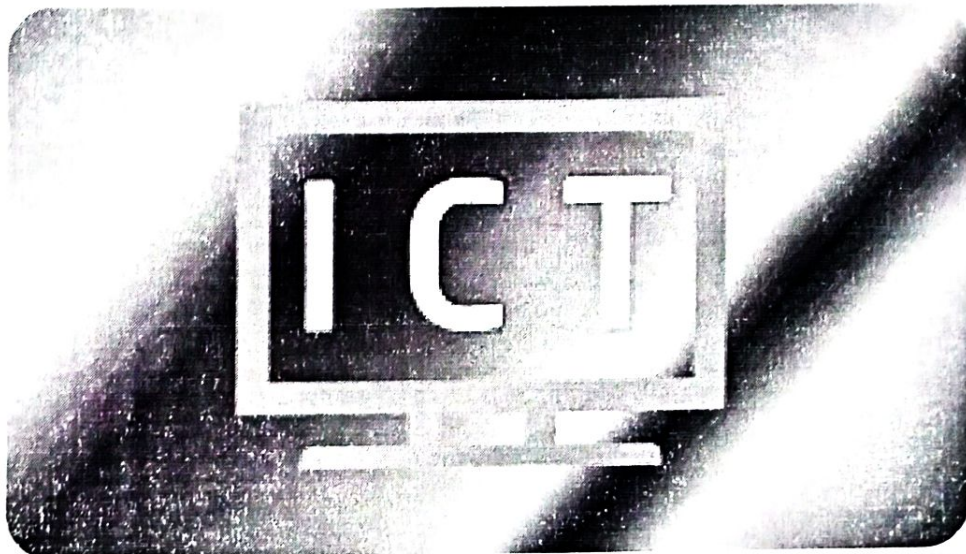


**MARKANDA NATIONAL COLLEGE, SHAHABAD MARKANDA**

**DEPARTMENT OF COMPUTER SCIENCE**



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***ADD ON COURSE:  
INFORMATION & COMPUTER TECHNOLOGY***

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**30 HOUR COURSE**

**LEVEL -1 CERTIFICATE**

**LEVEL -2 DIPLOMA**

**LEVEL -3 ADVANCE DIPLOMA**

Prof.Incharges :  
Ms.MEENAKSHI  
Ms.SONIA

Co-ordinator  
Dr.JawaharLal

# Information and Computer Technology – 30 Hour Course

## Course Objective

The Information Computer Technology course combines theoretical and practical studies focusing on the ability to use common software applications, including Word Processors, Spreadsheets, Databases, Interactive Presentation Software, E-mail, Web Technologies Concept and Programming Languages Like C,C++,Visual Basic and Python with E-commerce Concepts and Communication skills .

Students will develop a greater awareness of how applications are used in the workplace, and consider the impact of new technologies on methods of working and on social, economic, ethical and moral issues. The skills learnt will be useful to them in their work across the curriculum, and will prepare them for future employment.

Assessment of the practical tests is hardware and software independent. Any hardware platform, operating system, and applications packages can be used, providing that students have the opportunity to demonstrate the full range of skills in the syllabus. To reflect the importance of communication in the modern work place and leisure time.This course will utilize the College's learning management system as well as Computer Lab instruction to accomplish the course objectives.

We expect each student to spend approximately 6 hours of time on this course per Month.. One of the main aims of ICT is to help students to become competent and confident users who can use the basic knowledge and skills acquired to assist them in their daily lives.

It is also supposed to prepare students for the world of tomorrow. It aims to help learners to have an open and flexible mind. This will help them to adjust to the inevitable future changes. One example is the integration of ICT across the curriculum as ADD ON COURSE.

It also aims to allow the public to easily access the necessary information over the Internet.It also aims to help students become well-cultured citizens of the modern world. Another social objective of ICT is to facilitate good communication between the students, thus promoting better social understanding.



## **PROGRAMME OBJECTIVES, STRUCTURE AND CONTENTS**

### **Objectives**

This programme aims to introduce the concepts of Hardware, Software, Multimedia and Internet technologies. Also, included is a laboratory course where the student gets hands on experience. The main objectives of ICT are to:

- Develop algorithms and flowcharts for problem solving
- Introduce various aspects of Computer communication and Networking
- Discuss the role of IT in various fields such as Business, Governance, Education and Medicine
- Introduce the concept of Information System
- Discuss the latest trends in IT including legal and ethical issues
- Discuss the basic principles of Internet and Multimedia
- Search for information on Internet
- Experiment with MS-Windows and databases
- Develop and execute programs using C,C++ and Python language
- Create Web Pages and discuss issues related to its design
- Introduction to DBMS

### **Programme and Course Structure:**

The programme for 'Information and Technology' 'Consist of three levels:

- ❖ **LEVEL -1 CERTIFICATE**
- ❖ **LEVEL -2 DIPLOMA**
- ❖ **LEVEL -3 ADVANCE DIPLOMA**

## Duration of the Programme:

- ✘ 30 HOUR COURSE For Each Level .
- ✘ Every Month 5 Hours will be given for Practical and Theory Sessions( 45 MIN lecture twice in a week)
- ✘ Maximum Duration for each level will be 1 year and Any year Student can join this but course will be start from level -1 only

