

RKG Learning System

END TERM REPORT

by

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L OVELY
P ROFESSIONAL
U NIVERSITY

**Department of Intelligent Systems
School of Computer Science Engineering
Lovely Professional University, Jalandhar
April – 2021**

Student Declaration

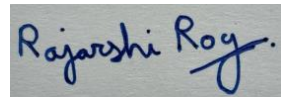
This is to declare that this report has been written by me/us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. I/We aver that if any part of the report is found to be copied, I/we shall take full responsibility for it.



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April 30th, 2021

BONAFIDE CERTIFICATE

Certified that this project report “RKG Learning System” is the bonafide work of “Govind Gupta, Kashish Agarwal and Rajarshi Roy” who carried out the project work under my supervision.

Dr. Dhanpratap Singh
Professor
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Department of Supervisor

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Background and objectives

RKG Learning System is an online tool to help every student to study online comfortably. Our objective is to make online education awesome and simple so that each child can access it without any fee or without any clutter.

We want to provide consistent, best-in-class support, communicating effectively, provide simple, universal access to information and services for all the students by managing, resolving, and preventing problems efficiently.

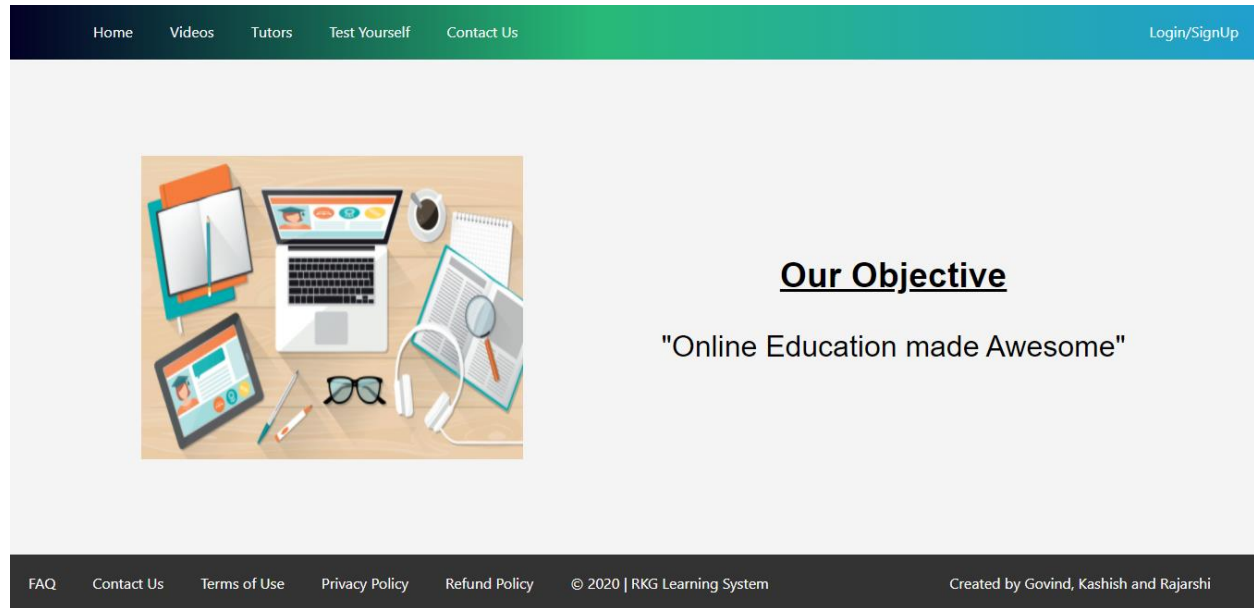
Our objective is to research and provide more advanced web tools for the School of Education to enhance its web presence in a way that will reach and attract more potential students and meet our community's changing needs, improve the online communications ability for individuals and groups associated with the School of Education, Expand and enhance technology support tools to meet the School of Education's current needs and expectations.

We want to maintain current technology hardware, software and network infrastructure so that it is reliably available and enhance security awareness throughout the School of Education.

