Deep Codec Guru Website Phase-1 Requirement Document

1. Sign In and Sign Up page with Email Verification

1.1 Sign In: Details Required "Email/Phone/UserName and Password"

- **Email**: Must validate at time of Registration with Link or OTP
- **Phone**: Should be allowed to add under user profile after registration
- **UserName**: "First 4 letter from first Name" + "_" + "DDMMYYYY of user registered" [Auto generate after Sign UP]
- **Password**: Password reset process should be allowed Either via Verified Email Link or 3 Security Question out of 5 Security Questions [Please, set some standard Security Question and follow market standard to collect the security questions info]
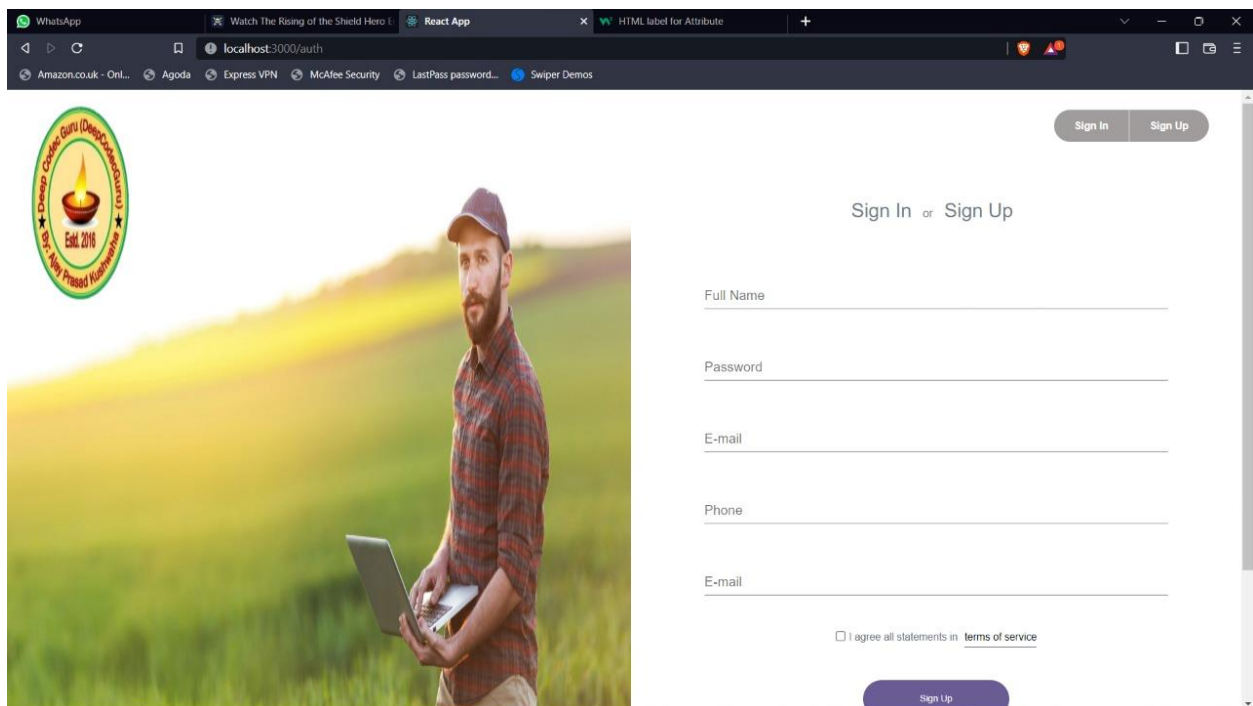
1.2 Sign Up: Details Required "Captcha verification, Full Name, Email, Password with retype for confirmation, Profession"