## Contents:

### Level-1 Certificate Theory

Course Title	No. Of Credits
• Course Agenda with needs and impacts	1
• Fundamentals of Computer System	2
• Introduction to Information Technology	1
• Digital Documentation Software(Basic)	2
• Spreadsheet Software (Basic)	2
• Presentation software(Basic)	1
• Data Base (Basic)	1
• Internet & Web Technologies	1
• Basics of 'C' Programming Language	1
• Introduction to Artificial Intelligence	1
• Introduction to IOT	1
• Communication Skills-I	2

### Practical

Course Title	No. Of Credits
• Utility of Operating System	2
• Word Processing Tools	2
• Spreadsheet Tools	3
• Presentation Tools	2
• Data Base Tools	1
• Web Page Design (Basics)	2
• 'C' Code Demo	2



# Level-2 Diploma

## Theory

<u>Course Title</u>	No. Of Credits
• Computer & Information Technology	2
• Number System	1
• Digital Documentation Software-Intermediate	1
• Spreadsheet Software-Intermediate	1
• Presentation Software-Intermediate	2
• 'C' Programming Language-Intermediate	2
• Web Designing	2
• Computer Network & IOT	1
• Database Management System-(Access/SQL)	1
• Object Oriented Programming Structural Language - C++(Basics)	1
• Basics About Python	1
• Communication Skill-II	2

## Practical

<u>Course Title</u>	No. Of Credits
• Word Processing- Intermediate	2
• Spreadsheet –Intermediate	1
• Presentation – Intermediate	1
• Data Base Access & SQL- Intermediate	1
• 'C' Intermediate Code Demo	3
• HTML & DHTML	3
• C++ Basic Code Demo	1
• Python –Basic Code Demo	1

## Level-3 Advance Diploma

### Theory

<u>Course Title</u>	<u>No. Of Credits</u>
• E-Governance needs and impacts	1
• Digital Documentation Software-Advance	2
• Spreadsheet Software-Advance	2
• Presentation Software-Advance	1
• Advance Web Designing	2
• Object oriented programming language(using Visual Basic)	2
• RDBMS	2
• Python Programming-Intermediate	2
• Artificial Intelligence-Data Science, Data Analytics & Data Mining	2
• Internet of things	2
• Creating & Publishing web Pages	1
• E-Commerce	2
• Communication Skills-III	2

### Practical

<u>Course Title</u>	<u>No. Of Credits</u>
• CSS with Java Script	3
• VB Code Demo	3
• Python Basic Code Demo	2
• SQL and PL/SQL	3
• Project Presentation	2



**MARKANDA NATIONAL COLLEGE, SHAHABAD MARKANDA**

**DEPARTMENT OF COMPUTER SCIENCE**



**ADD ON COURSE:  
INFORMATION & COMPUTER TECHNOLOGY**

**30 HOUR COURSE**

**LEVEL -1 CERTIFICATE**

**LEVEL -2 DIPLOMA**

**LEVEL -3 ADVANCE DIPLOMA**

Prof.Incharges :  
Ms.MEENAKSHI  
Ms.SONIA

Co-ordinator  
Dr.JawaharLal

# Information and Computer Technology – 30 Hour Course

## Course Objective

The Information Computer Technology course combines theoretical and practical studies focusing on the ability to use common software applications, including Word Processors, Spreadsheets, Databases, Interactive Presentation Software, E-mail, Web Technologies Concept and Programming Languages Like C,C++,Visual Basic and Python with E-commerce Concepts and Communication skills .

Students will develop a greater awareness of how applications are used in the workplace, and consider the impact of new technologies on methods of working and on social, economic, ethical and moral issues. The skills learnt will be useful to them in their work across the curriculum, and will prepare them for future employment.

Assessment of the practical tests is hardware and software independent. Any hardware platform, operating system, and applications packages can be used, providing that students have the opportunity to demonstrate the full range of skills in the syllabus. To reflect the importance of communication in the modern work place and leisure time.This course will utilize the College's learning management system as well as Computer Lab instruction to accomplish the course objectives.

We expect each student to spend approximately 6 hours of time on this course per Month.. One of the main aims of ICT is to help students to become competent and confident users who can use the basic knowledge and skills acquired to assist them in their daily lives.

It is also supposed to prepare students for the world of tomorrow. It aims to help learners to have an open and flexible mind. This will help them to adjust to the inevitable future changes. One example is the integration of ICT across the curriculum as ADD ON COURSE.

It also aims to allow the public to easily access the necessary information over the Internet.It also aims to help students become well-cultured citizens of the modern world. Another social objective of ICT is to facilitate good communication between the students, thus promoting better social understanding.



