S. Lakshmi

# Pupils Attendance Register

Sl. No.	Name	Date											
		21/1/20	22/1/20	23/1/20	24/1/20	25/1/20	26/1/20	27/1/20	28/1/20	29/1/20	30/1/20	31/1/20	1/2/20
001	T Anna Ruma	1	1	1	1	1	a	a	1	1	1	1	1
003	P Babu Subrahmanyam	a	1	a	1	a	1	1	1	1	1	1	a
007	V Dhana Babu	1	a	1	1	1	1	a	a	1	1	1	1
009	A Durga Prasad	1	1	a	1	1	1	a	1	1	1	1	1
010	K Durga Prasad	1	1	a	1	1	1	1	1	1	1	1	1
013	P. Hari Krishna	a	1	a	1	1	1	1	1	1	1	1	a
015	B J. Avinash	1	1	1	1	a	a	1	a	1	1	1	a
017	T Krishna Bhaskar	1	a	1	1	1	1	1	1	1	1	1	1
019	Lalith Kumar Jain	a	1	a	1	1	1	a	a	1	1	1	1
020	I Madhu	1	1	1	a	1	1	1	1	1	1	1	1
022	K Mallika	1	1	1	a	1	a	1	a	1	1	1	1
023	M. Mallikarjuna Rao	1	a	1	1	1	1	1	1	1	1	1	1
027	G. Mounika	1	1	1	a	1	a	1	a	1	1	1	1
028	K Panni	a	1	1	1	a	1	a	1	1	1	1	1
030	M. Prasanna Kumar	1	1	1	a	1	a	1	a	1	1	1	1
031	S Pravanya	1	a	a	1	1	1	1	1	a	1	1	1
032	V Priyanka	1	1	1	1	1	1	a	1	a	1	a	a
037	D Ravi Kiran	1	1	1	a	1	1	1	a	1	1	1	a
039	K. S. N. Shashank	a	1	1	1	1	1	1	1	1	1	1	a
044	G. Surya Manikanta	1	1	a	1	1	a	1	a	1	1	1	1
055	K Venkateswara Rao	1	1	1	1	1	1	1	1	a	1	1	a
060	J. Parasuramudu	1	1	1	1	a	1	a	1	a	1	1	1
062	Y. Manohar Kanha	a	1	1	1	1	a	1	1	1	1	1	a
064	N. Udaya Manikanta	1	1	1	a	1	1	1	1	a	1	1	a
068	L. V. V. S. S. Sirisha	1	1	1	1	1	1	1	1	1	1	1	1
070	D. Santhosh Kumar	1	a	a	1	1	1	1	a	a	1	a	1
071	K. Satya Vineel	a	1	1	1	1	1	1	a	1	1	1	a
073	Y. Sathi Raju	1	1	a	1	1	1	1	1	1	1	1	a
076	V. Manikanta	1	1	1	1	1	1	1	a	1	1	1	1
077	K. Raja Pratap	1	a	1	a	1	a	1	1	1	a	1	1

Sl. No.	Name	Date											
		21/1/20	22/1/20	23/1/20	24/1/20	25/1/20	26/1/20	27/1/20	28/1/20	29/1/20	30/1/20	31/1/20	1/2/20
001	T Anna Ruma	a	1	1	a	1	1	1	1	1	1	1	a
003	P Babu Subrahmanyam	1	a	1	1	1	1	1	1	1	1	1	a
007	V Dhana Babu	a	1	1	1	1	1	1	1	1	1	1	1
009	A Durga Prasad	1	1	1	1	1	1	1	1	1	1	1	1
010	K Durga Prasad	1	1	1	1	1	1	1	1	1	1	1	a
013	P. Hari Krishna	1	a	a	1	1	1	1	1	1	1	1	1
015	B J. Avinash	1	1	1	1	1	1	1	1	1	1	1	1
017	T Krishna Bhaskar	a	1	1	1	1	1	1	1	1	1	1	a
019	Lalith Kumar Jain	1	1	1	1	1	1	1	1	1	1	1	1
020	I Madhu	1	1	1	1	1	1	1	1	1	1	1	1
022	K Mallika	1	1	1	1	1	1	1	1	1	1	1	a
023	M. Mallikarjuna Rao	1	1	1	1	1	1	1	1	1	1	1	1
027	G. Mounika	1	1	1	1	1	1	1	1	1	1	1	1
028	K Panni	a	1	1	1	1	1	1	1	1	1	1	1
030	M. Prasanna Kumar	1	1	1	1	1	1	1	1	1	1	1	a
031	S Pravanya	1	1	1	1	1	1	1	1	1	1	1	1
032	V Priyanka	1	1	1	1	1	1	1	1	1	1	1	1
037	D Ravi Kiran	1	1	1	1	1	1	1	1	1	1	1	1
039	K. S. N. Shashank	a	1	1	1	1	1	1	1	1	1	1	a
044	G. Surya Manikanta	a	1	1	1	1	1	1	1	1	1	1	1
055	K Venkateswara Rao	1	1	1	1	1	1	1	1	1	1	1	1
060	J. Parasuramudu	1	1	1	1	1	1	1	1	1	1	1	1
062	Y. Manohar Kanha	1	1	1	1	1	1	1	1	1	1	1	a
064	N. Udaya Manikanta	1	1	1	1	1	1	1	1	1	1	1	1
068	L. V. V. S. S. Sirisha	1	1	1	1	1	1	1	1	1	1	1	1
070	D. Santhosh Kumar	1	a	a	1	1	1	1	a	a	1	a	1
071	K. Satya Vineel	a	1	1	1	1	1	1	a	1	1	1	a
073	Y. Sathi Raju	1	1	a	1	1	1	1	1	1	1	1	a
076	V. Manikanta	1	1	1	1	1	1	1	a	1	1	1	1
077	K. Raja Pratap	1	1	1	1	1	1	1	1	1	1	1	a

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Date: \_\_\_\_\_  
Page: \_\_\_\_\_



# Pupils Attendance Register

Sl. No.	Name	Date											
		20/11/20	21/11/20	22/11/20	23/11/20	24/11/20	25/11/20	26/11/20	27/11/20	28/11/20	29/11/20	30/11/20	01/12/20
102	G. A. V. Eurya Kumar	/	/	/	/	/	/	/	/	/	/	/	/
102	D. Appama	/	/	/	/	/	/	/	/	/	/	/	/
105	P. Buzzi	/	/	/	/	/	/	/	/	/	/	/	/
107	D. Chandan Sekhar	/	/	/	/	/	/	/	/	/	/	/	/
108	K. Devi	/	/	/	/	/	/	/	/	/	/	/	/
110	B. Durga Prasad	/	/	/	/	/	/	/	/	/	/	/	/
115	P. D. Saiya Prasad	/	/	/	/	/	/	/	/	/	/	/	/
119	K. Indu	/	/	/	/	/	/	/	/	/	/	/	/
122	M. Karuna Durga	/	/	/	/	/	/	/	/	/	/	/	/
125	K. Kinneta	/	/	/	/	/	/	/	/	/	/	/	/
127	S. Madhu Babu	/	/	/	/	/	/	/	/	/	/	/	/
130	K. Hari Kanta	/	/	/	/	/	/	/	/	/	/	/	/
132	K. Nani Babu	/	/	/	/	/	/	/	/	/	/	/	/
135	H. Prem Kumar	/	/	/	/	/	/	/	/	/	/	/	/
136	L. Raju	/	/	/	/	/	/	/	/	/	/	/	/
139	S. Rama Lakshmi	/	/	/	/	/	/	/	/	/	/	/	/
142	M. Sandeep Kumar	/	/	/	/	/	/	/	/	/	/	/	/
145	S. Satish	/	/	/	/	/	/	/	/	/	/	/	/
147	S. Siva Ganes	/	/	/	/	/	/	/	/	/	/	/	/
150	P. Subrahmanjam	/	/	/	/	/	/	/	/	/	/	/	/
156	S. V. K. Gangadhar	/	/	/	/	/	/	/	/	/	/	/	/
161	G. Siva	/	/	/	/	/	/	/	/	/	/	/	/
163	G. Suresh Kumar	/	/	/	/	/	/	/	/	/	/	/	/
164	A. Hanikanta	/	/	/	/	/	/	/	/	/	/	/	/
169	K. Ravindra	/	/	/	/	/	/	/	/	/	/	/	/
171	D. Venkatesh Babu	/	/	/	/	/	/	/	/	/	/	/	/
173	Y. Siva	/	/	/	/	/	/	/	/	/	/	/	/
174	Shaik Bilal	/	/	/	/	/	/	/	/	/	/	/	/
175	S. S. Raja Kumar	/	/	/	/	/	/	/	/	/	/	/	/
176	K. S. BhaSkata Lakshmi	/	/	/	/	/	/	/	/	/	/	/	/

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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 Five-week Value-Added Course on E-Commerce  
and Digital Marketing

Organized by Department of Commerce

(November 2021 – December 2021)

**Resource Person** : Sri Y.R.L. Chowdary,  
Assistant Professor of Commerce,  
Ideal College of Arts & Sciences (A),  
Kakinada Email :

**Contract Number : 995923555**

**Coordinator** : Sri. V.Nageswara Rao,  
Assistant Professor of Commerce  
Ideal College of Arts & Sciences  
(A), KakinadaEmail.:  
[vnrcomm@gmail.com](mailto:vnrcomm@gmail.com)  
Contact Number: 9849390413

### Objective:

- Student should able to learn the fundamentals of Digital Marketing and E- Commerce to gain the skills needed to land an entry – Level job.
- Attract and engage customers through digital channel like research an email.
- Build E- Commerce stores, analyze online performance and grow customer loyalty.

### Course out comes :

- The students have to learn all basic concepts in E-Commerce, Its Business models and how to create a business plan
- Every student has to understand the E-Commerce strategy, technology adoption and its growth
- To learn how the intermediation works in E-Commerce business

**Topics Covered :**  
**25 Hours**

**UNIT -I (5 Hours)**

**Introduction to E- Commerce and Digital Marketing :**

Introduction – definition importance and scope of E- Commerce Types of e-commerce B2B, B2C, C2B, C2C, C2A.

**UNIT-II (5 Hours)**

**Environmental and technical Components :**

Environmental and Technical Support Aspects Technical components – Internet and its components – Internet and its components structures- Internet vs Intranet.

**UNIT –III (5 Hours)**

**Digital Marketing :**

Meaning and importance of Digital Marketing traditional online marketing vs digital marketing trends in digital Marketing.

**UNIT –IV (5 Hours)**

**Web site development**

Meaning objectives components of Website – web site creation incorporation of design

**Co- Curricular Activities (5 Hours)**

Seminar/ Quiz /Assignment

**Suggested Readings:**

1. E-Commerce Strategy, Technologies and Applications, Whitley, David, Tata McGrawHill.
2. Electronic Commerce. , Schneider Gary P. and Perry, James T ,Thomson Learning.

**Student Activities :**

1. Product photography shooting product photography.
2. Monitoring and evaluating website traffic and key figures.

  
Signature of the Coordinator





**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**KAKINADA**

**DEPARTMENT OF COMMERCE**

**CERTIFICATE**

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

From \_\_\_\_\_ has completed Six week value added course on  
“E-Commerce and Digital Marketing” conducted by the Department of  
Commerce, Ideal College of Arts and Science(A), Kakinada, from November 2020  
to December 2020.

  
Sri. Y.R.L. Chowdary  
Resource Person

  
Sri V. Nageswara Rao  
Co-ordinator

  
Dr. K. Jhansi Lakshmi  
Principal  
Principal  
Ideal 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**

**Date:** 09.11.2020

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 "**Comparative Anatomy and Functional organization of Invertebrates and Vertebrates**" from November2020 to December 2020.

Interested candidates are requested to register their names with Sri Y. Ayyanna, Assistant Professor of Zoology and Course Coordinator on or before 20.11.2020.

  
PRINCIPAL

Principal  
Ideal College of Arts & Sciences (A)  
KAKINADA

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

**DEPARTMENT OF ZOOLOGY**

Value added Course for the year 2020-2021

**A Four Week Value Added Course on “COMPARATIVE ANATOMY  
AND FUNCTIONAL ORGANIZATION OF INVERTEBRATES AND  
VERTEBRATES”**

**Day Wise Course Schedule**

<b>S.No</b>	<b>Date</b>	<b>Topic</b>
1.	25-11-2020	Origin of coelom
2.	26-11-2020	Acoelomates, Pseudocoelomates
3.	27-11-2020	Prostomia and Deuterostomia
4.	29-11-2020	Excretion
5.	30-11-2020	Coelomoducts
6.	01-12-2020	Vertebrate integument and its derivatives
7.	02-12-2020	general structure and function of skin and its derivatives
8.	03-12-2020	General plan of circulation in various groups
9.	04-12-2020	Blood
10.	06-12-2020	Evolution of heart
11.	07-12-2020	Evolution of aortic arches and portal systems
12.	08-12-2020	Nervous system and Urino-genital system



13.	09-12-2020	Evolution of urino-genital system in vertebrates
14.	10-12-2020	Comparative anatomy of the brain
15.	14-12-2020	Electric organs & Receptors
16.	15-12-2020	Simple receptors- types of Receptors
17.	16-12-2020	Lateral line system
18.	17-12-2020	organs of fish
19.	18-12-2020	Neuromast organs
20.	19-12-2020	Electric organs
21.	20-12-2020	Electroreception
22.	21-12-2020	Ampullary and Tuberous receptors
23.	22-12-2020	Nerves-cranial
24.	27-12-2020	peripheral and autonomous nervous systems
25.	28-12-2020	Primary and secondary receptors
26.	29-12-2020	Organs of Olfaction and taste
27.	30-12-2020	Simple receptors
28.	31-12-2020	Urino-genital system
29.	14-12-2020	Student Seminar
30.	15-12-2020	Review of the Value added course

  
 Signature of the Coordinator

## Course Structure & Syllabus

30 hrs

### OBJECTIVES:

- Define the terms 'vertebrate' and 'invertebrate'
- Compare and contrast vertebrates and invertebrates.
- Recognize vertebrates and invertebrates by observing their skeletons.