- **Captcha Verification**: Sign Up should be allowed only after Captcha verification [Any Captcha Verification method can be used]
- **Full Name**: First Name + Middle Name + Last Name
- **Email**: First Level Email Validation should be done as soon as user fill Email field and on Sign Up it should go under Email Verification Process before create account for user
- **Password**: Must be 8 characters [Combination of Upper Letter, Lower Letter, Number and Special character; For User example can be suggested with Invalid Password Warning; Password mismatch should only clean Password fields]
- **Sign Up should be also allowed with Microsoft/Google/Facebook accounts [Please, prefer Layout based on your recommendation or market standard]**
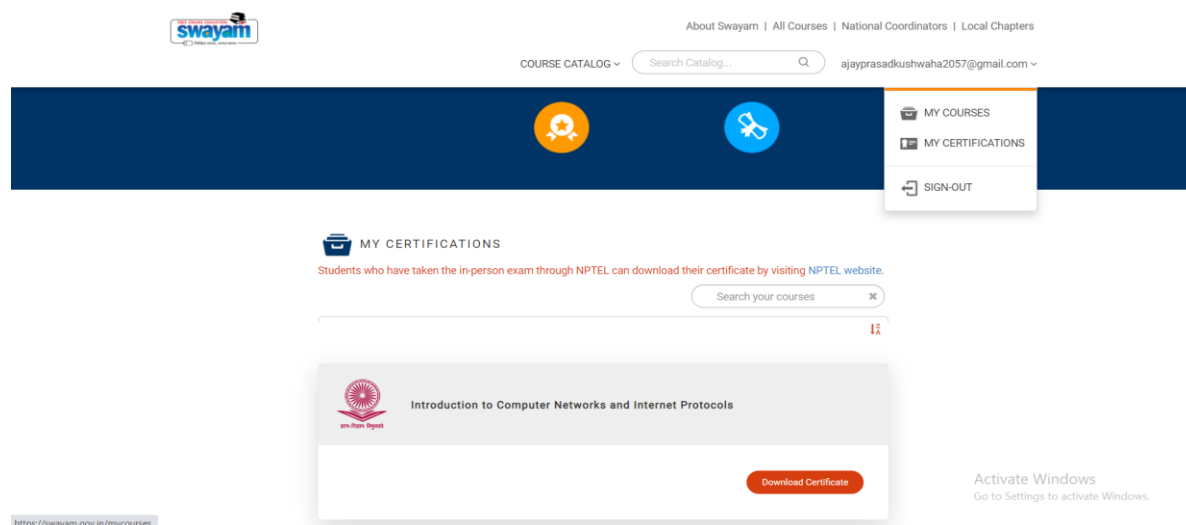
1.3 Special Notes for User profile:

User Profile details should be created: My Profile, My Courses, My Badge, My Reward, My Certificate, My Coins, My Coupons, Security Questions, Learning Time, and Sign out

- ## My Profile:

  Must Contain User Photo with Upload feature, Email, Alternate Email, DOB, Change Password, Display Name, Aadhaar number, Father's or Mother's Name for Certificate, Qualification details optional to add, WhatsApp Number optional for notification, LinkedIn profile Link, Instagram profile link, About Me

AJAY PRASAD KUSHWAHA

✉ajayprasadkushwaha2057@gmail.com
🎂 Jan 14 2001

ADITYA INSTITUTE OF TECHNOLOGY & MANAGEMENT, K.Kothuru, Tekkali - 532201, Srikakulam District, A.P(CC-A5)

B. Tech., Computer Software Engineering

Aug 2017 - Sep 2021

Grade: 8.14/10

Activities and societies: 1. In 2018, established an educational club namely "AITAM-BUZZ" which is renamed to Deep Codec Guru (DCG). For details, visit: https://www.deepcodecguru.com

Uniglobe SS/College

+2 Science, Biology with Extra Mathemematics

Mar 2015 - Jul 2017

Grade: Biology with extra Maths.

Activities and societies: 1. Worked as a Chief Editor in a classroom Magazine

Show all 5 education →

- **My Courses:**
  Should contains completed and ongoing courses

MY COURSES

⟳ SYNC COURSES

Search your courses ✖

Upcoming/Ongoing ↓ᶻₐ	Completed ↓ᶻₐ

Linux for Sys-Ads

Go to Course

MY COURSES

⟳ SYNC COURSES

Search your courses ✖

| Upcoming/Ongoing | ↓Z/A | Completed | ↓Z/A |

Introduction to Computer Networks and Internet Protocols

Go to Course

- ## My Badge:

Badge on each course completion

Explore Badges

Data Science Tools

Containers K8s And Istio On IBM Cloud

DataOps Methodology

Data Science Tools
Course Badge

IBM
Data Science Tools

HOW TO EARN THIS BADGE

This badge is earned after successfully completing all course activities and passing the test of the following Cognitive Class course:

Data Science Tools

Learn about the most popular data science tools, including how to use them and what their features are.