## **PROGRAMME OBJECTIVES, STRUCTURE AND CONTENTS**

### **Objectives**

This programme aims to introduce the concepts of Hardware, Software, Multimedia and Internet technologies. Also, included is a laboratory course where the student gets hands on experience. The main objectives of ICT are to:

- Develop algorithms and flowcharts for problem solving
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- Discuss the role of IT in various fields such as Business, Governance, Education and Medicine
- Introduce the concept of Information System
- Discuss the latest trends in IT including legal and ethical issues
- Discuss the basic principles of Internet and Multimedia
- Search for information on Internet
- Experiment with MS-Windows and databases
- Develop and execute programs using C,C++ and Python language
- Create Web Pages and discuss issues related to its design
- Introduction to DBMS

### **Programme and Course Structure:**

The programme for 'Information and Technology' consists of three levels:

- ✘ **LEVEL -1 CERTIFICATE**
- ✘ **LEVEL -2 DIPLOMA**
- ✘ **LEVEL -3 ADVANCE DIPLOMA**

## Duration of the Programme:

- ✘ 30 HOUR COURSE For Each Level .
- ✘ Every Month 5 Hours will be given for Practical and Theory Sessions( 45 MIN lecture twice in a week)
- ✘ Maximum Duration for each level will be 1 year and Any year Student can join this but course will be start from level -I only

## Contents:

### Level-1 Certificate Theory

Course Title	No. Of Credits
• Course Agenda with needs and impacts	1
• Fundamentals of Computer System	2
• Introduction to Information Technology	1
• Digital Documentation Software(Basic)	2
• Spreadsheet Software (Basic)	2
• Presentation software(Basic)	1
• Data Base (Basic)	1
• Internet & Web Technologies	1
• Basics of 'C' Programming Language	1
• Introduction to Artificial Intelligence	1
• Introduction to IOT	1
• Communication Skills-I	2

### Practical

Course Title	No. Of Credits
• Utility of Operating System	2
• Word Processing Tools	2
• Spreadsheet Tools	3
• Presentation Tools	2
• Data Base Tools	1
• Web Page Design (Basics)	2
• 'C' Code Demo	2



## Level-2 Diploma

### Theory

Course Title	No. Of Credits
• Computer & Information Technology	2
• Number System	1
• Digital Documentation Software-Intermediate	1
• Spreadsheet Software-Intermediate	1
• Presentation Software-Intermediate	2
• 'C' Programming Language-Intermediate	2
• Web Designing	2
• Computer Network & IOT	1
• Database Management System-(Access/SQL)	1
• Object Oriented Programming Structural Language - C++(Basics)	1
• Basics About Python	1
• Communication Skill-II	2

### Practical

Course Title	No. Of Credits
• Word Processing- Intermediate	2
• Spreadsheet -Intermediate	1
• Presentation - Intermediate	1
• Data Base Access & SQL- Intermediate	1
• 'C' Intermediate Code Demo	3
• HTML & DHTML	3
• C++ Basic Code Demo	1
• Python -Basic Code Demo	1

## Level-3 Advance Diploma

### Theory

<u>Course Title</u>	No. Of Credits
• E-Governance needs and impacts	1
• Digital Documentation Software-Advance	2
• Spreadsheet Software-Advance	2
• Presentation Software-Advance	1
• Advance Web Designing	2
• Object oriented programming language(using Visual Basic)	2
• RDBMS	2
• Python Programming-Intermediate	2
• Artificial Intelligence-Data Science, Data Analytics & Data Mining	2
• Internet of things	2
• Creating & Publishing web Pages	1
• E-Commerce	2
• Communication Skills-III	2

### Practical

<u>Course Title</u>	No. Of Credits
• CSS with Java Script	3
• VB Code Demo	3
• Python Basic Code Demo	2
• SQL and PL/SQL	3
• Project Presentation	2



## EVALUATION METHODOLOGY

The evaluation methodology for ICT programme consists of (i) Project and (ii) Term End Examination.

A student of ICT needs to secure at least 45% marks in Project and term end examination separately in a course to be declared successful in that particular course. This requirement is applicable for all the LEVELS of ICT. Evaluation Pattern for Theory & Practical Examination.

**Courses Project:** Max. Marks 50 (Only one Project for each course)

**Term End Examination:** Max. Marks 100

**Practical & Viva Voce:** - Max Marks 50

**Duration of Term End Examination:** 1.5 hours (Theory) + 1.5 Hour (Practical and Viva)

Depending on the percentage of marks secured by a candidate who has passed, the divisions will be awarded as follows:

Merit Above 85%	A+
First Division (75%-85%)	A
Second Division (60%-75%)	B+
Third Division (50%-60%)	B
Passed 45% above	<b>PASSED</b>

The University has adopted, a letter grading system on a five-point scale for reporting the students' performance in a programme. The letter grades and their qualitative levels are as under:

**Letter Grade Qualitative Level Point Grade % of Raw Marks**

**A** Excellent 75% and above    **B** Very Good 60% but less than 75%  
**C** Good 50% but less than 60%    **D** Satisfactory 2 40% but less than 50%  
**E** Unsatisfactory 1 Below 40%