### COURSE OUTCOMES:

- This course teaches the basic anatomy and physiology of human body.
- 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.

#### Unit - I

1.0. Origin of coelom

1.1. Acoelomates, Pseudocoelomates

1.2. Coelomates: Protostomia and Deuterostomia

2.0. Excretion Organs of excretion: Coelom, Coelomoducts, Nephridia and Malpighian tubules.

2.2. Mechanism of excretion.

#### Unit - II

3.0. Vertebrate integument and its derivatives

3.1. Development, general structure and function of skin and its derivatives

3.2. Glands, scales, horns, claws, nails, hoofs, feathers and hairs

4.0. General plan of circulation in various groups

4.1. Blood

4.2. Evolution of heart

4.3. Evolution of aortic arches and portal systems

#### Unit - III :

5.0. Nervous system and Urino-genital system.

5.1. Evolution of urino-genital system in vertebrates.

5.2. Comparative anatomy of the brain in relation to its functions.

5.3. Nerves-cranial, peripheral and autonomous nervous systems.

6.0 Electric organs & Receptors.

6.1. Simple receptors- types of Receptors, Primary and secondary receptors.

6.2. Chemoreception- Organs of Olfaction and taste

6.3. Lateral line system and lateral line organs of fish- Neuromast organs.

6.4. Electric organs & Electroreception- Ampullary and Tuberous receptors.

#### Prescribed Text Book :

COMPARATIVE ANATOMY AND FUNCTIONAL ORGANIZATION  
OF INVERTEBRATES AND VERTEBRATES:



## IDEAL COLLEGE OF ARTS AND SCIENCES

(AP. Govt. Aided Autonomous &  
NAAC B)

DEPARTMENT OF ZOOLOGY  
OFFERING

A FOUR WEEK VALUE ADDED COURSE

ON

“COMPARATIVE ANATOMY AND FUNCTIONAL ORGANIZATION  
OF INVERTEBRATES AND VERTEBRATES”

(November 2020 - December 2020)

### Coordinator

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

### Resource Person

Dr. M. Vijaya Santhi  
Assistant Professor of  
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 centrifugesand a good musium.

## About the Course

Greek physician known for his comparative study of animals. Carried out experiments to understand kidney function, movement of blood through arteries. Book on Anatomical Preparations was accepted for nearly 1400 years as the Western Worlds. most authoritative reference on medical anatomy

## REGISTRATION FORM

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

Signature



# IDEAL COLLEGE OF ARTS AND SCIENCES

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

Dr. P.V.N. RAJU VIDYAPRANGANAM

SAMALKOT ROAD, KAKINADA

## DEPARTMENT OF ZOOLOGY

Value added Course for the year 2020-2021

### Comparative Anatomy and Functional organization of Invertebrates and Vertebrates

S.No	Roll Number	Name of the Student	Signature
1.	2182501	Amaradi Anjali	Amaradi Anjali
2.	2182505	K. Hari	K. Hari
3.	2182512	B. Praveen Kumar	B. Praveen Kumar
4.	2182513	T. Raghavendra	T. Raghavendra
5.	2182520	M. Suresh Kumar	M. Suresh Kumar
6.	2182527	M. Rizawaind	M. Rizawaind
7.	2182530	Y. Sri Naga Chandra	Y. Sri Naga Chandra
8.	2182531	B. Krishna Nagendra Kumar	B. Krishna Nagendra Kumar
9.	2182532	K. Malleswari	K. Malleswari
10.	2182605	G. Naga Durga Babu	G. Naga Durga Babu
11.	2182607	B. Sri Durga Srinivasu	B. S. D. Srinivasu
12.	2182611	A. Siva Sai Ram	A. Siva Sai Ram
13.	2200402501	G. Bhavani	G. BHAVANI
14.	2200402539	P. Lahari Satya Sri	P. Lahari Satya Sri
15.	2200402524	J. Poornima	J. Poornima
16.	2200402518	K. Manvitha Keerthana	K. M. Keerthana
17.	2200402507	Chakka Gowthami	Chakka Gowthami

18.	2200402519	T. Mounika	T. Mounika
19.	2200402506	V. Guna Sekhar	V Guna Sekhar
20.	2200402531	Jaya Suresh	Jaya Suresh
21.	2200402624	Nama Swamy	Nama Swamy
22.	2192603	Pedireddi Anirudh	Pedireddi Anirudh
23.	2192606	M. Archana	M. Archana
24.	2192609	B. Ganga Raju	B. Ganga Raju
25.	2192617	P. Naveen Kumar	P. Naveen Kumar
26.	2192619	Reddy Raju	Reddy Raju
27.	2192622	P. Sanjay	P. Sanjay
28.	2192620	Beera Rajesh	Beera Rajesh
29.	2192624	K. Siva	K. Siva
30.	2192625	P. Somi Reddy	S. Somi Reddy
31.	2192502	P. Ajith Kumar	P. Ajith Kumar
32.	2192506	G. Aruna	G. Aruna
33.	2192643	P.S.D. Prasad	P.S.D Prasad
34.	2192530	A. Rama Prasad	A. Rama Prasad
35.	2192533	P. Ramana Reddy	P. Ramana Reddy
36.	2192534	D Ramanayya	D. Ramanayya
37.	2192539	Usharam	Usharam
38.	2192602	V. Akshaya	V. Akshaya
39.	2192603	P. Anirudh	P. Anirudh
40.	2192608	P. Durga Kumar	P. Durga Kumar
41.	2192618	G. Nayana	G. Nayana
42.	2192627	N. Surendra	N. Surendra
43.	2192629	K. Syam sudheer	K. Syam Sudheer
44.	2192630	S. Vandana	S. Vandana
45.	2192631	V. Jyothika	V. Jyothika

46.	2192632	S. Veera Varahalu	S. Veera Varahalu
47.	2192529	N. Raju	N. Raju.
48.	2192513	Durga Prasad	Durga prasad



Handwritten student details including name, roll number, and date.

Handwritten list of 16 names and their corresponding marks for the exam.

Handwritten student details including name, roll number, and date.

Handwritten list of 16 names and their corresponding marks for the exam.

IDEAL COLLEGE OF ARTS AND SCIENCE (A) - KAKINADA.

11	2019/2503	Charya	Chandrabati	P	P	P	P	P	P	P	P	P	P	P	P
12	2019/2504	Vatavadi	Manjima	P	P	P	P	P	P	P	P	P	P	P	P
13	2019/2506	Vani	Bhava Kumari	P	P	P	P	P	P	P	P	P	P	P	P
14	2019/2531	Togari	Suresh	P	P	P	P	P	P	P	P	P	P	P	P
15	2019/2534	Nara	Suresh	P	P	P	P	P	P	P	P	P	P	P	P
16	2019/2535	Pedamudi	Prasanna	P	P	P	P	P	P	P	P	P	P	P	P
17	2019/2536	Madhavi	Prasanna	P	P	P	P	P	P	P	P	P	P	P	P
18	2019/2539	Prasanna	Garganathi	P	P	P	P	P	P	P	P	P	P	P	P
19	2019/2540	Pedapadu	Prasanna	P	P	P	P	P	P	P	P	P	P	P	P
20	2019/2549	Reddy	Prasanna	P	P	P	P	P	P	P	P	P	P	P	P
21	2019/2552	Pallavi	Sarika	P	P	P	P	P	P	P	P	P	P	P	P
22	2019/2553	Bhava	Prasanna	P	P	P	P	P	P	P	P	P	P	P	P
23	2019/2554	Krishna	Shiva	P	P	P	P	P	P	P	P	P	P	P	P
24	2019/2555	Pallavi	Prasanna	P	P	P	P	P	P	P	P	P	P	P	P
25	2019/2557	P. Prasad	Kumar	P	P	P	P	P	P	P	P	P	P	P	P
26	2019/2558	Ganesh		P	P	P	P	P	P	P	P	P	P	P	P

IDEAL COLLEGE OF ARTS AND SCIENCE (A), KAKINADA

1				P	P	P	P	P	P	P	P	P	P	P	P
2				P	P	P	P	P	P	P	P	P	P	P	P
3				P	P	P	P	P	P	P	P	P	P	P	P
4				P	P	P	P	P	P	P	P	P	P	P	P
5				P	P	P	P	P	P	P	P	P	P	P	P
6				P	P	P	P	P	P	P	P	P	P	P	P
7				P	P	P	P	P	P	P	P	P	P	P	P
8				P	P	P	P	P	P	P	P	P	P	P	P
9				P	P	P	P	P	P	P	P	P	P	P	P
10				P	P	P	P	P	P	P	P	P	P	P	P
11				P	P	P	P	P	P	P	P	P	P	P	P
12				P	P	P	P	P	P	P	P	P	P	P	P
13				P	P	P	P	P	P	P	P	P	P	P	P
14				P	P	P	P	P	P	P	P	P	P	P	P
15				P	P	P	P	P	P	P	P	P	P	P	P
16				P	P	P	P	P	P	P	P	P	P	P	P
17				P	P	P	P	P	P	P	P	P	P	P	P
18				P	P	P	P	P	P	P	P	P	P	P	P
19				P	P	P	P	P	P	P	P	P	P	P	P
20				P	P	P	P	P	P	P	P	P	P	P	P
21				P	P	P	P	P	P	P	P	P	P	P	P
22				P	P	P	P	P	P	P	P	P	P	P	P
23				P	P	P	P	P	P	P	P	P	P	P	P
24				P	P	P	P	P	P	P	P	P	P	P	P
25				P	P	P	P	P	P	P	P	P	P	P	P
26				P	P	P	P	P	P	P	P	P	P	P	P
27				P	P	P	P	P	P	P	P	P	P	P	P
28				P	P	P	P	P	P	P	P	P	P	P	P
29				P	P	P	P	P	P	P	P	P	P	P	P
30				P	P	P	P	P	P	P	P	P	P	P	P
31				P	P	P	P	P	P	P	P	P	P	P	P
32				P	P	P	P	P	P	P	P	P	P	P	P









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

**VALUE ADDED COURSE REPORT**

**A fourweek Value-added Course on “COMPARATIVE ANATOMY AND FUNCTIONAL ORGANIZATION OF INVERTEBRATES AND VERTEBRATES” organized by Department of Zoology**

**(November 2020 – December 2020)**

**Resource Person** : Dr. M. Vijaya Santhi  
Assistant Professor of Zoology  
Ideal College of Arts and Sciences(A),  
Kakinada  
E-mail Id: vijayasanthi.matha@gmail.com  
Contact Number: 7702467386

**Coordinator** : Sri Y. Ayyanna  
Assistant Professor of Zoology  
Ideal College of Arts and Sciences(A),  
Kakinada  
E-mail Id: ayyannayandamuri@gmail.com  
Contact Number: 9948245458

**Objectives:**

- Define the terms 'vertebrate' and 'invertebrate'
- Compare and contrast vertebrates and invertebrates.
- Recognize vertebrates and invertebrates by observing their skeletons.

**Topics Covered:**

**Unit – I**

- 1.0. Origin of coelom
  - 1.1. Acoelomates, Pseudocoelomates
  - 1.2. Coelomates: Prostomia and Deuterostomia
- 2.0. Excretion
  - 2.1. Organs of excretion: Coelom, Coelomoducts, Nephridia and Malphigian tubules.

2.2 Mechanism of excretion.

### **Unit – II**

3.0. Vertebrate integument and its derivatives

3.1. Development, general structure and function of skin and its derivatives

3.2. Glands, scales, horns, claws, nails, hoofs, feathers and hairs

4.0. General plan of circulation in various groups

4.1. Blood

4.2. Evolution of heart

4.3. Evolution of aortic arches and portal systems

### **Unit – III :**

5.0. Nervous system and Urino-genital system.

5.1. Evolution of urino-genital system in vertebrates.

5.2. Comparative anatomy of the brain in relation to its functions.

5.3. Nerves-cranial, peripheral and autonomous nervous systems.

6.0. Electric organs & Receptors.

6.1. Simple receptors- types of Receptors, Primary and secondary receptors.

6.2. Chemoreception- Organs of Olfaction and taste

6.3. Lateral line system and lateral line organs of fish- Neuromast organs.

6.4. Electric organs & Electroreception- Ampullary and Tuberous receptors.

### **Outcomes of the Course:**

This course teaches the basic anatomy and physiology of human body.

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.

**Number of Participants:** 48Members

  
**Signature of the Coordinator**



**IDEAL COLLEGE OF ARTS AND SCIENCES**  
(AP. Govt. Aided, 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  
**“Comparative Anatomy and Functional organization of Invertebrates and  
Vertebrates”** conducted by the Department of Zoology, Ideal College of Arts and  
Science(A), Kakinada, from November 2020 to December 2020.