Learn more

WHY EARN THIS BADGE?

This badge earner is able to use Jupyter Notebooks including its features and popular tools used by R Programmers including RStudio IDE. The earner understands how to use various data science and data visualization tools hosted on Skills Network Labs. The individual is familiar with IBM Watson Studio including its features and capabilities, and can create and share a Jupyter Notebook.

- ## My Reward:

Under this Recognition certificate on joining Anniversary, attending multiple Events, Membership certificate and so on should be issued

NPTEL is proud to recognise you as an 'NPTEL Star' - **Click here**

Roll number	Category	Timeline	Download E-certificate
NPTELDS12100000062	NPTEL DOMAIN SCHOLARS	Jan-Apr 2021	Download
NPTELSS12106100043	NPTEL BELIEVERS	Jan-Apr 2021	Download
NPTELSS21903001987	NPTEL MOTIVATED LEARNERS	Jul-Dec 2019	Download
NPTELSS21905000380	NPTEL DISCIPLINE STARS	Jul-Dec 2019	Download
NPTELSS21906000219	NPTEL BELIEVERS	Jul-Dec 2019	Download
NPTELSS22004001625	NPTEL ENTHUSIASTS	Jan-Dec 2020	Download
NPTELSS22102100651	NPTEL EVANGELISTS	Jul-Dec 2021	Download

CERTIFICATE OF APPRECIATION

TO

AJAY PRASAD KUSHWAHA

for being recognized as NPTEL BELIEVER
JAN-APR 2021

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL BELIEVER
Candidate has to be present in 4/5/6
exams, passing at least 4 of these exams

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swayam

- ## My Certificate:

Under this course and Others completion section [Certificate will be allow "Select for MarkSheet" or "Click Here to download" only if user has Redeem coins for the courses otherwise it will ask to Redeem coins to enable the feature; It should also allow user to share the Certificate on Social Media like LinkedIn, FaceBook; To enable share on Social Media Per Certificate 2 Super Coin should be used]

Advanced Styling with Responsive Design
University of Michigan
Grade Achieved: 94.55%

Instructions

Enter the following in the Licenses & Certifications section in LinkedIn:

- Name: Advanced Styling with Responsive Design
- Issuing Organization: Coursera
- Issue Date: May 2020
- Expiration Date: *This certification does not expire*
- Credential ID: CG2LTKMGFHEH
- Credential URL: https://www.coursera.org/account/accomplishments/certificate/CG2LTKMGFHEH

Add to LinkedIn ⌃

	Timeline	Name	Course Name	Assignment score out of 25	Exam score out of 75	Final Score out of 100	View details
			NOC Exam results				
☐	Jan-Apr 2021	AJAY PRASAD KUSHWAHA	Introduction to Machine Learning	21.88	41.75	64	Click here
☐	Jan-Apr 2021	AJAY PRASAD KUSHWAHA	Artificial Intelligence: Knowledge Representation and Reasoning	16.06	17.45	34	Click here
☐	Jan-Apr 2021	AJAY PRASAD KUSHWAHA	Deep Learning - IITKGP	22.53	42	65	Click here
☐	Jan-Mar 2021	AJAY PRASAD KUSHWAHA	AI: Constraint Satisfaction	23.29	30	53	Click here
☐	Jan-Mar 2021	AJAY PRASAD KUSHWAHA	Data Science for Engineers	23.00	33	56	Click here
☐	Jan-Apr 2020	AJAY PRASAD KUSHWAHA	An Introduction To Programming Through C++	23.06	56.5	80	Click here
☐	Feb-Apr 2020	AJAY PRASAD KUSHWAHA	Enhancing Soft Skills and Personality	24.5	59.25	84	Click here
☐	Jul-Oct 2018	AJAY PRASAD KUSHWAHA	Discrete Mathematics	24.09	58.5	83	Click here
☐	Aug-Sep 2018	AJAY PRASAD KUSHWAHA	Programming, Data Structures and Algorithms using Python	25.00	30	55	Click here
☐	Jan-Apr 2018	AJAY PRASAD KUSHWAHA	Problem Solving through Programming in C	24.08	42	66	Click here