# MARKANDA NATIONAL COLLEGE

## Add On Course : ICT

### Information and Computer Technology

#### **Level-1 Certificate**

#### **Theory**

<u>Course Title</u>	<u>No. Of Credits</u>
• Course Agenda with needs and impacts	1
• Fundamentals of Computer System	2
• Introduction to Information Technology	1
• Digital Documentation Software(Basic)	2
• Spreadsheet Software (Basic)	2
• Presentation software(Basic)	1
• Data Base (Basic)	1
• Internet & Web Technologies	1
• Basics of 'C' Programming Language	1
• Introduction to Artificial Intelligence	1
• Introduction to IOT	1
• Communication Skills-I	2

#### **Practical**

<u>Course Title</u>	<u>No. Of Credits</u>
• Utility of Operating System	2
• Word Processing Tools	2
• Spreadsheet Tools	3
• Presentation Tools	2
• Data Base Tools	1
• Web Page Design (Basics)	2
• 'C' Code Demo	2
• Project Submission	

*Abhishek Meenakshi*  
*Adarsh Ajay*



## ICT Certificate Course Level-1 Syllabus

- **Course Agenda with needs and impacts**  
Importance of ICT and ICT Abbreviations
- **Fundamentals of Computer System**
  - Block Diagram for working of Computer
  - Types of Devices
  - Memory Chart
  - Types of Languages and Translators
  - Number System Basics and Conversion of Digital to Binary and Vice Versa
  - Operating System Introduction and User Interface
  - Current data storage in Secondary Storage Devices
- **Introduction to Information Technology, Artificial Intelligence & IOT**  
Basic Terminologies and Features (from Ajay sir PPT)
- **Digital Documentation Software**
  - Details about Components of Document Window and Basic Editing and Formatting Features with inserting Pictures ,Table and Shapes etc.
- **Spreadsheet Software**
  - Details about Components of Spreadsheet Window and Basic Editing and Formatting Features with Borders and Merging Option
- **Presentation software**
  - Details about Components of Presentation Window and inserting different types of slides ,Designing, Animating and Transition concept
  - Different Slide View and Custom Slide show
- **Data Base (Basics)**
  - Difference between Data and Information , Importance Of DBMS, Basic Terminologies of DBMS & RDBMS and SQL Introduction & Different SQL Commands
- **Internet & Web Technologies**
  - History and Working of Internet with Terminologies ,WWW and Types of Connections



- **Basics of 'C' Programming Language**
- C History ,Features ,Structure ,Operand & Operators ,Data type and Qualifiers(Format Specifiers) and Input & Output statement declaration

### **Practical Concepts**

- **Utility of Operating System**  
Basic Shortcut Keys , Full forms and Extensions
- **Word Processing (Basic Shortcut Keys and Components of Document Interface with Various Tabs and Groups )**
- **Spreadsheet (Basic Shortcut Keys and Components of Spreadsheet interface with various Tabs and Groups )**
- **Presentation Tools(Basic Shortcut Keys and Components of presentation interface with various Tabs and Groups )**
- **Data Base Tools(Basic Keys concepts and SQL Commands)**
- **Web Page Design (Basics Tags and their attributes)**
- **'C' Code Demo( C structure details and Run & Compilation of C coding)**



**MARKANDA NATIONAL COLLEGE  
SHAHABAD MARKANDA  
LIST OF ICT STUDENTS FOR THE SESSION 2021-22**

Sr. No.	Admission No.	Name	Class	Course
1	1212112015010	MANVI	B. SC. I GIRLS (NON-MEDICAL)	ICT CERTIFICATE
2	1212112015003	MUSKAN	B. SC. I GIRLS (NON-MEDICAL)	ICT CERTIFICATE
3	1212112015004	NEELAKSHI TANWAR	B. SC. I GIRLS (NON-MEDICAL)	ICT CERTIFICATE
4	1212112002095	TAMNNA SHARMA	B.A. I (Girls)	ICT CERTIFICATE
5	1212112002056	ANOOP	B.A. I (Boys)	ICT CERTIFICATE
6	1212112002058	LOVNEET	B.A. I (Boys)	ICT CERTIFICATE
7	3172720001	ANAMIKA	B. SC. III (Girls) COMPUTER SCIENCE	ICT CERTIFICATE
8	3172710003	ABHINAV	B. SC. III (Boys) COMPUTER SCIENCE	ICT CERTIFICATE
9	1212112015016	ABHJEET KUMAR	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
10	1212112002087	ANU	B.A. I (Girls)	ICT CERTIFICATE
11	1212112002059	DEEPAK SINGH	B.A. I (Boys)	ICT CERTIFICATE
12	1212112015006	VINEY	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
13	3172710004	JAY DAYAL	B. SC. III (Boys) COMPUTER SCIENCE	ICT CERTIFICATE
14	3172610008	MANI KUMAR	B. SC. III (Boys) COMPUTER SCIENCE	ICT CERTIFICATE
15	1212112015014	TWINKLE	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
16	1212112015002	PRITI	B. SC. I GIRLS (NON-MEDICAL)	ICT CERTIFICATE
17	1212112015005	KAMAL SINGH	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
18	1212112015011	GURJOT	B. SC. I GIRLS (NON-MEDICAL)	ICT CERTIFICATE
19	1212112015015	MOHIT KUMAR	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
20	1212112015017	ANKUSH SHARMA	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
21	1212112015009	JATIN	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
22	1212112015012	ANKIT RAI	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
23	1212112015007	LAKSHITA	B. SC. I GIRLS (NON-MEDICAL)	ICT CERTIFICATE
24	1212112015021	ROHIT	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
25	1212112015018	SAHIL	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
26	1212112015023	RAMAN SANGWAN	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE