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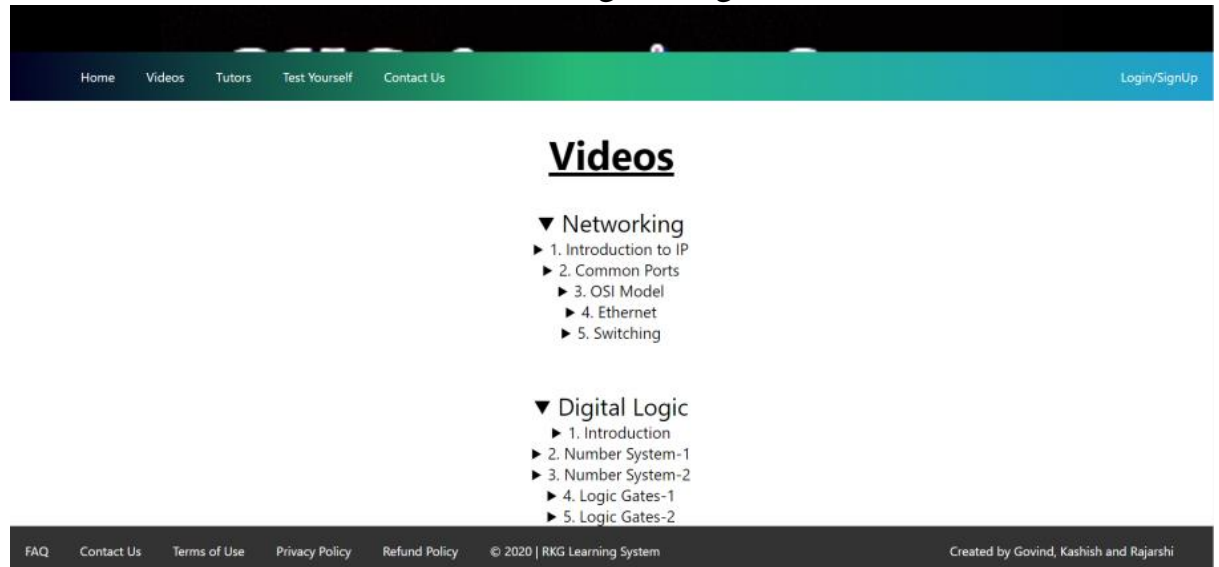
1. Home

In our home page, we have inserted a quote said by Nelson Mandela that says that, Online Education is the most powerful weapon you can use to change the world, we have inserted this so that the person visiting our page gets motivated by this quote. We have also written our objective, i.e., "Online Education Made Awesome".



2. Videos

In the videos page, there will be the full library of the videos collections of tutors, for the time being we have inserted two YouTube playlist, the first playlist is related to the topic of Networking, as we all know that in Computer Science, Networking is one of the most important subjects, so I have inserted and another is of Digital Logic.



Networking, also known as computer networking, is the practice of transporting and exchanging data between nodes over a shared medium in an information system. Through these videos, our educator explains about IP, Ports, OSI Model, Ethernet and Switching.

▼ Networking

- ▶ 1. Introduction to IP
- ▶ 2. Common Ports
 - ▶ 3. OSI Model
 - ▶ 4. Ethernet
- ▼ 5. Switching



Digital electronics is a field of electronics involving the study of digital signals and the engineering of devices that use or produce them. Digital electronic circuits are usually made from large assemblies of logic gates, often packaged in integrated circuits.

▼ Digital Logic

- ▶ 1. Introduction
- ▶ 2. Number System-1
- ▶ 3. Number System-2
- ▶ 4. Logic Gates-1
- ▼ 5. Logic Gates-2



3. Tutors

In the tutors page, there is the profile picture of our tutors, one of them is Professor Messor which is one of the most reputed resource person for Networking, his LinkedIn Profile is

<https://www.linkedin.com/company/professormesser/>

and the link to his YouTube channel is

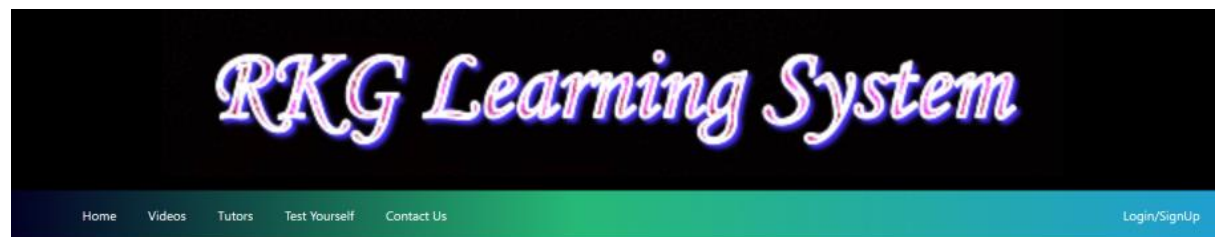
<https://www.youtube.com/user/professormesser>

The another one is the Master Blaster teacher of Digital Electronics, Ankit Goyal, he got two times AIR 1 in GATE Exam in Electronics Branch and he is now currently working as the director of GATE Department in Unacademy. His LinkedIn Profile is