Marklist Download

As soon as click on "Click here"

NOC candidate profile

AJAY PRASAD KUSHWAHA

✉ ajayprasadkushwaha2057@gmail.com
🎂 Jan 14 2001

🖨 Payment receipt

NOC Exam results

Timeline	Name	Course Name	Assignment score out of 25	Unproctored programming exam score out of 25	Exam score out of 50	Final Score out of 100	Download E-Certificate
Jul-Oct 2019	AJAY PRASAD KUSHWAHA	Programming In Java	24.75	25	39	89	Download E-Certificate

Assignment Scores:

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
100	98.33	100	96.67	83.33	97.5	95	100	98.33	95.83	81.67	98.33

Calculation Logic:
- Assignment Score = Average of best 8 out of 12 assignments.
- FINAL SCORE (Score on Certificate) = 75% of Exam Score + 25% of Assignment Score.

ELIGIBILITY CRITERIA TO GET A CERTIFICATE:
AVERAGE ASSIGNMENT SCORE >=10/25 AND EXAM SCORE >= 30/75 AND FINAL SCORE >=40
BASED ON THE FINAL SCORE, Certificate criteria will be as below:
>=90 - Elite + Gold
75-89 -Elite + Silver
>=60 - Elite
40-59 - Successfully Completed

As soon as click on "Marksheet Download" after selecting certificate name to be in Marksheet

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MARKSHEET

Name: **AJAY PRASAD KUSHWAHA**

DOB: **14-01-2001**

Discipline	Year	Course Name	Marks		Total Marks (100%)	Status	Performance
			Assignment (25%)	Exam (75%)			
CS	2019	Programming In Java	49.75	39	89	Pass	Elite + Silver
CS	2018	Discrete Mathematics	24.09	58.5	83	Pass	Elite

PROF. ANDREW THANGARAJ
NPTEL COORDINATOR
IIT MADRAS

ID	DEPARTMENT NAME
AE	Aerospace Engineering
AG	Agriculture
CE	Architecture
BT	Biotechnology
CH	Chemical Engineering
CY	Chemistry and Biochemistry
CE	Civil Engineering
CS	Computer Science and Engineering
EE	Electrical Engineering
EC	Electronics & Communication Engineering
ED	Engineering Design
BT	General
HS	Humanities and Social Sciences
MG	Management
MA	Mathematics
ME	Mechanical Engineering
MM	Metallurgy and Material Science
MM	Mining Engineering
GE	Multidisciplinary
OE	Ocean Engineering
PH	Physics
SS	Special Lecture Series
DE	Textile Engineering