**MARKANDA NATIONAL COLLEGE  
SHAHABAD MARKANDA  
LIST OF ICT STUDENTS FOR THE SESSION 2021-22**

Sr. No	Admission No.	Name	Class	Course
27	1212112015022	ROMIL DHINDSA	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE
28	120211002040	SAHIL	B.A. II (Boys)	ICT CERTIFICATE
29	1212112002116	NANCY	B.A. I (Girls)	ICT CERTIFICATE
30	120211002150	RAHUL	B.A. II (Boys)	ICT CERTIFICATE
31	120211002151	ABHISHEK	B.A. II (Boys)	ICT CERTIFICATE
32	120211002050	PARMINDER SINGH	B.A. II (Boys)	ICT CERTIFICATE
33	120211015015	SARITA	B. SC. II GIRLS (NON-MEDICAL)	ICT CERTIFICATE
34	120211015019	ANJALI	B. SC. II GIRLS (NON-MEDICAL)	ICT CERTIFICATE
35	120211015018	VANDNA	B. SC. II GIRLS (NON-MEDICAL)	ICT CERTIFICATE
36	120211015022	PRIYANKA	B. SC. II GIRLS (NON-MEDICAL)	ICT CERTIFICATE
37	120211015023	AMIT	B. Sc. II (Boys) COMPUTER SCIENCE	ICT CERTIFICATE
38	120211015007	MUSKAN DEVI	B. Sc. II (Girls) COMPUTER SCIENCE	ICT CERTIFICATE
39	3172510108	DEEPAK	B.A. III (Boys)	ICT CERTIFICATE
40	120211015002	VINAYAK CHADHA	B. SC. II BOYS (NON-MEDICAL)	ICT CERTIFICATE
41	120211002064	VIRENDER SHARMA	B.A. II (Boys)	ICT CERTIFICATE
42	120211002009	PARVINDER SINGH	B.A. II (Boys)	ICT CERTIFICATE
43	1212112002054	DEEPIKA	B.A. I (Girls)	ICT CERTIFICATE
44	120211002060	AAKASH	B.A. II (Boys)	ICT CERTIFICATE
45	120211002107	HARSH SHARMA	B.A. II (Boys)	ICT CERTIFICATE
46	1212112015001	HARSHIV	B. SC. I BOYS (NON-MEDICAL)	ICT CERTIFICATE



# MARKANDA NATIONAL COLLEGE

Shahabad Markanda - 136 135 (Kurukshetra)

Ref. No. MNC/22/689

Date 13-06-2022

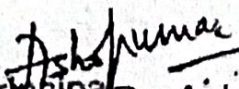
To

Ms. Ritu Mittal  
Asstt. Professor of Computer Science  
Arya Kanya Mahavidyalya  
Shahabad Markanda

Madam,

You have been appointed as External Examiner for the conduct of Practical Examination ICT Course Level -I & II at our college on 15.06.2022 (M) at 11.30 am. Kindly confirm and acknowledge the same at your earliest.

Yours faithfully,

  
Principal (Dr. Ashok Kumar)  
Markanda National College  
Shahabad Markanda (Haryana)

Copy to: 1. Principal, Arya Kanya Mahavidyalya, Shd (M)



**Markanda National College ,Shahabad Markanda**  
**Information and Computer Technology - Certificate Level-1**  
**Result Sheet -Session 2021-22**