<https://www.linkedin.com/in/ankit-goyal-77977359/>

and the link to his YouTube channel is

<https://www.youtube.com/channel/UCXFxwj7DwumpUu5RNWlznTw>



Our Tutors



Professor Messor



Ankit Goyal

4. Test Yourself

In this page, students can come and check their knowledge if it is up to mark or not. We have framed some important questions related to the topic and we can expand the questions to a much larger extent. We have used details tag in the answers so that the students first try to solve the question and if they are unable to solve it then they can click on the answer button and the answer will slide there. We have made 10 questions each of Networking and Digital Logic but as we will put more videos on our site, more questions of different topics will be uploaded.

[Home](#) [Videos](#) [Tutors](#) [Test Yourself](#) [Contact Us](#) [Login/SignUp](#)

Test Yourself

Networking

1. The IETF standards documents are called _____.
A) RFC
B) RCF
C) ID
D) DFC
▶ View Answer
2. In the layer hierarchy as the data packet moves from the upper to the lower layers, headers are _____.
A) Added
B) Removed
C) Rearranged
D) Modified
▶ View Answer
3. The structure or format of data is called _____.
A) Automatic
B) Half-duplex
C) Full-duplex
D) Simplex
▶ View Answer

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Digital Logic

1. A register is defined as _____.
A) The group of latches for storing one bit of information
B) The group of latches for storing n-bit of information
C) The group of flip-flops suitable for storing one bit of information
D) The group of flip-flops suitable for storing binary information
▶ View Answer
2. The register is a type of _____.
A) Sequential circuit
B) Combinational circuit
C) CPU
D) Latches
▶ View Answer
3. How many types of registers are?
A) 2
B) 3
C) 4
D) 5
▶ View Answer
4. The main difference between a register and a counter is _____.
A) A register has no specific sequence of states
B) A counter has no specific sequence of states
C) A register has capability to store one bit of information but counter has n-bit
D) A register counts data

5. Contact Us

If any student has any query, they can visit our social media pages through the links given in the page. For the time being, we don't have any dedicated phone number and email so they can visit our personal social media handles and can DM us their queries.



6. Login/SignUp

Every student has their own pace of learning and every student wants to keep track of their progress and their pathways, so they can create their individual account on the page and in the page their progress will be saved so that whenever they want they can visit our site and start learning from the place they left before.

Login

Username:*

Password:*

Login

Register

Registration Form

Name:*

Gender

Gender: Male ☐ Female ☐

Contact No.:*

Email:

Class:*

----Select Your Class----

Date of Birth:

HomeVideosTutorsTest YourselfContact UsLogin/SignUp

Date of Birth:

dd-mm-yyyy

Address:

Pincode:*

Create a Password:*

Confirm your Password:*

HomeVideosTutorsTest YourselfContact UsLogin/SignUp

Pincode:*

Create a Password:*

Confirm your Password:*

Register

FAQContact UsTerms of UsePrivacy PolicyRefund Policy© 2020 | RKG Learning SystemCreated by Govind, Kashish and Rajarshi

Description of the project

Our topic was Learning System so we have made a site where any student from anywhere can access the learning materials for free and check their knowledge as well as can save their progress for further usage.

This is a software application for the administration, documentation, tracking, reporting, automation and delivery of educational courses, training programs, or learning and development programs.

This is the best way to save your energy and money at the same moment.

Implementation of schedule work of project

We have made 6 different pages which are themselves unique and perfectly describes our project. Each of them contains some of peculiar images and background also some of them also contains videos describing our websites and our works. We have linked all 6 pages together to provide user a seamless experience and a very friendly interference. User can jump to any of the pages anytime they wanted to be.

Role of each member

- 1. Govind Gupta (12006638)**
Header, Footer, Navigation Bar, Homepage, Videos Page and Contact Us Page.
- 2. Kashish Agarwal (12444400)**
Tutors Page and Test Yourself Page.
- 3. Rajarshi Roy (12001342)**
Login and SignUp Page.

Technologies and Framework Used

- HTML
(HyperText Markup Language)
- CSS
(Cascading Style Sheet)

SWOT Analysis of the Project



1. Strengths- This project can be used for free by poor and unprivileged students to get the study materials required for their education
2. Weaknesses- This project does not include contents of each and every classes and topics. This can be improved by adding more and more contents.
3. Opportunities- This project can be hosted on internet and can be made a startup where we can provide education to each and every child of the country

4. Threats- There are many organizations and many startups who provide better faculties to teach students online. They is a loot in the market who are defaming online educations as well.