**Smt. M. VijayaSanthi**  
**Resource Person**

**Sri Y. Ayyanna**  
**Coordinator**

**Dr. K. Jhansi Lakshmi**  
**Principal**

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



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

**NOTICE**

**Dt.15.11.2020.**

All the I B.A students are hereby informed that Department of Economics conducting A Four – week value added course on “**International Trade**” from November 2020 to December, 2020.

Interested candidates are requested to register their names with Dr. G. Steeven Raju, HOD Economics and Course Coordinator on or before 24.11.2020.

  
PRINCIPAL

Principal  
Ideal College of Arts & Sciences (A)  
KAKINADA

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

**DEPARTMENT OF ECONOMICS**

Value added Course for the year 2020-2021

**A Four Week Value Added Course on “International Trade”**

**Day Wise Course Schedule**

<b>S.No</b>	<b>Date</b>	<b>Topic</b>
1.	25-11-2020	Theories of International Trade
2.	26-11-2020	Inter-regional and International trade
3.	27-11-2020	Importance of International Trade
4.	29-11-2020	Theories of International Trade
5.	30-11-2020	Assignment – I
6.	01-12-2020	Student Seminar
7.	02-12-2020	Absolute advantage
8.	03-12-2020	comparative costs and Hecksher-Ohlin theory
9.	04-12-2020	Trade as an engine of economic growth.
10.	06-12-2020	terms of trade.
11.	07-12-2020	Tariffs and Balance of Payments
12.	08-12-2020	Meaning and Definitions of Tariffs
13.	09-12-2020	Tariffs and Quotas
14.	10-12-2020	Types of Tariffs concept of optimum tariff

15.	13-12-2020	Balance of Trade and Balance of Payments
16.	14-12-2020	Assignment – II
17.	15-12-2020	Dis-equilibrium in Balance of Payments.
18.	16-12-2020	Measure to Correct Dis-equilibriums.
19.	17-12-2020	Foreign Trade in India
20.	18-12-2020	Study hour
21.	19-12-2020	Student seminar
22.	20-12-2020	Import Substitutions export promotion Policy
23.	21-12-2020	Recent EXIM Policy
24.	22-12-2020	Foreign Direct investment in India
25.	27-12-2020	IMF Impact of India
26.	28-12-2020	IBRO Impact of India
27.	29-12-2020	WTO Impact of India
28.	30-12-2020	Assignment - III
29.	31-12-2020	Review



**Signature of the Coordinator**



## Course Structure & Syllabus

### OBJECTIVES:

To earn profits by selling as much as possible products and services to collect the maximum revenue. International trade caters to this very objective. Access to international markets, there results in an expansion in the consumer base of a company's products or services.

### COURSEOUTCOMES:

After Successful Completion of Value-added Course

International trade allows countries to expand their markets and access goods and services that otherwise may not have been available domestically. As a result of international trade, the market is more competitive. This ultimately results in more competitive pricing and brings a cheaper product home to the consumer.

### UNIT I

Theories of International Trade:

Inter-regional and International trade; Importance of International Trade – Theories of International Trade.

### UNIT II

Absolute advantage; comparative costs and Hecksher-Ohlin theory, Trade as an engine of economic growth – terms of trade.

### UNIT III

Tariffs and Balance of Payments:

Tariffs and Quotas – Meaning and Definitions of Tariffs – Types of Tariffs concept of optimum tariff. Balance of Trade and Balance of Payments.

### UNIT IV

Dis-equilibrium in Balance of Payments. Measure to Correct Diservilibriums.

### UNIT V

Foreign Trade in India:

Import Substitutions export promotion Policy, Recent EXIM Policy, Foreign Direct investment in India, IMF, IBRO, WTO – Impact of India

Co-Curricular Activities: Student Seminar, Assignment, Practice

Prescribed Text Book: B.O. Soderston



IDEAL COLLEGE OF ARTS AND  
SCIENCES

(AP. Govt. Aided Autonomous &  
NAAC B)

DEPARTMENT OF ECONOMICS  
OFFERING

**A FOUR WEEK VALUE ADDED COURSE**

ON

**“INTERNATIONAL TRADE”**

**November 2020 – December 2020**

**Coordinator**

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

**Resource Person**

Dr. V.V.S. Rama Krishna  
Assistant Professor of Economics  
School of Economics  
Andhra University

**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 Course

International trade, economic transactions that are made between countries. Among the items commonly traded are consumer goods, such as television sets and clothing; capital goods, such as machinery; and raw materials and food.

## REGISTRATION FORM

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

Signature



# IDEAL COLLEGE OF ARTS AND SCIENCES

(AP. Govt. Aided Autonomous, NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM

SAMALKOT ROAD, KAKINADA

## DEPARTMENT OF ECONOMICS

Value added Course for the year 2020-2021

### List of Students

S.No	Roll Number	Name of the Student	Signature
1.	2200401021	LOVA SAI RAM MIRIYALA	M. L. S. Ran
2.	2200401022	MAHA LAKSHMI KURAKULA	K. M. Laxesh
3.	2200401023	MANIKANTA BATTETI	B. Manikanta
4.	2200401024	MOHAMMED JAKEER	F. Nishu
5.	2200401026	NAVEEN DARA	D. Naveen
6.	2200401027	NEELA VENI KARRI	K. N. Veni
7.	2200401028	PAVANI JYOTHI KUNISSETTY	K. P. Jyothi
8.	2200401029	PRABHU SAI TEJA PUPPALA	P. P. S. Teja
9.	2200401030	PRASAD PYLA	P. Prasad
10.	2200401031	RAJESH BOGGU	B. Rajesh
11.	2200401032	RAMA DEVI SEELAM	S. R. Devi
12.	2200401033	RAMESH DUNGA	D. Ramesh
13.	2200401041	SESHU MOSA	M. Seshu
14.	2200401042	SIVA GANGADHAR KOSURI	K. S. Gangadhar
15.	2200401043	SIVA KUMAR REDDI	R. S. Kumar
16.	2200401044	SIVA NALLAMATI	N. Siva
17.	2200401045	SRI LAKSHMI KHANDAVALLI	K. S. Laxmi
18.	2200401046	SRINU DARA	D. Srinu
19.	2200401047	SURESH BHEEPALLI	B. Suresh
20.	2200401048	SURESH MURRE	M. Suresh



నెల..... June .....  
 సంవత్సరము..... 2020-2021

# Pupils Attendance Register

1	2	3	4	5												
				1	2	3	4	5	6	7	8	9	10	11	12	13
అడ్మిషన్ నెంబర్	వ. నెం.	పేరు	కులము	1	2	3	4	5	6	7	8	9	10	11	12	13
1021	1	M.L.s. Ram		P	P	P	P	P	P	P	P	P	P	P	P	P
1022	2	K. Maha lakshmi.		P	P	P	P	P	P	A	P	P	P	P	P	P
1023	3	B. Manikanta.		P	P	P	P	P	P	P	P	P	P	P	P	P
1024	4	M. Mohamed.		P	P	P	A	P	P	P	P	P	P	P	P	P
1025	5	D. Naveen.		P	P	P	P	P	P	P	P	P	P	P	P	P
1027	6	K. Neelaveni.		P	P	P	P	P	P	P	A	P	P	P	P	P
1028	7	K. Pavani jyothi.		P	P	P	P	P	P	P	P	P	P	P	P	P
1029	8	P. P. sai Teja:		P	P	P	P	P	P	P	A	P	P	P	P	P
1030	9	P. Prasad.		P	P	P	P	A	P	P	P	P	P	P	P	P
1031	10	B. Rajesh.		P	P	P	P	P	P	P	P	P	P	P	P	P
1032	11	S. R. Devi.		P	A	P	P	P	P	P	P	P	P	P	P	P
1033	12	D. Ramesh.		P	P	P	P	P	P	P	A	P	P	P	P	P
1041	13	M. Seshu.		P	P	P	P	P	P	P	P	P	P	P	P	P
1042	14	K. s. Gangadhar.		P	P	P	P	P	P	P	A	P	P	P	P	P
1043	15	R. s. Kumar.		P	P	P	P	P	P	P	P	P	P	P	P	P
1044	16	N. siva.		P	P	P	P	A	P	P	P	P	P	P	P	P
1045	17	K. s. Lakshmi		P	P	P	P	P	P	P	A	P	P	P	P	P
1046	18	D. Srinu.		P	P	P	P	A	P	P	P	P	P	P	P	P
1047	19	B. suresh		P	P	P	P	P	P	P	P	P	P	P	P	P
1048	20	M. suresh.		A	P	P	P	P	A	P	P	P	P	P	P	P

*(Handwritten signature)*



**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 “International Trade” organized by  
Department of Economics**

**(November 2020 – December 2020)**

**Resource Person** : Dr. V.V.S. Rama Krishna  
Assistant Professor of Economics  
School of Economics  
Andhra University

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

**Objectives:**

To earn profits by selling as much as possible products and services to collect the maximum revenue. International trade caters to this very objective. Access to international markets, there results in an expansion in the consumer base of a company's products or services.

**Topics Covered:**

**UNIT I**

Theories of International Trade:

Inter-regional and International trade; Importance of International Trade –  
Theories of International Trade.



## UNIT II

Absolute advantage; comparative costs and Hecksher-Ohlin theory, Trade as an engine of economic growth – terms of trade.

## UNIT III

Tariffs and Balance of Payments:

Tariffs and Quotas – Meaning and Definitions of Tariffs – Types of Tariffs concept of optimum tariff. Balance of Trade and Balance of Payments.

## UNIT IV

Dis-equilibrium in Balance of Payments. Measure to Correct Diservilibriums.

## UNIT V

Foreign Trade in India:

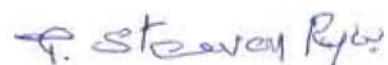
Import Substitutions export promotion Policy, Recent EXIM Policy, Foreign Direct investment in India, IMF, IBRO, WTO – Impact of India

### **Outcomes of the Course:**

After Successful Completion of Value-added Course

International trade allows countries to expand their markets and access goods and services that otherwise may not have been available domestically. As a result of international trade, the market is more competitive. This ultimately results in more competitive pricing and brings a cheaper product home to the consumer.

**Number of Participants:** 20 Members



**Signature of the Coordinator**





**IDEAL COLLEGE OF ARTS AND SCIENCES**  
(AP. Govt. Aided 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  
“**International Trade**” conducted by the Department of Economics, Ideal College  
of Arts and Science(A), Kakinada, from June 2021 to July 2021.

*G. Steeven Raju*  
**Dr. G. Steeven Raju**  
**Co-ordinator**

*K. Jhansi Lakshmi*  
**Dr. K. Jhansi Lakshmi**  
**Principal**  
Principal  
Ideal College of Arts & Sciences (A)  
KAKINADA



**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**KAKINADA**

**NOTICE**

**Dt: 25.11.2020**

All the I B.Sc., students are here by informed that Department of Chemistry is conducting A four-week value added course on "**Industrial Chemistry**" from December 2020 – January 2021.

Interested candidates are requested to register their names with Dr. Ch. Praveen, HOD, Chemistry and Course Coordinator on or before 30.11.2020.

*K. Thirumala*  
**PRINCIPAL**  
Principal  
Ideal College of Arts & Sciences (A)  
KAKINADA

**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**SAMALKOT ROAD, KAKINADA**

**DEPARTMENT OF CHEMISTRY**

Value added Course for the year (2020-2021)

**Industrial Chemistry**

**Day Wise Course Schedule**

<b>S.No</b>	<b>Date</b>	<b>Topic</b>
1.	02.12.2020	introduction of industrial chemistry
2.	03.12.2020	Different types of fertilizers
3.	04.12.2020	Manufacture of Urea
4.	05.12.2020	Manufacture of Ammonium nitrate
5.	07.12.2020	Manufacture of Calcium ammonium nitrate
6.	08.12.2020	Manufacture of Ammonium phosphates
7.	09.12.2020	Manufacture of Polyphosphate, Superphosphate
8.	10.12.2020	Compound and mixed fertilizers
9.	11.12.2020	Importance of Ceramics.
10.	12.12.2020	Types of Ceramics
11.	14.12.2020	Uses of Ceramics
12.	15.12.2020	Manufacture of Ceramics
13.	16.12.2020	High technology ceramics and their applications



14.	17.12.2020	Classification of cement
15.	18.12.2020	Role of cement
16.	19.12.2020	Manufacture of cement
17.	21.12.2020	Setting process of cement
18.	22.12.2020	Quick setting of cements
19.	23.12.2020	Introduction of Pulp and Paper.
20.	28.12.2020	Manufacture of pulp
21.	29.12.2020	Manufacture of Paper
22.	04.01.2021	Manufacture of sulphate
23.	05.01.2021	Manufacture of Kraft pulp
24.	06.01.2021	Manufacture of soda pulp
25.	07.01.2021	Manufacture of sulphite pulp, rag pulp
26.	08.01.2021	Beating, refining of Paper
27.	09.01.2021	colouring of pulp
28.	18.01.2021	filling, sizing of Paper
29.	19.01.2021	Students Seminars
30.	20.01.2021	Review of Value added Course

  
 Signature of the Coordinator

## Course Structure & Syllabus

30 hrs

### OBJECTIVES:

To provide students with a thorough grounding in principles and sound knowledge of scientific methods of the chemical sciences. Arouse a sense of curiosity and enquiring mind, in order to encourage and develop creative thinking and research aptitudes.