Sr. No	Roll No	Name	Class	University Registration No.	Father's Name	Theory (100)	Project File (50)	Viva-Voce (50)	Total (200)	% age	Position
1	1212112015010	MANVI	B.Sc.-1 year	21-MS-290	Mr. Gopi Nath	60	46	44	150	75	
2	1212112015003	MUSKAN	B.Sc.-1 year	21-MS-282	Mr. Ramji Lal	ABSENT					
3	1212112015004	NEELAKSHI TANWAR	B.Sc.-1 year	21-MS-286	Mr. Kanwarjeet	53	46	44	143	71.5	
4	1212112015016	ABHIJEET KUMAR	B.Sc.-1 year	21-MS-294	Mr. Naresh Kumar	57	49	46	162	81	Third
5	1212112015006	VINEY	B.Sc.-1 year	21-MS-287	Mr. Darshan Lal	60	47	40	147	73.5	
6	1212112015014	TWINKLE	B.Sc.-1 year	21-MS-292	Mr. Satish Kumar	57	46	40	143	71.5	
7	1212112015002	PRITI	B.Sc.-1 year	21-MS-281	Mr. Gurmej	48	46	46	140	70	
8	1212112015005	KAMAL SINGH	B.Sc.-1 year	19-UE-1176	Mr. Pawan Kumar	79	48	49	176	88	First
9	1212112015011	GURJOT	B.Sc.-1 year	21-MS-289	Mr. Jaswinder Singh	58	46	46	150	75	
10	1212112015015	MOHIT KUMAR	B.Sc.-1 year	21-MS-293	Mr. Baldev Kumar	55	46	36	137	68.5	
11	1212112015017	ANKUSH SHARMA	B.Sc.-1 year	21-MS-295	Mr. Ashok Kumar	33	44	36	113	56.5	
12	1212112015009	JATIN	B.Sc.-1 year	21-MS-288	Mr. Suresh Pal	43	44	40	127	63.5	
13	1212112015012	ANKIT RAI	B.Sc.-1 year	21-MS-291	Mr. Gulali Rai	58	47	44	149	74.5	
14	1212112015007	LAKSHITA	B.Sc.-1 year	21-MS-283	Mr. Baldev Saini	ABSENT					
15	1212112015021	ROHIT	B.Sc.-1 year	21-MS-297	Mr. Jasbir Singh	59	44	36	139	69.5	
16	1212112015018	SAHIL	B.Sc.-1 year	21-MS-296	Mr. Malkit	51	42	36	129	64.5	
17	1212112015023	RAMAN SANGWAN	B.Sc.-1 year	21-MS-285	Mr. Subram Pal	ABSENT					
18	1212112015022	ROMIL DHINDSA	B.Sc.-1 year	21-MS-284	Mr. Balwinder Singh	ABSENT					
19	1212112015001	HARSHIV	B.Sc.-1 year	21-MS-280	Mr. Sanjiv Kumar	ABSENT					
20	1212112002095	TAMNNA SHARMA	B.A.-1 year	21-MS-72	Mr. Vidya Sagar	ABSENT					



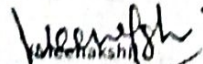
**Markanda National College ,Shahabad Markanda**  
**Information and Computer Technology - Certificate Level-1**  
**Result Sheet -Session 2021-22**

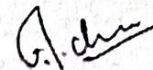
Roll No	Name	Class	University Registration No.	Father's Name	Theory (100)	Project File (50)	Viva-Voce (50)	Total (200)	% age	Position	
1	1212112002056	ANOOP	B.A.-1 year	21-MS-42	Mr. Dayal Chand	48	42	36	126	63	
2	1212112002058	LOVENEET	B.A.-1 year	21-MS-44	Mr. Naresh Kumar	36	42	36	114	57	
3	1212112002087	ANU	B.A.-1 year	21-MS-68	Mr. Sunil Kumar	ABSENT					
24	1212112002059	DEEPAK SINGH	B.A.-1 year	21-MS-45	Mr. Naib Singh	37	44	38	119	59.5	
25	1212112002116	NANCY	B.A.-1 year	21-MS-80	Mr. Miha Singh	59	42	38	139	69.5	
26	1212112002054	DEEPIKA	B.A.-1 year	21-MS-41	Mr. Munna Singh	60	46	50	156	78	
27	120211015015	SARITA	B.Sc.-2 year	20-MS-291	Mr. Rajesh Kumar	51	44	36	131	65.5	
28	120211015019	ANJALI	B.Sc.-2 year	20-MS-260	Mr. Hari Singh	45	44	36	125	62.5	
29	120211015018	VANDNA	B.Sc.-2 year	20-MS-259	Mr. Ramesh Kumar	62	44	40	146	73	
30	120211015022	PRIYANKA	B.Sc.-2 year	20-MS-263	Mr. Randhir	48	44	36	128	64	
31	120211015023	AMIT	B.Sc.-2 year	20-MS-264	Mr. Manoj	73	45	44	162	81	Third
32	120211015007	MUSKAN DEVI	B.Sc.-2 year	20-MS-253	Mr. Jagdish Chand	56	46	44	146	73	
33	120211015002	VINAYAK CHADHA	B.Sc.-2 year	20-MS-267	Mr. Narinder Kumar	60	46	44	150	75	
34	120211002040	SAHIL	B.A.-2 year	20-MS-29	Mr. Baldev	70	50	46	166	83	Second
35	120211002150	RAHUL	B.A.-2 year	20-MS-101	Mr. Prem Kumar	42	46	40	128	64	
36	120211002151	ABHISHEK	B.A.-2 year	20-MS-102	Mr. Rishipal	36	42	36	114	57	
37	120211002050	PARMINDER SINGH	B.A.-2 year	20-MS-36	Mr. Mam Chand	51	44	36	131	65.5	
38	120211002064	VIRENDER SHARMA	B.A.-2 year	20-MS-49	Mr. Pardeep Kumar	50	46	40	136	68	
39	120211002009	PARVINDER SINGH	B.A.-2 year	20-MS-6	Mr. Gurmail Singh	52	46	40	138	69	
40	120211002060	AAKASH	B.A.-2 year	20-MS-45	Mr. Shish Pal	52	42	36	130	65	