### COURSE OUTCOMES:

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

CO 1: Identify the importance of different surface coatings.

CO 2: Acquire a critical knowledge on manufacture of ceramics and cement.

CO 3: Understand various steps in the manufacture of cane sugar.

CO 4: Explain the manufacture of pulp and paper.

### UNIT - I:

Fertilizers

10 hours

A brief introduction to industrial chemistry

Different types of fertilizers. Manufacture of the following fertilizers:

Urea, Ammonium nitrate, Calcium ammonium nitrate, Ammonium phosphates; Polyphosphate, Superphosphate, Compound and mixed fertilizers.

### UNIT - II:

Silicates

10 hours

Ceramics: Important clays and Feldspar. Ceramics-types, uses and manufacture. High technology ceramics and their applications.

Cements: Classification of cement, ingredients and their role, Manufacture of cement and the setting process, quick setting cements.

### UNIT - III:

Paper Industry

10 hours

Pulp and Paper-Introduction, Manufacture of pulp, sulphate or Kraft pulp, soda pulp, sulphite pulp, rag pulp, beating, refining, filling, sizing and colouring of pulp, manufacture of paper.

### Prescribed Text Book:

E.Stocchi: *Industrial Chemistry*, Vol-I, Ellis Horwood Ltd.UK



**IDEAL COLLEGE OF ARTS AND  
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**(AP. Govt. Aided, Autonomous &  
NAAC 'B')**

**DEPARTMENT OF CHEMISTRY  
OFFERING**

**A FOUR WEEK VALUE ADDED COURSE**

**ON**

**“INDUSTRIAL CHEMISTRY”**

December 2020 - January 2021

**Resource Person**

**Coordinator**

**Smt. K. Rajani**  
Lecturer in chemistry  
Ideal College of Arts and  
Sciences(A), Kakinada

**Dr. Ch. Praveen**  
HOD, chemistry  
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 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 models, charts, UV-visible spectrometer, spectrophotometer, Water analyzer, conductometer, potentiometer, pH meter, paper chromatography chamber, analytical balance.

## About the Course

Fertilisers are additional substances supplied to the crops to increase their productivity. These are used by the farmers daily to increase the crop yield. These fertilisers contain essential nutrients required by the plants, including nitrogen, potassium, and phosphorus.

## REGISTRATION FORM

Name of the Student : \_\_\_\_\_

Roll No : \_\_\_\_\_

Class : \_\_\_\_\_

Address for

Correspondence : \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mobile Number : \_\_\_\_\_

E-mail : \_\_\_\_\_

Signature



# IDEAL COLLEGE OF ARTS AND SCIENCES

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

Dr. P.V.N. RAJU VIDYAPRANGANAM

SAMALKOT ROAD, KAKINADA

## DEPARTMENT OF CHEMISTRY

Value added Course for the year 2020-2021

### Industrial Chemistry

S.No	Roll Number	Name of the Student	Signature
1.	2200402006	B. Bala Pujitha	B. Bala Pujitha
2.	2200402007	A Bhargav Ram	Bhargav Ram
3.	2200402013	A Dwiteesha Rani	A Dwiteesha Rani
4.	2200402019	P. Jahnavi	P. Jahnavi
5.	2200402021	K. Jostha Rani	K. Jostha Rani
6.	2200402030	P. Mounika Vijaya	P. Mounika Vijaya
7.	2200402031	Y. Naga Durga	Y. Naga Durga
8.	2200402039	K. Ramaya Vaishnavi	K. Ramaya Vaishnavi
9.	2200402044	S. Sai Lakshmi	S. Sai Lakshmi
10.	2200402023	N. Lalitha Niranjana	N. Lalitha Niranjana
11.	2200402037	K. Rajesh	K. Rajesh
12.	2200402049	S. Sri Vara Lakshmi	S. Sri Vara Lakshmi
13.	2200402050	Ch. Sirisha	Ch. Sirisha
14.	2200402063	M. Teja	M. Teja
15.	2200402083	G. Manne Swamy	Manne Swamy
16.	2200402109	G. Hema	G. Hema
17.	2200402112	P. Kiran Kumar	P. Kiran Kumar
18.	2200402113	T. Lakshmi Prasanna	T. Lakshmi Prasanna

19.	2200402122	P. Rambabu	P.Rambabu
20.	2200402143	S.V.V.Lakshmi	S.V.V.Lakshmi
21.	2200402501	G. Bhavani	G. Bhavani
22.	2200402511	K. Kanaka Lakshmi	K. Kanaka Lakshmi
23.	2200402518	K.M. Keerthana	K.M. Keerthana
24.	2200402523	K. Nissy	K. Nissy
25.	2200402524	J. Poornima	J. Poornima
26.	2200402530	N. Supriya	N. Supriya.
27.	2200402531	J. Suresh	J. Suresh
28.	2200402537	K. Vennela	K. Vennela
29.	2200402608	P. Dharma Teja	P. Dharma Teja
30.	2200402624	N. Swami	N. Swami







**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**KAKINADA**

**VALUE ADDED COURSE REPORT**

**A four week Value-added Course on “Industrial Chemistry” organized by  
Department of Chemistry**

**(December 2020 – January 2021)**

**Resource Person** : Smt. K. Rajani  
Lecturer in Chemistry  
Ideal College of Arts and Sciences(A),  
Kakinada  
E-mail Id: raj.kadp@gmail.com  
Contact Number: 9490710869

**Coordinator** : Dr. Ch. Praveen  
HOD, Chemistry  
Ideal College of Arts and Sciences(A),  
Kakinada  
E-mail Id: pchoppara@gmail.com  
Contact Number: 9491185518

**Objectives:**

To provide students with a thorough grounding in principles and sound knowledge of scientific methods of the chemical sciences. Arouse a sense of curiosity and enquiring mind, in order to encourage and develop creative thinking and research aptitudes.

**Topics Covered:**

**UNIT – I:**

**Fertilizers**

**10**

**hours**

A brief introduction to industrial chemistry

Different types of fertilizers. Manufacture of the following fertilizers: Urea, Ammonium nitrate, Calcium ammonium nitrate, Ammonium phosphates; Polyphosphate, Superphosphate, Compound and mixed fertilizers.

## **UNIT – II:**

### **Silicates**

**10hours**

1. **Ceramics:** Important clays and Feldspar. Ceramics-types, uses and manufacture. High technology ceramics and their applications.
2. **Cements:** Classification of cement, ingredients and their role, Manufacture of cement and the setting process, quick setting cements.

## **UNIT – III:**

### **Paper Industry**

**10hours**

Pulp and Paper-Introduction, Manufacture of pulp, sulphate or Kraft pulp, soda pulp, sulphite pulp, rag pulp, beating, refining, filling, sizing and colouring of pulp, manufacture of paper.

### **Outcomes of the Course:**

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

**CO 1:** Identify the importance of different surface coatings.

**CO 2:** Acquire a critical knowledge on manufacture of ceramics and cement.

**CO 3:** Understand various steps in the manufacture of cane sugar.

**CO 4:** Explain the manufacture of pulp and paper.

**Number of Participants:** 30 Members

  
**Signature of the Coordinator**



**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**KAKINADA**

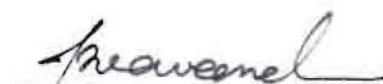
**DEPARTMENT OF CHEMISTRY**

**CERTIFICATE**

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

From \_\_\_\_\_ has completed four weeks value added course on  
“**Industrial Chemistry**” conducted by the Department of Chemistry, Ideal  
College of Arts and Science(A), Kakinada, from December 2020 to January 2021.

  
**Smt. K. Rajani**  
Resource Person

  
**Dr. Ch. Praveen**  
Coordinator

  
**Dr. K. Jhansi Lakshmi**  
Principal  
Principal  
Ideal College of Arts & Sciences (A)  
KAKINADA





**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**KAKINADA**

**NOTICE**

**Dt: 20.11.2020**

All the I B.A students are here by informed that Department of History is conducting A four-week value added course on "**The Makers of Modern India**" from December 2020 to January 2021.

Interested candidates are requested to register their names with Smt. Ch. Padmavathi, HOD History and Course Coordinator on or before 30.11.2020.

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

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

**DEPARTMENT OF HISTORY**

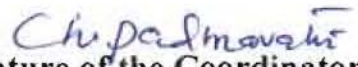
**Value added Course for the year (2020-2021)**

**A Four Week Value Added Course on “The Makers of Modern India”**

**Day Wise Course Schedule**

<b>S.No</b>	<b>Date</b>	<b>Topic</b>
1.	02.12.2020	Introduction
2.	03.12.2020	Modern visionaries
3.	04.12.2020	Jawaharlal Nehru M.K, Gandhi
4.	05.12.2020	Dr. B.R. Ambedkar
5.	07.12.2020	P.V. Nara simha Rao, Atal Bihari vajpayee
6.	08.12.2020	C.V. Raman
7.	09.12.2020	H.J. Baba
8.	10.12.2020	APJ Abdul kalam
9.	11.12.2020	Vikramsarabhai
10.	12.12.2020	M.S. Swaminadhan
11.	14.12.2020	Y. Subba Rao
12.	15.12.2020	Contribution of different schools of history
13.	16.12.2020	R.S. Sharma/Romila thapar
14.	17.12.2020	D.D. Kosambi

15.	18.12.2020	J.N. Sarkar
16.	19.12.2020	Bipm Chandra
17.	21.12.2020	Rama Chandra
18.	22.12.2020	Contribution of one great business man
19.	23.12.2020	<b>Dhirubhay ambani</b>
20.	28.12.2020	J.R.D. Tata
21.	29.12.2020	Mukesh Ambani
22.	04.01.2021	Sports & Cultural & Services
23.	05.01.2021	Abhinav Bindra
24.	06.01.2021	Satyajith Rey
25.	07.01.2021	A.R. Rahman
26.	08.01.2021	Sachin Tendulkar
27.	09.01.2021	P.T. Usha
28.	18.01.2021	Project Work
29.	19.01.2021	Study Hour
30.	20.01.2021	Paper presentation

  
Signature of the Coordinator



## Course Structure & Syllabus

30 hrs

### OBJECTIVES:

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

- > Lean into some of the political stalwarts and their vision of modern India.
- > Analyzing the Contribution of Scientists in Modern India
- > Know the services of great historians who wrote the history of India to reconstruct the

historical past to present society in chronological order

### COURSEOUTCOMES:

After Successful Completion of Value-added Course

Learn from the businessmen who contributed their services to society.

Know some of the extraordinary talent sportspersons in their respective fields.

Understand some of the makers and their contributions to the culture and service fields.

#### Unit-I

Modern Visionaries: Jawahar Lal Nehru, Dr. B.R. Ambedkar, M.K.Gandhi, Moulana Abul Kalalm Azad, P.V. Narasimharao and Atal Bihari Vajpayee.

#### Unit-II

Contribution of the Giant Scientists to the Modern Society: Sir C.V. Raman, Har Gobind Khorana- Homi J.Baba-Subramanyam Chandra Shekhar- A.P.J.Abdul Kalam-Vikram Sarabai- M.S. Swaminathan-C.N.R.Rao-Yallapragada Subba Rao.

#### Unit-III

Contribution of Different Schools of Historians: R.S. Sharma-D.N.Jha- Romila Thapar-D.D. Kosambi-J.N. Sarkar-Irfan Habib-Bipan Chandra, Ramachandra Guha

#### Unit-IV

Contribution of the Great Business Men: Dhirubhay Ambani, Ardershir Godrej, J.R.D. Tata, Kailash Chandra Mahindra, Mukhesh Ambani

#### Unit-V

Contribution of Sports, Culture and Services: Abhinav Bhindra, Bhanu Aithaiya, Satyajith Rey, A.R. Rahmen, Vinoba Bhave, Sachin Tendulkar, P.T. Usha.



## IDEAL COLLEGE OF ARTS AND SCIENCES

(AP. Govt. Aided Autonomous & NAAC B)

DEPARTMENT OF HISTORY  
OFFERING

### A FOUR WEEK VALUE ADDED COURSE

ON

### "THE MAKERS OF MODERN INDIA"

(DECEMBER 2020 - JANUARY 2021)

#### Resource Person

Sri. N. S.S. Prasad  
Lecturer in History  
Deepthi Degree College,  
Mamidikuduru

#### Coordinator

Smt. Ch. Padmavathi  
HOD, History  
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 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

Makers of Modern India collects the work of nineteen of India's foremost generators of political sentiment, from those whose names command instant global recognition to pioneering subaltern and feminist thinkers whose works have until now remained obscure and inaccessible.