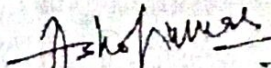


**Information and Computer Technology - Certificate Level-1**  
**Result Sheet -Session 2021-22**

Sr. No	Roll No	Name	Class	University Registration No.	Father's Name	Theory (100)	Project File (50)	Viva-Voice (50)	Total (200)	% age	Pc
41	120211002107	HARSH SHARMA	B.A. 2 year	20-MS-79	Mr. Rajesh Kumar	38	44	44	126	63	
42	3172720001	ANAMIKA	B.Sc-3 year	19 MS 296	Mr. Jitender Kumar	36	44	46	126	63	
43	3172710003	ABHINAV	B.Sc-3 year	19-MS-210	Mr. Parveen Kumar	50	40	36	126	63	
44	3172710004	JAY DAYAL	B.Sc-3 year	19-MS-287	Mr. Mani Ram	ABSENT					
45	3172610008	MANI KUMAR	B.Sc-3 year	19-MS-209	Mr. Balvinder Kumar	ABSENT					
46	3172510108	DEEPAK	B.A.-3 year	19-MS-271	Mr. Ramesh Kumar	53	42	46	141	70.5	

  
ICT Certificate - Incharge

  
(Dr. Jawahar Lal)  
ICT Co-ordinator

  
(Dr. Ashok Kumar)  
Principal



















# Level-2 Diploma

## Theory

Course Title	No. Of Credits	
• Computer & Information Technology	2	✓
• Number System	1	✓
• Digital Documentation Software-Intermediate	1	✓
• Spreadsheet Software-Intermediate	1	✓
• Presentation Software-Intermediate	2	
• 'C' Programming Language-Intermediate	2	✓
• Web Designing	2	✓
• Computer Network & IOT	1	✓
• Database Management System-(Access/SQL)	1	
• Object Oriented Programming Structural Language - C++(Basics)	1	
• Basics About Python	1	
• Communication Skill-II	2	

## Practical

Course Title	No. Of Credits	
• Word Processing- Intermediate	2	✓
• Spreadsheet -Intermediate	1	✓
• Presentation - Intermediate	1	
• Data Base Access & SQL- Intermediate	1	
• 'C' Intermediate Code Demo	3	
• HTML & DHTML	3	
• C++ Basic Code Demo	1	
• Python -Basic Code Demo	1	

• Project Presentation

Meenakshi

Soni

Ashwini

Jay



# Syllabus (ICT DIPLOMA)

- **Computer and Information Technology:**  
Block diagram of computer; Configuration of system; Shortcut keys (utility of operating system).
- **Number System:**  
Introduction: Decimal Number System, Binary Number System, Octal Number system, Hexadecimal Number System; Conversions: Decimal to Binary, Decimal to Octal, Decimal to hexadecimal, Binary to Decimal, Octal to Decimal, Hexadecimal to Decimal, Binary to Octal, Octal to Binary, Binary to Hexadecimal, Hexadecimal to Binary.
- **Digital Documentation Software:**  
Components of Document Interface; Information about Tab, Group and Ribbon; Insert Tab: Picture, Shape, SmartArt, Table, etc; Editing: Cut, Copy, Paste, Open, Save, Save As, Find, Replace, GoTo; Formatting: Alignment, Line Spacing, Bullets & Numbering, Border.
- **Spreadsheet Software:**  
Components of Spreadsheet; Entering data in Worksheet and Formatting; Merging: Rows & Columns; Autofill; Border; Changing in Height & Width of Row, Column and Cell.
- **Presentation Software:**  
Components of PowerPoint; Inserting new Slide; Designing, Animating and Transition of a Slide, Custom Slideshow; View of Slide/Presentation.
- **C Language:**  
Introduction, Importance, Structure of C; C features, Keywords, Variables: Local and Global, Data Types, Constants; C Operators; Functions; Formatted & Unformatted I/O Functions: scanf(), printf(), getch(), clrscr(); Decision making statements and loops: IF, IF-ELSE, FOR, WHILE, DO-WHILE, BREAK & SWITCH statements.
- **Web Designing:**  
Introduction to HTML, HTML features, HTML Tags: Header, Title, Body, Paragraph; Heading Tag; Text Style, Text Structuring; Background Colour & Image; Ordered & Unordered Lists; Creating Links; Images; Table handling; Movement of Text/Image.
- **Computer Networks & IOT:**  
Introduction to Computer Network, Types of Computer Network: LAN, MAN & WAN, Wi-Fi vs Wi-Fi Max; Introduction to IOT, Features, Basic Terminology of Internet.



➤ **DataBase Management System:**

Data, Information, Difference b/w Data & Information, Features of DBMS, Representation of Data in Table, Different Keys, SQL Commands: DDL, DML, DCL, TCL, DQL.

➤ **Introduction to C++:**

Introduction, Importance, Structure of C++; C++ Features; Basic Concepts: Class, Object, Data Hiding, Data Encapsulation, Data Member, Member Functions; I/O Functions: cin, cout.

➤ **Python:**

Introduction, Purpose to use it, Features, Working in Jupiter Interface, Data Types, Input and Output of Basic Python Statement.





# MARKANDA NATIONAL COLLEGE

Shahabad Markanda - 136 135 (Kurukshetra)

Ref. No. MNC/22/689

Date...13-06-2022

To

Ms. Ritu Mittal  
Asstt. Professor of Computer Science  
Arya Kanya Mahavidyalya  
Shahabad Markanda

Madam,

You have been appointed as External Examiner for the conduct of Practical Examination ICT Course Level -I & II at our college on 15.06.2022 (M) at 11.30 am. Kindly confirm and acknowledge the same at your earliest.

Yours faithfully,

*Ashok Kumar*  
Principal  
(Dr. Ashok Kumar)  
Markanda National College  
Shahabad Markanda (Haryana)

Copy to: 1. Principal, Arya Kanya Mahavidyalya, Shd (M)

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Markanda National College, Shahabad Markanda  
Information and Computer Technology - Diploma Level -2  
Result Sheet -Session 2021-22

Sr. No	Roll No	Name	Father Name	Class	University Registration No.	Theory (100)	Project File (50)	Practical (25)	Viva (25)	Practical + Viva (50)	Total (200)	% age	Positions
1	120211015004	Akshit Punia	JAGBIR SINGH	B.Sc.-2 year	20-MS-268	43	40	18	23	41	124	62%	
2	120211015017	Ankush	KARAM SINGH	B.Sc.-2 year	20-MS-258	40	40	18	20	38	118	59%	
3	120211002159	Arun	SOM NATH	B.A.-2 year	20-MS-108	36	35	15	18	33	104	52%	
4	120211015013	Keshav Saini	GHANSHYAM	B.Sc.-2 year	20-MS-256	47	40	22	18	40	127	64%	
5	120211015005	Lovika Rani	LAL CHAND	B.Sc.-2 year	20-MS-252	52	45	25	22	47	144	72%	First
6	120211015003	Mahak	SANT KUMAR	B.Sc.-2 year	20-MS-251	45	45	22	22	44	134	67%	Third
7	120211015011	Nikhil Dhiman	PARVEEN KUMAR	B.Sc.-2 year	20-MS-255	45	42	20	18	38	125	63%	
8	120211015006	Ramanpreet Kaur	KANWALJIT SINGH	B.Sc.-2 year	18-AKS-399								
9	120211015020	Vishal	RAJESH KUMAR	B.Sc.-2 year	20-MS-261	48	43	20	24	44	135	68%	Second
ABSENT													

(Sonia)  
ICT Diploma - Incharge

(Dr. Jawahar Lal)  
ICT Coordinator

(Dr. Ashok Kumar)  
Principal



# Student Details

Sr. No.	Name	Class	Class Roll No.	University Registration No.	Father's Name	Mobile No.
01	Akshit Punia	B Sc -2 year	120211015004	20-MS-268	Mr Jagbir Singh	7082056638
02	Ankush	B.Sc.-2 year	120211015017	20-MS-258	Mr. Karam Singh	8221036183
03	Arun	B.A.-2 year	120211002159	20-MS-108	Mr. Som Nath	9896484033
04	Keshav Saini	B Sc.-2 year	120211015013	20-MS-256	Mr. Ghanshyam	9991257615
05	Lovika Rani	B Sc.-2 year	120211015005	20-MS-252	Mr. Lal Chand	9817697452
06	Mahak	B.Sc.-2 year	120211015003	20-MS-251	Mr. Sant Kumar	9729748278
07	Nikhil Dhiman	B.Sc.-2 year	120211015011	20-MS-255	Mr. Parveen Kumar	8059713797
08	Ramanpreet Kaur	B Sc.-2 year	120211015006	18-AKS-399	Mr. Kanwaljit Singh	9350011609
09	Vishal	B.Sc.-2 year	120211015020	20-MS-261	Mr. Rajesh Kumar	9813616780



Class: ICT  
Section: Diploma

**MARKANDA NATIONAL**

**ATTENDANCE REGISTER**

DATES

Serial No.	Roll No.	NAME	DATES																		
			01	02	03	04	05	06	07	08	09	10	11	12							
1.		Ketav Saini		P	P			P	P												
2.		Yishal		P	P			P	P	P											
3.		Nikhil		P																	
4.		Akshit		P	P			P	P	P											
5.		Ankush		P	P			P	P	P											
6.		Mahak		P	P			P	P	P											
7.		Lavika		P	P			P	P												
8.		Ramanpreet						P	P												
9.		Arun		P	P																

**COLLEGE, SHAHABAD (M)**

**REGISTER**

DATES

Serial No.	Roll No.	NAME	DATES											Lectures Delivered	Lectures Attended	Test Marks	Assign. Marks	Attended Marks			
			10	11	12	13	14	15	16	17	18	19	20						21		
1.		Ketav Saini		P	P																
2.		Yishal		P	P			P	P	P											
3.		Nikhil																			
4.		Akshit		P	P			P	P	P											
5.		Ankush		P	P			P	P	P											
6.		Mahak		P	P			P	P	P											
7.		Lavika		P	P			P	P												
8.		Ramanpreet						P	P												
9.		Arun		P	P																