## REGISTRATION FORM

Name of the Student : \_\_\_\_\_

Roll No : \_\_\_\_\_

Class : \_\_\_\_\_

Address for

Correspondence : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mobile Number : \_\_\_\_\_

E-mail : \_\_\_\_\_

Signature

# IDEAL COLLEGE OF ARTS AND SCIENCES

(AP. Govt. Aided Autonomous, NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM

SAMALKOT ROAD, KAKINADA

## DEPARTMENT OF HISTORY

Value added Course for the year 2020-2021

### List of Students

S.No	Roll Number	Name of the Student	Signature
1.	2181003	B. Ajay Babu	Ajay Babu
2.	2181006	A Anil Kumar	Anil Kumar
3.	2181012	C. Badri Narayana	badri narayana
4.	2181013	B. Rana	Rana
5.	2181014	M. Chandra Sekhar	m. chandra Sekhar
6.	2181016	K. Durga Prasad	K. Durga Prasad
7.	2181018	B. Bhavani	B. Bhavani
8.	2181019	K. Jahahar	Jahahar
9.	2181020	D. Aparna	Aparna
10.	2181025	M. Manjunadh	M. Manjunadh
11.	2181034	C. Raju	C. Raju
12.	2181036	J. Ravi Teja	J. Ravi Teja
13.	2181040	S. Mahesh	S. Mahesh
14.	2181049	P. Uma Mahendra	Purna mahendra
15.	2181051	M. Veera Babu	M. Veera Babu
16.	2181052	O. Veera Babu	O. Veera Babu
17.	2181056	P. Vijay	Vijay
18.	2181059	M. Ramana	M. Ramana
19.	2181060	V. Preethi	v. Preethi
20.	2181069	P. Sai	Sai







**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**KAKINADA**

**VALUE ADDED COURSE REPORT**

**A four week Value-added Course on “The Makers of Modern India”**

**organized by Department of History**

**(December 2020 – January 2021)**

<b>Resource Person</b>	:	Sri N.S.S. Prasad Assistant Professor of History Deepthi Degree College, Mamidikuduru. E-mail Id: shankarn506@gmail.com Contact Number: 9963613260
<b>Coordinator</b>	:	Smt. Ch. Padmavathi HOD, History Ideal College of Arts and Sciences(A), Kakinada E-mail Id: padmavathichintapalli@gmail.com Contact Number: 9866251108

**Objectives:**

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

- Lean into some of the political stalwarts and their vision of modern India.
- Analyzing the Contribution of Scientists in Modern India
- Know the services of great historians who wrote the history of India to reconstruct the

historical past to present society in chronological order.

**Topics Covered:**

**Unit-I**

Modern Visionaries: Jawahar Lal Nehru, Dr. B.R. Ambedkar, M.K.Gandhi,  
Moulana Abul Kalalm Azad, P.V. Narasimharao and Atal Bihari Vajpayee.

## **Unit-II**

Contribution of the Giant Scientists to the Modern Society: Sir C.V. Raman, Har Gobind

Khorana- Homi J.Baba-Subramanyam Chandra Shekhar- A.P.J.Abdul Kalam- Vikram Sarabai-

M.S. Swaminathan-C.N.R.Rao-Yallapragada Subba Rao.

## **Unit-III**

Contribution of Different Schools of Historians: R.S. Sharma-D.N.Jha- Romila Thapar-D.D. Kosambi-J.N. Sarkar-Irfan Habib-Bipan Chandra, Ramachandra Guha

## **Unit-IV**

Contribution of the Great Business Men: Dhirubhay Ambani, Ardeshir Godrej, J.R.D. Tata,

Kailash Chandra Mahindra, Mukhesh Ambani

## **Unit-V**

Contribution of Sports, Culture and Services: Abhinav Bhindra, Bhanu Aithaiya, Satyajith Rey,

A.R. Rahmen, Vinoba Bhave, Sachin Tendulkar, P.T. Usha.

### **Outcomes of the Course:**

After Successful Completion of Value-added Course

- Learn from the businessmen who contributed their services to society.
- Know some of the extraordinary talent sportspersons in their respective fields.
- Understand some of the makers and their contributions to the culture and service fields.

**Number of Participants:** 20 Members

*Ch. Padma Lakshmi*  
Signature of the Coordinator





**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**KAKINADA**

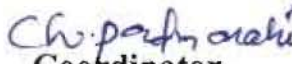
**DEPARTMENT OF HISTORY**

**CERTIFICATE**

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

From \_\_\_\_\_ has completed four week value added course on  
“**The Makers of Modern India**” conducted by the Department of History, Ideal  
College of Arts and Science(A), Kakinada, from December 2020 to January 2021.

  
Resource Person

  
Coordinator

  
Principal  
Principal  
Ideal 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**

**Date:** 25.11.2020

All the I B.A students are here by informed that Department of Political Science is conducting A four-week value added course on "**Godavari urban development Authority**" from December 2020 to January 2021.

Interested candidates are requested to register their names with Dr. K. Swamiji, HOD Political Science and Course Coordinator on or before 01.12.2020.

  
PRINCIPAL  


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

**DEPARTMENT OF POLITICAL SCIENCE**

Value added Course for the year (2020-2021)

**A Four Week Value Added Course on “Godavari urban development Authority”**

**Day Wise Course Schedule**

<b>S.No</b>	<b>Date</b>	<b>Topic</b>
1.	02.12.2020	Meaning of GUDA
2.	03.12.2020	What is GUDA
3.	04.12.2020	Administrative Powers of GUDA
4.	05.12.2020	Development And Regulation-Related Tasks Of GUDA
5.	07.12.2020	GUDA Plan Approval For The City
6.	08.12.2020	Financial Responsibility Of GUDA
7.	09.12.2020	Land-Related Tasks Undertaken By GUDA
8.	10.12.2020	GUDA Plan Approval Layouts
9.	11.12.2020	Unapproved Layouts and Unauthorised Constructions in GUDA Jurisdiction
10.	12.12.2020	Assignment – I
11.	14.12.2020	Study Hour
12.	15.12.2020	Group Discussion
13.	16.12.2020	Concept of GUDA



14.	17.12.2020	Functions of GUDA
15.	18.12.2020	Budget of GUDA
16.	19.12.2020	Central Budget
17.	21.12.2020	State Budget
18.	22.12.2020	Structure of GUDA
19.	23.12.2020	<b>Objectives of GUDA</b>
20.	28.12.2020	Funding of Industries
21.	29.12.2020	Funding of NGOs
22.	04.01.2021	Assignment – II
23.	05.01.2021	Group Discussion
24.	06.01.2021	Student Seminar
25.	07.01.2021	Study Hour
26.	08.01.2021	Powers of GUDA
27.	09.01.2021	Planning of GUDA
28.	18.01.2021	Works of GUDA
29.	19.01.2021	Responsibilities of GUDA
30.	20.01.2021	Review

  
 Signature of the Coordinator

## Course Structure & Syllabus

30 hrs

### OBJECTIVES:

Students after successful completion of the course will be able to.,  
Ensuring that town planning schemes are implemented.  
Creating and implementing development plans for notified areas.  
Creation and implementation of urban area development initiatives like affordable housing and slum-dwellers development.  
Implementation of Local Area Plans for the improvement of existing areas.

### COURSEOUTCOMES:

After Successful Completion of Value-added Course  
Urban Development Authority planners are responsible for the following. Ensuring that town planning schemes are implemented.  
Creating and implementing development plans for notified areas.  
Creation and implementation of urban area development initiatives like affordable housing and slum-dwellers development.

### Unit-I Introduction

Meaning of GUDA  
Concept of GUDA  
Structure of GUDA  
objectives of GUDA.

### Unit-II Powers and Functions of GUDA

Powers of GUDA  
Functions of GUDA  
Planning of GUDA  
Works of GUDA

Unit-III Budget of GUDA  
Central Budget of GUDA  
State Budget of GUDA

### Unit- IV

Local industries funding  
NGO Funding



**IDEAL COLLEGE OF ARTS AND SCIENCES**  
(AP.Govt.Aided, Autonomous & NAAC B)

**DEPARTMENT OF POLITICAL SCIENCE OFFERING**

**A FOUR WEEK VALUE ADDED COURSE**

ON

**"GODAVARI URBAN DEVELOPMENT AUTHORITY"**

(DECEMBER 2020 – JANUARY 2021)

**Resource Person**

Smt. Pallavi Udumula  
Lecturer in Political Science  
Government Degree College, Pithapuram

**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 Andhrá 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

Godavari Urban Development Authority or Guda is an independent urban planning authority that is responsible for the development of the urban infrastructure and all other related factors. First established in 2016, the scope of GUDA covers the east Godavari District of Andhra Pradesh.

GUDA's jurisdiction spans over 2749.18 square kilometres, which is divided into 29 Mandals and includes 2 Municipal Corporations, 5 Municipalities, 1 Nagar Panchayat, and 362 Gram Panchayats.

## REGISTRATION FORM

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

Signature



# IDEAL COLLEGE OF ARTS AND SCIENCES

(AP. Govt. Aided Autonomous, NAAC B)

Dr. P.V.N. RAJU VIDYAPRANGANAM

SAMALKOT ROAD, KAKINADA

## DEPARTMENT OF POLITICAL SCIENCE

Value added Course for the year 2020-2021

### List of Students

S.No	Roll Number	Name of the Student	Signature
1.	2200401001	AKSHAYA POLETI	Akshaya.p
2.	2200401002	BABI CHELLURI	Babi c.
3.	2200401003	BHAVANI ODHURI	Bhavani .B
4.	2200401004	DAVID RAJU BOTCHA	D. RAJU . B
5.	2200401005	DEVUDU MANUGULA	M. Devudu
6.	2200401006	DEVUDU PERLA	Devudu . P
7.	2200401007	DURGA PRASAD CHAVVAKULA	c. n. prasad
8.	2200401008	DURGA PRASAD GANISSETTI	C. D. Prasad
9.	2200401009	DURGA PRASAD KARRI	Durga prasad k
10.	2200401010	DURGA PRASAD KURIPUDI	K. P. prasad
11.	2200401011	DURGA SRINU PITANI	P. D. Srinu
12.	2200401012	GANGADRI RATCHA	Gangadri . P
13.	2200401013	JAGADEESH SARAkanAM	J. SARADHANAM
14.	2200401014	JAMES ANAND YADAGIRI	J. Anand Yadagiri
15.	2200401015	JOGI NAYUDU YAMALA	Y. N. JOGI
16.	2200401016	KONDABABU AMARADI	Kondababu
17.	2200401017	KOTESWARA RAO UNDRU	KOTESWARA RAO . U
18.	2200401018	KRUPA INAVILLI	Krupa . I
19.	2200401019	LAKSHMI NARAYANA NAKKA	C. N. NAKKA
20.	2200401020	LOVA PRASAD JEEREDDY	Lova prasad

Sl. No.	Name	1	2	3	4	5	6	7	8	9	10	11	12
2200401a	1. P. Akshaya				X	X	X	X	X	X			
2200401a	2. Ch. Baby				X	X	X	X	X	X			
2200401a	3. C. Bhavani				X	X	X	X	X	X			
2200401a	4. B. David Raju				X	X	X	X	X	X			
2200401a	5. M. Devudu				X	X	X	X	X	X			
2200401a	6. P. Devudu				X	X	X	X	X	X			
2200401a	7. Ch. Durgaprabha				X	X	X	X	X	X			
2200401a	8. G. Durgaprabha				X	X	X	X	X	X			
2200401a	9. K. Durgaprabha				X	X	X	X	X	X			
2200401a	10. P. Durga Srinu				X	X	X	X	X	X			
2200401a	11. F. Gangadri				X	X	X	X	X	X			
2200401a	12. S. Jagadeesh				X	X	X	X	X	X			
2200401a	13. Y. Jambharam				X	X	X	X	X	X			
2200401a	14. Y. Jagi Nayudu				X	X	X	X	X	X			
2200401a	15. F. Kondababu				X	X	X	X	X	X			
2200401a	16. U. Koteshwara Rao				X	X	X	X	X	X			
2200401a	17. L. Krupa				X	X	X	X	X	X			
2200401a	18. M. Lakshmi Narayana				X	X	X	X	X	X			
2200401a	19. J. Lavaprabha				X	X	X	X	X	X			

Sl. No.	Name	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2200401a	1. P. Akshaya					X	X	X											
2200401a	2. Ch. Baby					X	X	X											
2200401a	3. C. Bhavani					X	X	X											
2200401a	4. B. David Raju					X	X	X											
2200401a	5. M. Devudu					X	X	X											
2200401a	6. P. Devudu					X	X	X											
2200401a	7. Ch. Durgaprabha					X	X	X											
2200401a	8. G. Durgaprabha					X	X	X											
2200401a	9. K. Durgaprabha					X	X	X											
2200401a	10. P. Durga Srinu					X	X	X											
2200401a	11. F. Gangadri					X	X	X											
2200401a	12. S. Jagadeesh					X	X	X											
2200401a	13. Y. Jambharam					X	X	X											
2200401a	14. Y. Jagi Nayudu					X	X	X											
2200401a	15. F. Kondababu					X	X	X											
2200401a	16. U. Koteshwara Rao					X	X	X											
2200401a	17. L. Krupa					X	X	X											
2200401a	18. M. Lakshmi Narayana					X	X	X											
2200401a	19. J. Lavaprabha					X	X	X											



**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 “Godavari urban development Authority” organized by Department of Political Science**

**(December 2020 – January 2021)**

<b>Resource Person</b>	:	Smt. Pallavi Udumula Lecturer in Political Science Pithapuram Government Degree College. E-mail Id: pallaviudumula@gmail.com Contact Number: 8309138849
<b>Coordinator</b>	:	Dr. K. Swamiji Lecturer in Political Science Ideal College of Arts and Sciences(A), Kakinada E-mail Id: kollu1981@gmail.com Contact Number: 7989272226

**Objectives:**

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

- Ensuring that town planning schemes are implemented.
- Creating and implementing development plans for notified areas.
- Creation and implementation of urban area development initiatives like affordable housing and slum-dwellers development.
- Implementation of Local Area Plans for the improvement of existing areas.

**Topics Covered:**

**Unit-I Introduction**

Meaning of GUDA

Concept of GUDA

Structure of GUDA

objectives of GUDA.



## **Unit-II Powers and Functions of GUDA**

Powers of GUDA

Functions of GUDA

Planning of GUDA

Works of GUDA

## **Unit-III Budget of GUDA**

Central Budget of GUDA

State Budget of GUDA

## **Unit- IV**

Local industries funding

NGO Funding

## **Outcomes of the Course:**

After Successful Completion of Value-added Course

Urban Development Authority planners are responsible for the following. Ensuring that town planning schemes are implemented. Creating and implementing development plans for notified areas. Creation and implementation of urban area development initiatives like affordable housing and slum-dwellers development.

**Number of Participants:** 20 Members

  
Signature of the Coordinator



IDEAL COLLEGE OF ARTS AND SCIENCES  
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KAKINADA

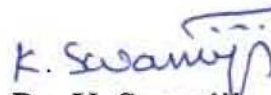
DEPARTMENT OF POLITICAL SCIENCE


CERTIFICATE

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

From \_\_\_\_\_ has completed four week value added course on  
“**GODAVARI URBAN DEVELOPMENT AUTHORITY**” conducted by the  
Department of Political Science, Ideal College of Arts and Science(A), Kakinada,  
from December 2020 to January 2021.

  
Smt. Pallavi Udumula  
Resource Person

  
Dr. K. Swamiji  
Coordinator

  
Dr. K. Jhansi Lakshmi  
Principal  
Ideal College of Arts & Sciences (A)  
Kakinada



**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**KAKINADA**

**NOTICE**

Dt: 02-12-2020

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 **“Human Values & Professional Ethics”** from December 2020 to January 2021.

Interested candidates are requested to register their names with Sri K.B. Siddharda Babu, HOD, Department of English and Course Resource Person on or before 12.12.2020.

  
**PRINCIPAL**

Principal  
Ideal College of Arts & Sciences (A)  
KAKINADA



**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 2020-2021**

**“Human Values & Professional Ethics”**

**Day Wise Course Schedule**

<b>S.No</b>	<b>Date</b>	<b>Topic</b>
<b>1.</b>	14-12-2020	Definition
<b>2.</b>	15-12-2020	What is the meaning of Ethics?
<b>3.</b>	16-12-2020	Classification
<b>4.</b>	17-12-2020	Real time Examples
<b>5.</b>	18-12-2020	Assignment – I
<b>6.</b>	19-12-2020	Student Seminar
<b>7.</b>	21-12-2020	Why Human Values and Ethics are Important?
<b>8.</b>	22-12-2020	Is it useful in our life?
<b>9.</b>	23-12-2020	Classification Values and Ethics
<b>10.</b>	24-12-2020	Seminar
<b>11.</b>	26-12-2020	Assignment – II
<b>12.</b>	28-12-2020	How it helps in work place?
<b>13.</b>	29-12-2020	Practice

14.	30-12-2020	Classification Values and Ethics
15.	04-01-2021	Real time Examples
16.	05-01-2021	Student seminar
17.	06-01-2021	Importance in Competitive World
18.	07-01-2021	Assignment – III
19.	08-01-2021	Classification Values and Ethics
20.	11-01-2021	Real time Examples
21.	18-01-2021	Classification Values and Ethics
22.	19-01-2021	Student seminar
23.	20-01-2021	Human Values and Ethics
24.	21-01-2021	Importance in our life
25.	22-01-2021	Real time Examples
26.	23-01-2021	Practices
27.	25-01-2021	Share their own Experiences
28.	27-01-2021	Assignment – IV
29.	28-01-2021	Seminar
30.	29-01-2021	Review

  
 Signature of the Coordinator

## Course Structure & Syllabus

30 hrs.

### OBJECTIVES:

- To understand the moral values that ought to guide the profession, Resolve the moral issues in the profession.
- To justify the moral judgment concerning the profession
- Intended to develop a set of beliefs, attitudes, and habits that display concerning morality

### COURSE OUTCOMES:

- To create an awareness on Ethics and Human Values.
- To inspire Moral and Social Values and Loyalty.
- To appreciate the rights of others

### **Module I 10 hours**

Values are our guidelines for our success our paradigm about what is acceptable. Human behavior depends on the characters defining the identity, choosing the values, and establishing the beliefs. Human values include morals, integrity, peaceful life, respecting others, honesty (Truthfulness and trustworthiness), caring, kindness, courage, sharing, time management, adjustment (co-operation), self-confidence, commitment, spirituality and Service-learning a teaching method which combines community service with academic instruction as it focuses on critical, reflective thinking and civic responsibility.

### **Module II 10 hours**

Ethics is an activity which concerns with the investigation of moral values in moral issues. As far as an Engineer is concerned, he/she should have an ethical as well as a social responsibility to himself, to his subordinates and to his society. The set of standards adopted by professionals is called as Professional ethics. Every profession like teaching, medicine, law etc. has its own professional ethics. The set of ethical standards that are applicable for an engineering profession is known as Engineering ethics. Engineering ethics is about balancing cost, schedule, and risk in practical. Engineering ethics helps an Engineer to discover moral principles like obligation, rights, and ideals in this field.

### **Module III 10 hours**

Formal code, Focus, Precedence, Restriction, two dimensional (positive & negative) and Role morality are some of the important characters of professional ethics.



**IDEAL COLLEGE OF ARTS AND  
SCIENCES**

**AP Govt Autonomous & NAAC B**

**DEPARTMENT OF English  
OFFERING**

**A FOUR WEEK VALUE ADDED COURSE**

**VALUE ADDED COURSE**

**ON**

**“Human Values & Professional Ethics”**

**(December 2020 – January 2021)**

**Coordinator**

Sri.K.B.Siddharda Babu  
HOD,  
Ideal College of Arts and  
Sciences(A), Kakinada  
E-mail Id:  
siddhardababu@gmail.com  
Contact Number: 9154012823

**Resource Person**

Dr.M.Soma Raju  
Assistant Professor of English  
Ideal College of Arts and  
Sciences(A), Kakinada  
E-mail Id:  
Dr.msomaraju@gmail.com  
Contact Number: 8008888485

**Confidential**



## 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 place 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 Student : \_\_\_\_\_

Roll No : \_\_\_\_\_

Class : \_\_\_\_\_

Address for

Correspondence : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mobile Number : \_\_\_\_\_

E-mail : \_\_\_\_\_

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 2020-2021

"Human Values & Professional Ethics "

S.No	Roll Number	Name of the Student	Signature
1.	2200401001	AKSHAYA POLETI	Akshaya Poleti
2.	2200401002	BABI CHELLURI	BABI CHELLURI
3.	2200401003	BHAVANI ODHURI	BHAVANI ODHURI
4.	2200401004	DAVID RAJU BOTCHIA	DAVID RAJU BOTCHIA
5.	2200401005	DEVUDU MANUGULA	M. Devudu
6.	2200401006	DEVUDU PERLA	P. Devudu
7.	2200401007	DURGA PRASAD CHAVVAKULA	Ch. Durga Prasad
8.	2200401008	DURGA PRASAD GANISSETTI	G. Durga Prasad
9.	2200401009	DURGA PRASAD KARRI	B. Durga Prasad
10.	2200401010	DURGA PRASAD KURIPUDI	Durgaprasad Kurupudi
11.	2200401011	DURGA SRINU PITANI	Durga Srinu Pitani
12.	2200401012	GANGADRI RATCHA	Gangadri
13.	2200401013	JAGADEESH SARAKANAM	S. Jagadeesh
14.	2200401014	JAMES ANAND YADAGIRI	J. James Anand
15.	2200401015	JOGI NAYUDU YAMALA	J. Sriharsha
16.	2200401016	KONDABABU AMARADI	K. Kondababu
17.	2200401017	KOTESWARA RAO UNDRU	U. Koteswara Rao
18.	2200401018	KRUPA INAVILLI	K. Krupa
19.	2200401019	LAKSHMI NARAYANA NAKKA	N. Lakshmi
20.	2200401020	LOVA PRASAD JEEREDDY	Lova Prasad
21.	2200401021	LOVA SAI RAM MIRIYALA	M. Lova Sai Ram
22.	2200401022	MAHA LAKSHMI KURAKULA	M. Lakshmi



24	2200401023	MANIKANTA BATTETI	B. Manikanta
	2200401024	MOHAMMED JAKEER	M. J. JAKEER
25	2200401025	NAGA SURYA DURGA VENKATESH KIANDAVALLI	K.N.S.D. Venkatesh
26	2200401026	NAVEEN DARA	D. Naveen
27	2200401027	NEELA VENI KARRI	K. Neela veni
28	2200403101	AJAY KUMAR ADDANKI	A. Ajay kumar
29	2200403102	AJAY MAHARSHI BOMMITI	B. Ajay maharshi
30	2200403103	ARAVIND VINAKOTI	V. Aravind
31	2200403104	BHAVANI SHANKAR CHITTI	Ch. Bhavani Shankar
32	2200403105	DEEPTHI KATAKAM	K. Deepthi
33	2200403106	DILEEP KUMAR KATAKAM	K. Dileep Kumar
34	2200403107	DIVYA TEJA VEJARLA	Divya Teja vejarla
35	2200403108	DURGA PRASAD GANDIKOTA	G. Durga Prasad
36	2200403109	DURGA PRASAD GUBBALA	G. Durga Prasad
37	2200403110	DURGA PRASAD YESURI	Y. Durga Prasad
38	2200403111	DURGAMBIKA NEMALA	N. Durgambika
39	2200403112	HARI BABU KONA	Hadi babu kona
40	2200403113	ISSAKU PESANGI	K. Hari babu
41	2200403001	AKASH BOYI	A. Boyi
42	2200403002	AKASH TATAPUDI	A. AKASH
43	2200403003	ANITHA YADLA	Y. Anitha
44	2200403004	ANU SRI BHUVANAPALLI	Ansu. Bhuvanaro
45	2200403005	DAVEEDU TANGELLA	T. DAVEEDU
46	2200403006	DEEVANA RAJU NEDUNURI	N. Deevana Raju
47	2200403007	DIVYA CHOKKA	P. Chokka.
48	2200403008	DORA BABU JALLY	D. Dora babu
49	2200403009	DURGA BHAVANI KATTA	K. Durga Bhavani
50	2200403010	DURGA PAVANI ADAPA	A. Pavani Adapa





**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**KAKINADA**

**A four week Value-added Course on**  
**“Human Values & Professional Ethics ”**  
**organized by Department of English**

**(December - 2020– January - 2021)**

**SYLLABUS**

A person who is offered a quality education will be able to serve the region the state, and the nation through resourceful educational programmes education consequently helps in upgrading the individual's r endorses the growth of the nation. Professional Ethics & Human Values: A quality-based which in turn endorses the growth of the nation.

**Unit-1**

Values are our guidelines for our success our paradigm about what is acceptable. Human behavior depends on the characters defining the identity, choosing the values, and establishing the beliefs. Human values include morals, integrity, peaceful life, respecting others, honesty (Truthfulness and trustworthiness), caring, kindness, courage, sharing, time management, adjustment(co-operation), self-confidence, commitment, spirituality and Service-learning a teaching method which combines community service with academic instruction as it focuses on critical, reflective thinking and civic responsibility.

## **Unit:-2**

Ethics is an activity which concerns with the investigation of moral values in moral issues. As for as an Engineer is concern, he/she should have an ethical as well as a social responsibility to himself, to his subordinates and to his society. The set of standards adopted by professionals is called as Professional ethics. Every profession like teaching, medicine, law etc. has its own professional ethics. The set of ethical standards that are applicable for an engineering profession is known as Engineering ethics. Engineering ethics is about balancing cost, schedule, and risk in practical. Engineering ethics helps an Engineer to discover moral principles like obligation, rights, and ideals in this field. Formal code, Focus, Precedence, Restriction, two dimensional (positive & negative) and Role morality are some of the important characters of professional ethics.



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Dr. P.V.N. RAJU VIDYAPRANGANAM  
KAKINADA**

**VALUE ADDED COURSE REPORT**

**A four week Value-added Course on  
“Human Values & Professional Ethics”  
organized by Department of English**

**(December - 2020– January - 2021)**

**Resource Person** : Dr.M.Soma Raju  
Assistant Professor of English  
Ideal College of Arts and Sciences(A),  
Kakinada  
E-mail Id: Dr.msomaraju@gmail.com  
Contact Number: 8008888485

**Coordinator** : Sri.K.B.Siddharda Babu  
HOD, English  
Ideal College of Arts and Sciences(A),  
Kakinada  
E-mail Id: siddhardababu@gmail.com  
Contact Number: 9154012823

**SYLLABUS**

A person who is offered a quality education will be able to serve the region the state. and the nation through resourceful educational programmes education consequently helps in upgrading the individual's r endorses the growth of the nation. Professional Ethics & Human Values: A quality-based which in turn endorses the growth of the nation.

**Professional Ethics and Human Values:**

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- To create an awareness on Ethics and Human Values.
- To inspire Moral and Social Values and Loyalty.
- To appreciate the rights of others.

#### **Unit:-1**

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**Number of Participants:** 50 Members

  
Signature of the Coordinator

# Pupils Attendance Register

# పిల్లల హాజరుపట్టి

Sl. No.	Pupil Name	Date												Total	Remarks	
		10/10	11/10	12/10	13/10	14/10	15/10	16/10	17/10	18/10	19/10	20/10	21/10			
1	AKSHAYA TOLETI	P	P	A	P	P	P	A	P	P	P	P	P	P	13	
2	BABI CHELLURI	A	P	P	P	P	P	P	P	P	A	A	P	P	14	
3	BHAVANI ODHURI	P	P	A	P	P	P	P	P	P	P	P	P	P	14	
4	DAVID RAJU BOTCHA	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
5	DEVUDU MANUGULA	A	P	P	P	P	P	P	P	P	P	P	P	P	14	
6	DEVUDU PERLA	P	P	P	A	P	P	P	P	P	P	P	P	P	14	
7	DURGA PRASAD CHAVANUR	P	P	P	P	P	P	A	P	P	P	P	P	P	14	
8	DURGA PRASAD GANISETTI	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
9	DURGA PRASAD KARRI	P	P	A	P	P	P	P	P	P	P	P	P	P	14	
10	DURGA PRASAD KURUPUDI	P	P	P	P	P	P	A	P	P	P	P	P	P	14	
11	DURGA SRINU PITANI	A	P	P	P	P	P	P	P	P	P	P	P	P	14	
12	GANIGADRI RATCHA	P	P	A	P	P	P	P	P	P	P	P	P	P	14	
13	JAGADEESH SARAKANAM	A	P	P	P	P	P	P	P	P	P	P	P	P	14	
14	JAMES ANAND YAMAGARI	P	P	P	A	P	P	P	P	P	P	P	P	P	14	
15	JOGI NAYADU YAMALA	P	P	P	P	A	P	P	P	P	P	P	P	P	14	
16	JONDABABU AMARADI	P	P	P	A	P	P	P	P	P	P	P	P	P	14	
17	KOTESWARA RAO UNDRU	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
18	KRUPA JINAVILLI	P	P	A	P	P	P	P	P	P	P	P	P	P	14	
19	LAKSHMI NARAYANA NAKKI	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
20	LINA PRASAD JEEVERDY	P	P	P	A	P	P	P	P	P	P	P	P	P	14	
21	LINA SAI RAM MIRIYALA	P	P	A	P	P	P	P	P	P	P	P	P	P	14	
22	MAHA LAKSHMI KUDAYALA	P	P	A	P	P	P	P	P	P	P	P	P	P	14	
23	MANIKANTA BATTETI	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
24	MUHAMMED SAKEER	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
25	N. D. VENKATESH MANOMANI	P	P	A	P	P	P	P	P	P	P	P	P	P	14	
26	NAVUENI DATA	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
27	NCELA VENI YARDI	A	P	P	P	P	P	P	P	P	P	P	P	P	14	
28	RAJAY KUMAR ADDANYI	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
29	RAJAY MAHARSHI BOJMMI	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
30	ARAVIND VINAYUTI	P	P	P	A	P	P	P	P	P	P	P	P	P	14	

# Pupils Attendance Register

పిల్లల హాజరుపట్టి

Sl. No.	Name	Date												Total	Remarks	
		1	2	3	4	5	6	7	8	9	10	11	12			
29	BHAVANI SHANKAR CHITTI	A	P	P	P	P	A	P	P	P	P	P	P	P	13	
30	NEETHI KATAVAM	P	P	P	A	P	P	P	P	P	P	P	P	D	14	
31	DINGER LUNAS KATAVAM	P	P	A	P	P	P	P	P	P	P	P	P	P	14	
32	DILYA KOTA VEJASLA	P	P	A	P	P	P	P	P	P	P	P	P	A	14	
33	DURGA PRASAD GANDIKOM	P	P	P	P	P	P	P	P	P	P	P	P	A	14	
34	DURGA PRASAD GUBRALA	P	P	P	P	P	P	P	P	P	P	P	P	A	14	
35	DURGA PRASAD YESURI	A	P	P	P	P	P	P	P	P	P	P	P	A	14	
36	DURGAMBINA NEMALA	A	P	P	P	P	P	P	P	P	P	P	P	A	14	
37	HARI BABU KONA	A	P	P	P	P	P	P	P	P	P	P	P	P	14	
38	ISSAYU PESANGI	A	P	P	P	P	P	P	P	P	P	P	P	P	14	
39	AKASH BOYI	P	P	P	P	P	P	P	P	P	P	P	P	A	14	
40	AKASH TATAPUDI	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
41	ANITHA YADLA	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
42	ANUSI BHUVANAPALLI	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
43	DAVEEDU TANGELLA	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
44	DURGA RAO NEMURI	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
45	DILYA CHOKKA	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
46	DURGA BABU JALLY	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
47	DURGA BHAVANI KATTA	P	P	P	P	P	P	P	P	P	P	P	P	P	14	
48	DURGA BHAVANI ADAPA	P	P	P	P	P	P	P	P	P	P	P	P	P	14	

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

**DEPARTMENT OF ENGLISH**

**CERTIFICATE**

This is to certify that Ms./Mrs. \_\_\_\_\_  
From \_\_\_\_\_ has completed four weeks value added course on  
“**Human Values & Professional Ethics**” conducted by the department of English,  
Ideal College of Arts and Science(A), Kakinada, from December 2020 to January  
2021.

  
Dr. M. Soma Raju  
Resource Person

  
Sri K. B. Siddhartha Babu  
Coordinator

  
Dr. K. Jhansi Lakshmi  
Principal  
Principal  
Ideal College of Arts & Science  
KAKINADA


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

**NOTICE**

**Date:** 07.12.2020

All the III B.Sc., Students are here by informed that the Department of Physics is conducting a six-week value added course on “LOW TEMPERATURE PHYSICS” from January 2021 to February 2021.

Interested candidates are requested to register their names with Dr. S.V.G.V.A. Prasad, HOD of Physics and course coordinator on or before 29.12.2020

  
Principal

Principal  
Ideal College of Arts & Sciences  
KAKINADA

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

**DEPARTMENT OF PHYSICS**

Value added Course for the year 2020-2021

**A Six Week Value Added Course on “Low Temperature physics”**

**Day Wise Course Schedule**

S.No	Date	Topic
1.	04.01.2021	Introduction joule Thomson effect regenerative cooling vacuum pumps
2.	05.01.2021	Liquefaction of air hydrogen helium maintenance of low temperature
3.	06.01.2021	Production of temperature blow 1K
4.	07.01.2021	Adiabatic demagnetization evaporation cooling of He 3 dilution refrigeration
5.	08.01.2021	Loser cooling nuclear demagnetization
6.	11.01.2021	Assignment
7.	17.01.2021	The gas thermometer and its corrections.
8.	18.01.2021	Secondary thermometers.
9.	19.01.2021	Resistance thermometers thermocouples
10.	20.01.2021	Vapour pressure thermometers
11.	21.01.2021	Magnetic thermometer
12.	22.01.2021	Assignment
13.	23.01.2021	Liquid nitrogen – liquid oxygen – liquid hydrogen



14.	25.01.2021	Liquid he – 4 and He – 3 – solid He – 3 lamda point
15.	27.01.2021	Superfluity density compressibility factor
16.	28.01.2021	Viscosity and thermal properties
17.	29.01.2021	Velocity of sound in liquid helium
18.	30.01.2021	Assignment
19.	01.02.2021	Experimental observations theories of summer field and block
20.	02.02.2021	Superconductivity – magnetic properties of super conductors
21.	03.02.2021	Thermal properties of super conductors penetration depth and high frequency resistance
22.	04.02.2021	Ferromagnetic diamagnetism paramagnetic
23.	05.02.2021	Paramagnetic saturation
24.	06.02.2021	Student Seminar
25.	08.02.2021	Specific heats rotational specific heat of hydrogen
26.	09.02.2021	Finstein's and debye's theories schottky effect anomalies in specific heat at low temperature infraed visible spectra
27.	10.02.2021	Zeeman spectra at low temperature dielectric constant and its measurnment magnetic suscepabilities.
28.	11.02.2021	NMR and electron Paramagnetic resonance at low temperature nuclear magnetic properties
29.	12.02.2021	Mossbauer effect and other hyper line properties at low temperature
30.	15.02.2021	Quiz

  
**Signature of the Coordinator**

## Course Structure & Syllabus

30 hrs.:

### **OBJECTIVES:**

Temperature is a measure of the average kinetic energy of the particles in an object. When the temperature increases, the motion of these particles also increases. Temperature is measured with a thermometer or a calorimeter. In other words, temperature determines the internal energy within a given system.

### **COURSE OUTCOMES:**

low-temperature physics, science concerned with the production and maintenance of temperatures much below normal, down to almost absolute zero, and with various phenomena that occur only at such temperatures. The temperature scale used in low-temperature physics is the Kelvin temperature scale, or absolute temperature scale, which is based on the behavior of an idealized gas (see gas laws; kinetic-molecular theory of gases)

### **UNIT I-PRODUCTION OF LOW TEMPERATURE (5hrs)**

Introduction - Joule Thomson effect - Regenerative cooling - Vacuum pumps - liquefaction of air - Hydrogen Helium - Maintenance of low temperature -production of temperature below 1 K- Adiabatic demagnetization - Evaporative cooling of He-3 - Dilution refrigeration - Laser cooling Nuclear demagnetization.)

### **UNIT II - MEASUREMENT OF LOW TEMPERATURE (5hrs)**

The gas thermometer and its corrections Secondary thermometers- resistance thermometers, thermocouples-Vapour pressure thermometers magnetic thermometers.

### **UNIT III-LIQUID AND SOLID CRYOGENS. (5hrs)**

Liquid Nitrogen - Liquid oxygen - Liquid hydrogen - Liquid He-4 and He-3 - Solid He- 4 and He -3- Lamda point Superfluidity - Density - Compressibility factor viscosity and thermal properties - Velocity of sound in liquid helium.

### **UNIT IV-ELECTRICAL AND MAGNETIC PROPERTIES (5hrs)**

Experimental observations - Theories of Sommerfeld and Bloch? Superconductivity - magnetic properties of superconductors Thermal properties of superconductors - penetration depth and high frequency resistance Ferromagnetism - Diamagnetism - para magnetism Paramagnetic saturation.

### **UNIT V-SPECIFIC HEATS, SPECTROSCOPIC AND HYPERFINE PROPERTIES (5hrs)**

Specific heats - Rotational specific heat of Hydrogen Einstein's and Debye's theories Schottky effect Anomalies in specific heats at low temperature - Infrared-visible spectra Zeeman spectra at low temperature Dielectric constant and its measurement Magnetic susceptibility NMR and electron paramagnetic resonance at low temperature - magnetic properties Mossbauer effect and other hyperfine properties at low temperature

### **Co-Curricular Activities (5 Hours):**

Seminar/ Quiz/ Assignments/ Practice

### **Prescribed Text Book:**

1. Cornelis Jacobus Gorter, D. F. Brewer, Progress in Low Temperature Physics, Elsevier Ltd, 2011
2. Christian E. and Siegfried H, Low Temperature Physics, Springer, 2005.



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

**DEPARTMENT OF PHYSICS  
OFFERING**

**A SIX WEEK VALUE ADDED  
COURSE ON**

**LOW TEMPERATURE PHYSICS**

**January 2021 to February 2021**

**Coordinator**

**Dr. S. V. G. V. A. Prasad**  
HOD of Physics  
Ideal College of Arts and Science (A)  
Kakinada

**Resource Person**

**Kum. M. Siri**  
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:

low-temperature physics, science concerned with the production and maintenance of temperatures much below normal, down to almost absolute zero, and with various phenomena that occur only at such temperatures. The temperature scale used in low-temperature physics is the Kelvin temperature scale, or absolute temperature scale, which is based on the behavior of an idealized gas (see gas laws; kinetic-molecular theory of gases). Low-temperature physics is also known as cryogenics, from the Greek meaning "producing cold." Low temperatures are achieved by removing energy from a substance. This may be done in various ways. The simplest way to cool a substance is to bring it into contact with another substance that is already at a low temperature.

#### REGISTRATION FORM

Name of the Student : \_\_\_\_\_

Roll No : \_\_\_\_\_

Class : \_\_\_\_\_

Address for  
Correspondence : \_\_\_\_\_

Mobile Number : \_\_\_\_\_

E-mail : \_\_\_\_\_



# IDEAL COLLEGE OF ARTS AND SCIENCES

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

Dr. P.V.N. RAJU VIDYAPRANGANAM

SAMALKOT ROAD, KAKINADA

## DEPARTMENT OF PHYSICS

Value added Course for the year 2020-2021

### Low Temperature Physics

S.No	Roll Number	Name of the Student	Signature
1.	2182001	Bandi Appanna Babu	B. Appanna Babu
2.	2182002	Madinetty Ashalatha Sree	M. Ashalatha sree
3.	2182005	Pandi Bujji Babu	P. Bujji babu
4.	2182008	Dokula Devi Sirisha	D. Devi sirisha.
5.	2182014	Mohammad Imran	M. Imran
6.	2182018	Arigela Madhavi	A. Madhavi
7.	2182020	Amara Jyothi Mahendra	A.J. Mahesh
8.	2182021	Gubbala Maheswari	G. Maheshwari
9.	2182023	Dadi Manikanta	D. Manikanta
10.	2182029	Rekadi Nuka Raju	R. Nuka Raju
11.	2182030	Pulugu Pavan	P. Pavan
12.	2182037	D. Sai	D. Sai
13.	2182042	T. Srinu	T. Srinu
14.	2182046	Madem Tejavathi	M. Tejavathi
15.	2182053	Kotla Suresh	K. Suresh
16.	2182058	Koda Suresh	K. Suresh
17.	2182116	Somi Jyoshna	S. Jyoshna
18.	2182122	Maredi Mahab	M. Mahab

19.	2182125	Mortha Nagendra	Mortha Nagendra
20.	2182129	Juma Prasad	Juma Prasad
21.	2182138	Gosala Satish	Gosala Satish
22.	2182150	Akula Ravi	Akula Ravi
23.	2182204	Boddu Anil Kumar	B. Anil Kumar
24.	2182217	Pulla Keerthi	P. Keerthi
25.	2182220	Golla L. Raju	G. L. Raju
26.	2182227	Medisetti Neeraja	M. Neeraja
27.	2182230	Seelam Samuel	seelam samuel
28.	2182238	Mortha Srinu	Mortha Srinu
29.	2182245	Kamadi Srinu	Kamadi Srinu
30.	2182249	Malladi Tataji	Malladi Tataji







**IDEAL COLLEGE OF ARTS AND SCIENCES**  
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**Dr. P.V.N. RAJU VIDYAPRANGANAM**  
**KAKINADA**

**VALUE ADDED COURSE REPORT**

**A six week Value-added Course on “Low Temperature” organized by  
Department of Physics**

**(January 2021 to February 2021)**

**Resource Person** : Ms. M. Siri  
Lecturer in Physics  
Ideal College of Arts and Sciences(A),  
Kakinada  
Mobile: 9640567433  
Email-Id: sirimuramalla6@gmail.com

**Coordinator** : Dr. S.V.G.V.A. Prasad  
Prof.in. Physics  
Ideal College of Arts and Sciences(A),  
Kakinada  
Mobile: 7780201394  
Email-Id: Dr.svgvapasad@gmail.com

**Objectives:**

Temperature is measure of the average kinetic energy of the particles in an object. Temperature is measured with thermometer (or) a calorimeter. Temperature determines the internal energy with in a given system.

**Topics Covered:**

**UNIT 1-PRODUCTION OF LOW TEMPERATURE**

Introduction - Joule Thomson effect - Regenerative cooling - Vacuum pumps - liquefaction of air -Hydrogen - Helium - Maintenance of low temperature - production of temperature below 1K- Adiabatic demagnetization - Evaporative cooling of He-3-Dilution refrigeration - Laser cooling -Nuclear demagnetization.

**UNIT II-MEASUREMENT OF LOW TEMPERATURE**

The gas thermometer and its corrections Secondary thermometers- resistance thermometers, thermocouples- vapour pressure thermometers- magnetic thermometers.

### **UNIT III-LIQUID AND SOLID CRYOGENS**

Liquid Nitrogen-Liquid oxygen - Liquid hydrogen - Liquid He -4 and He -3- Solid He-4 and He -3- Lambda point - Superfluidity - Density Compressibility factor- viscosity and thermal properties - Velocity of sound in liquid helium.

### **UNIT IV-ELECTRICAL AND MAGNETIC PROPERTIES**

Experimental observations - Theories of Sommerfeld and Bloch - Superconductivity - magnetic properties of superconductors - Thermal properties of superconductors - penetration depth and high frequency resistance - Ferromagnetism - Diamagnetism - paramagnetism - Paramagnetic saturation.

### **UNIT V-SPECIFIC HEATS, SPECTROSCOPIC AND HYPERFINE PROPERTIES**

Specific heats Rotational specific heat of Hydrogen Einstein's and Debye's theories - Schottky effect Anomalies in specific heats at low temperature - Infrared- visible spectra Zeeman spectra at low temperature Dielectric constant and its measurement - Magnetic susceptibility NMR and electron paramagnetic resonance at low temperature Nuclear magnetic properties - Mossbauer effect and other hyperfine properties at low temperature.

#### **Outcomes of the Course:**

After successful completion of Value – Added Course

1. Student can be able to understand conductivity.
2. Student can understand energy saving conditions.

**Number of Participants:** 30Members

  
Signature of the Coordinator

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

**Notice**

**Dt. 20-01-2021**

It is here by informed that the Department of Computer Science is organizing a four week Value Added Course on **MS-Excel & MS-PowerPoint** from 1-02-2021 to 28-02-2021. Therefore the interested candidates are requested to register their names with Sri K. Machara Rao, Lecturer in Computer Science for Value Added Course MS-Excel & MS-PowerPoint on or before 28-01-2021.

  
**PRINCIPAL**  
Principal  
Ideal College of Arts & Sciences  
KAKINADA



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

Department of Computer Science

A Four Week Value Added Course on “MS-Excel & MS-PowerPoint”

**Day wise Course Schedule**

Day	Date	Topic
1	1-2-2021	Introduction to MS-Excel, Worksheet components,
2	2-2-2021	Features of MS-Excel
3	3-2-2021	Worksheet components
4	4-2-2021	Opening, Closing, Deleting Worksheet
5	5-2-2021	Inserting, Moving, Copying Worksheet
6	6-2-2021	Editing Worksheet
7	7-2-2021	----- Sunday -----
8	8-2-2021	Splitting of Worksheet
9	9-2-2021	Saving Work Book and Formatting
10	10-2-2021	Protecting Cells,
11	11-2-2021	Printing the Worksheet with options
12	12-2-2021	Creating Graphs, Charts, 3D column charts
13	13-2-2021	Printing the Graphs or Chart.
14	14-2-2021	----- Sunday -----
15	15-2-2021	Comparative statement using different types of charts
16	16-2-2021	Introduction to MS-PowerPoint
17	17-2-2021	Elements of PowerPoint
18	18-2-2021	Starting PowerPoint
19	19-2-2021	Exploring PowerPoint menus
20	20-2-2021	PowerPoint Views
21	21-2-2021	----- Sunday -----
22	22-2-2021	Slides setup and zooming
23	23-2-2021	Starting a new slide, Adding title, Text, and Art.
24	24-2-2021	Performing Slide show, Saving presentation,
25	25-2-2021	Printing Slides, Inserting and Deleting Slides and Closing a Presentation.
26	26-2-2021	Creating graphs, Adding pictures, movies and sounds.
27	27-2-2021	Theory Examination
28	28-2-2021	Lab Examination

  
Signature of the Coordinator

### About the Course

Microsoft Excel and PowerPoint are the parts of MS-Office. MS-Excel enable users to format, organize and calculate data in spread sheet. MS-PowerPoint is a presentation program created by Robert Gaskins and Dennis Austin on April 20<sup>th</sup>, 1987. It consists of Slides that may contain text, graphics, sound, movies, hyper-links and other objects.

### REGISTRATION FORMAT

Name of the Student : \_\_\_\_\_

Roll No. : \_\_\_\_\_

Class : \_\_\_\_\_

Address for Correspondence : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mobile No. : \_\_\_\_\_

E-mail : \_\_\_\_\_

Signature



IDEAL COLLEGE OF ARTS AND SCIENCES

(Autonomous & NAAC B)  
Dr P.V.N. RAJU VIDYAPRANGANAM  
Sankot Road, KAKENADA

### Department of Computer Science Offering

VALUE ADDED COURSE

ON

MS-Excel & MS-PowerPoint

(01-Feb-2021 – 28-Feb-2021)

Coordinator  
Sri K. Machar Rao  
Lecture in Computer Science

Resource person  
Sri M.A. Sayeed  
H.O.D., Dept. of  
Computer Science

*Certificates will be provided on successful completion of the course*



## MS-Excel & MS-PowerPoint Syllabus

### Unit-I

Introduction to MS-Excel, Features, Worksheet components, Opening, Closing, Deleting, Inserting, Moving, Copying, Editing and Splitting of Worksheets.

### Unit-II

Saving Work Book and Formatting, Protecting Cells, Printing the Worksheet with options, Creating Graphs, Charts, 3D column charts, Printing the Graphs or Chart, Comparative statement using different types of charts

### Unit-III

Introduction to MS-PowerPoint, Elements of PowerPoint, Starting PowerPoint, Exploring PowerPoint menus, PowerPoint Views, Slides setup and zooming, Starting a new slide, Adding title, Text, and Art.

### Unit-IV

Performing Slide show, Saving presentation, Printing Slides, Inserting and Deleting Slides and Closing a Presentation. Creating graphs adding pictures, movies and sounds.

### Prescribed Text Book:

- Micro-Soft Office 2000 by Rebecca J. Fiala, Jeff Grisenthwaite, Mara Reid, Karl Schwartz and Cathyvesecky - BPB Publications
- PC-SOFTWARE by Gurvinder Singh, Rajpal Singh, Kalvani Publishers.

## 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, Ardhra 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, E.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

(Autonomous & NAAC 'B')

Dr. P. S. S. RAJU VIDYAPRANGANAM  
Santalkot Road, KAKINADA

## Department of Computer Science

Value Added Course for the year 2020-2021

MS-Excel & MS-PowerPoint

Sl. No.	ROLL NO.	NAME OF THE STUDENT	SIGNATURE
1	2200402202	AKASH ADLA	A. Akash
2	2200402203	AMULYA GORINTLA	G. Amulya
3	2200402205	CHAITANYA KUMAR KOPPISETTI	C. Chaitanya
4	2200402206	CHINNA NADIGATLA	D. CHINNA
5	2200402208	DI VIVENKATA SATYA DURGA BHAVANI PYLA	D. V. S. D. Bhavani
6	2200402210	DIVYA UJAPU	D. Divya
7	2200402212	DURGA MANIKANTA PRASAD PRASADULA	D. M. Manikanta
8	2200402217	HARATHI GOWRI CHEEPURI	H. G. Gowri
9	2200402218	KRISHNA PARVATHI GORAKAPUDI	K. P. Parvathi
10	2200402223	MANOJ SAINURUKURTHI	M. Manoj
11	2200402225	NAGA SANDEEP MUTHYALA	M. Naga Sandeep
12	2200402227	NAVJEN PANPOTHI	P. Navjen
13	2200402228	NITHESH KUMAR BODAPATI	N. Nithesh
14	2200402231	RAMU KOPPISETTI	R. Ramu
15	2200402232	ROOPA KOPPISETTI	R. Roopa
16	2200402234	SAMYUKTHA SIRIMISETTY	S. Samyuktha
17	2200402237	SANYASI RAO SATHINI	S. Sanyasa Rao
18	2200402239	SNEHANJALI THOLAKURA	S. Snehanjali
19	2200402240	SRI KALA DURGA KONDETI	K. Sri Kala
20	2200402241	SURENDRA REVURI	R. Surendra
21	2200402242	SURYAKALA MANDA	M. Suryakala
22	2200402243	V. D. G. M. E. JAINAVI VENDURTI	V. D. G. M. E. Jainavi
23	2200402247	VIRABHADRA VINAY KARRI	K. Vinay
24	2200402249	VINAY KUMAR PALIVELA	P. Vinay



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

Value Added Course Report

A Four-Week value Added Course on "MS-Excel & MS-PowerPoint"

Organized by Department of Computer Science

(01-Feb-2021 to 28-Feb-2021)

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:

MS-Excel allows user to create the visual representation of data and information. The data can be visualized in the form of charts and automatically revises data and charts.

MS-PowerPoint is a visual aid as a presenter goes along presenting their option, ideas, sales, pitch etc. The presentation includes text graphs, animation and transitions.

Unit-I

Introduction to MS-Excel, Features, Worksheet components, Opening, Closing, Deleting, Inserting, Moving, Copying, Editing and Splitting of Worksheets.

Unit-II

Saving Work Book and Formatting, Protecting Cells, Printing the Worksheet with options, Creating Graphs, Charts, 3D column charts, Printing the Graphs or Chart, Comparative statement using different types of charts

Unit-III



Introduction to MS-PowerPoint, Elements of PowerPoint, Starting PowerPoint, Exploring PowerPoint menus, PowerPoint Views, Slides setup and zooming, Starting a new slide, Adding title, Text, and Art.

#### Unit-IV

Performing Slide show, Saving presentation, Printing Slides, Inserting and Deleting Slides and Closing a Presentation. Creating graphs adding pictures, movies and sounds.

#### Outcomes of the Course:

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

CO1: Create MS-Excel worksheets and manipulating the data as required.

CO2: Create databases of various organizations and preparing charts.

CO3: Prepare PowerPoint presentations on required topics along with animation, sound, graphs.

Number of participants: 24

  
Signature of the Coordinator



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

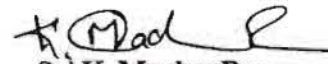
DEPARTMENT OF COMPUTER SCIENCE

## CERTIFICATE

This is to certify that Ms./Mrs. \_\_\_\_\_  
has successfully completed four week value added course on "MS-Excel&MS-PowerPoint" organised by the Department of Computer Science, Ideal College of Arts and Science(A), Kakinada, from 1-Feb-2021 to 28-Feb-2021.

He/She secured grade \_\_\_\_\_

  
Sri M.A. Sayeed  
Resource Person

  
Sri K. Machar Rao  
Coordinator

  
Dr. K. Jhansi Lakshmi  
Principal  
Principal  
Ideal College of Arts & Sciences (A)  
KAKINADA