Total Mark	Performance
>=90	Elite + Gold
75-89	Elite + Silver
>=60	Elite

✓ **Course Certificate:** Certificate on each course completion should be issued

✓ **Others Certificate:** Event attended, Participated in contest, Appreciation certificate
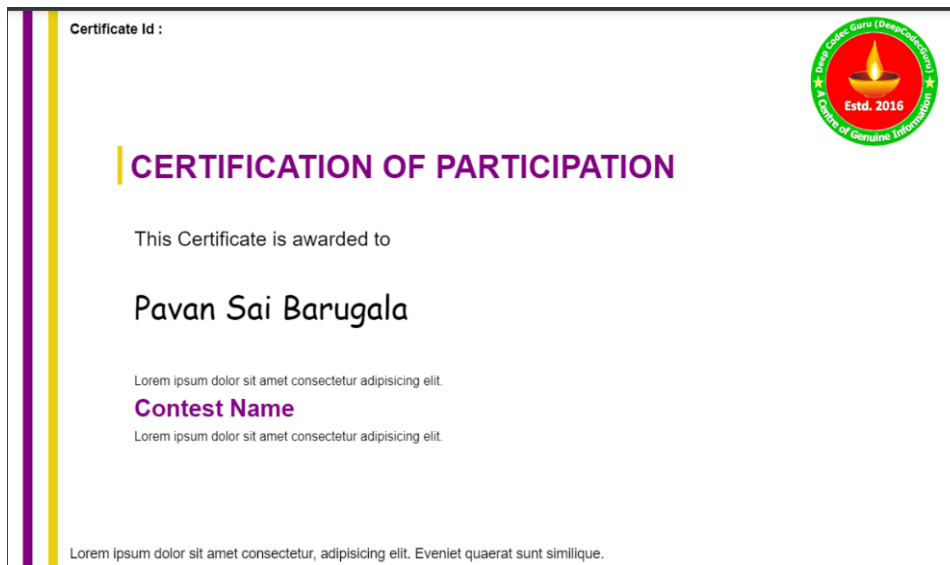
QR code and Authentication Link should be added along with other options if looks good like Issued date
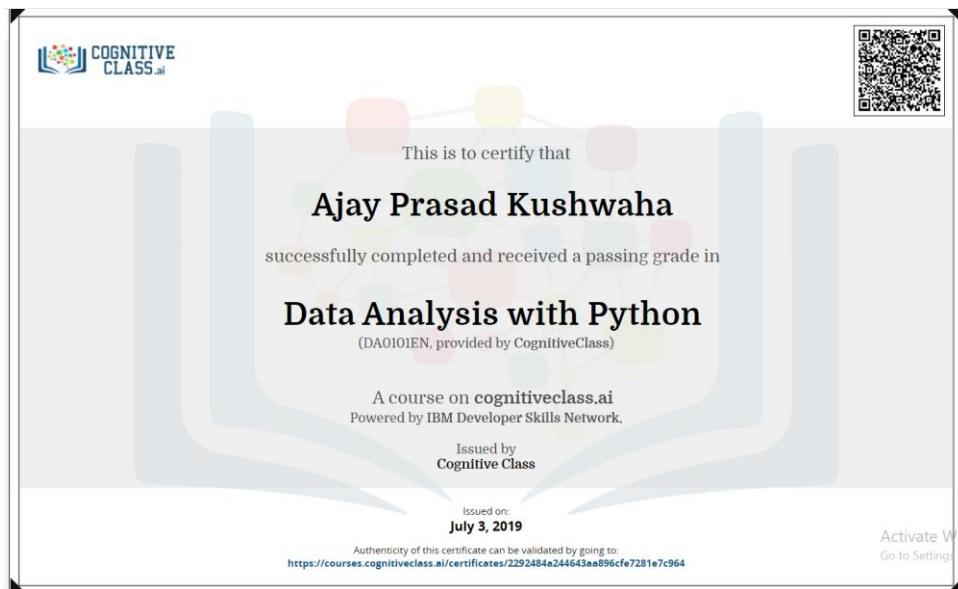
- My Coins:

It should have "Earned Coins" and "Super Coins"

✓ **Earned Coin:** It can be earned on completion of each video/Module in Course (Max 90% from this coin can be Redeem only in a course at time of Course completion Certificate download, Remaining 5% should be used from Super Coin or Pay Equal amount; 1 Super Coin = INR.5)

- ✓ **Super Coin:** It can be bought using Payment Gateway or Can be Redeemed using **My Coupons** "Balance"

- **My Coupons:**

  My Coupons can be only used only for DeepCodecGuru Portal, Coupons Balance can be used to Redeem to buy **Super Coin.** Coupons can be also donated or shared with others. DeepCodecGuru Admin will create coupons on different occasions like Anniversary, Event promotion, as Reward on better performing learner

- **Security Questions:**

  Refer Password Reset Part Requirement [Password reset process should be allowed either via Verified Email Link or 3 Security Question out of 5 Security Questions. Please, set some standard Security Question and follow market standard to collect the security questions info]

- **Learning Time:**

  It should track the Login time to Log out time and add as learner spent time with DeepCodecGuru to previous duration [For 15 minutes ideal screen should warn 5 minutes log out and if ideal continues then it session should log out for user]

- **Sign out**

The sign out page should load home page for user post sign out

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2. Courses:

We need to design a course tab and features

2.1 Sidebar for course

By default the graduation level course should load

- **All courses**
- **Category:** Primary (0-5), Secondary(6-10), 10+2 Intermediate, Graduation, Post-Graduation, Industrial Citification
- **Filter:** Price (Low to High and vice-versa), Price range, Course level (After course category selected only it should allow for more advance option)

Note: After category selection the Stream selection option should come as below if the category is "10+2 Intermediate, Graduation, Post-Graduation"

- **10+2 Intermediate:** Science, Law, Management, Art ………… as Admin will define
- **Graduation:** CSE, IT, CSD, CSM, EEE ………………. As Admin will define
- **Post-Graduation:** CSE, IT, CSD, CSM, EEE ………………. As Admin will define

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3. Contests:

We need to design a course tab and features

3.1 Sidebar for Contest

By default the graduation level Contest should load which are Free and upcoming

- All contest

    Free, Paid, Mock

- Category

    Primary (0-5), Secondary (6-10), 10+2 Intermediate, Graduation, Post-Graduation, Industrial Citification

- Filter
    o Price (Low to High and vice-versa), Price range, Course level (After course category selected only it should allow for more advance option)
    o Upcoming vs Completed

    Note: After category selection the Stream selection option should come as below if the category is "10+2 Intermediate, Graduation, Post-Graduation"

    o **10+2 Intermediate:** Science, Law, Management, Art ………… as Admin will define
    o **Graduation:** CSE, IT, CSD, CSM, EEE ………………. As Admin will define
    o **Post-Graduation:** CSE, IT, CSD, CSM, EEE ………………. As Admin will define

- Leader Board
- Conduct Request

    This will let the college or Individual to touch base DCG tem for organizing contest for them with different level of collaboration

    o Free Contest
    o Paid Contest
    o Collaborated Contest

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4. NPTEL Guide

We need to design a special tab and features to guide NPTELL Learners

4.1 Change Exam Centre

Video content plus details as course detail

4.2 Change Exam City

Video content plus details as course detail

4.3 Correct Typo Error

Video content plus details as course detail

4.4 Become Member

Video content plus details as course detail

4.5 Tips for Exam

- o   Online Unprotected Exam
- o   Final Exam
- o   Preparation Strategy

4.6 Buy Material

Video content plus details as course detail

4.7 Mock Test

Phase -2

4.8 Listen to NPTEL Stars

Video content plus details as course detail

4.9 NPTEL Domain Certificate

Video content plus details as course detail

4.10   NPTEL Star Certificate

Video content plus details as course detail

4.11   Our Alumni

Like Crew details

4.12   Ask Your Doubt

Form to submit question

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5. Jobs Capsule: Reference link: https://www.studentscircles.com/ - Phase 2

5.1 Left side bar:

Should contains different job type like

a)   **Fresher Job**
- TCS Job
- Accenture Job
- Wipro Job
- IBM Job
- DXC Job

- Microsoft Job
- Google Job
- HCL Job
- Cognizant Job
- [Enable Feature to add company name dynamically]

b) Government Job
- Railway Job
- Bank Job
- [Enable Feature to add company name dynamically]

5.2 Page Data –

Filters to show different Categories of Jobs: Should separate out jobs based on below filters and show in every job page

a) Filters on Fresher Job to show "Trending Jobs":

- Remote Job
- PAN India Job
- Outside India Job
- Fresher Job
- Experienced Job
- Off Campus Drive
- Walk-In Interview

Sample:

TRENDING JOBS IN INDIA 2023

| Fresher Jobs | Experienced Jobs | Off Campus Drive | Walk-in Interview | Government Jobs | Railway Jobs | Bank Jobs | Internships |
| Previous Papers | Placement Papers | Admit Cards | Current Affairs | Admission 22-23 | Answer Keys | Results | Scholarships |

b) Filters on Fresher Job to show "Jobs By Qualifications:

- BE Job
- B. Tech. Job
- ME Job
- M. Tech. Job
- MCA Job
- M. Sc. Job

- 10th Job
- B. Com. Job
- Diploma Job
- CA Job
- BCA Job
- B. Sc. Job
- M. Com. Job
- M. Pharma Job
- B. Pharma Job
- MBA Job
- BBA Job

Sample:
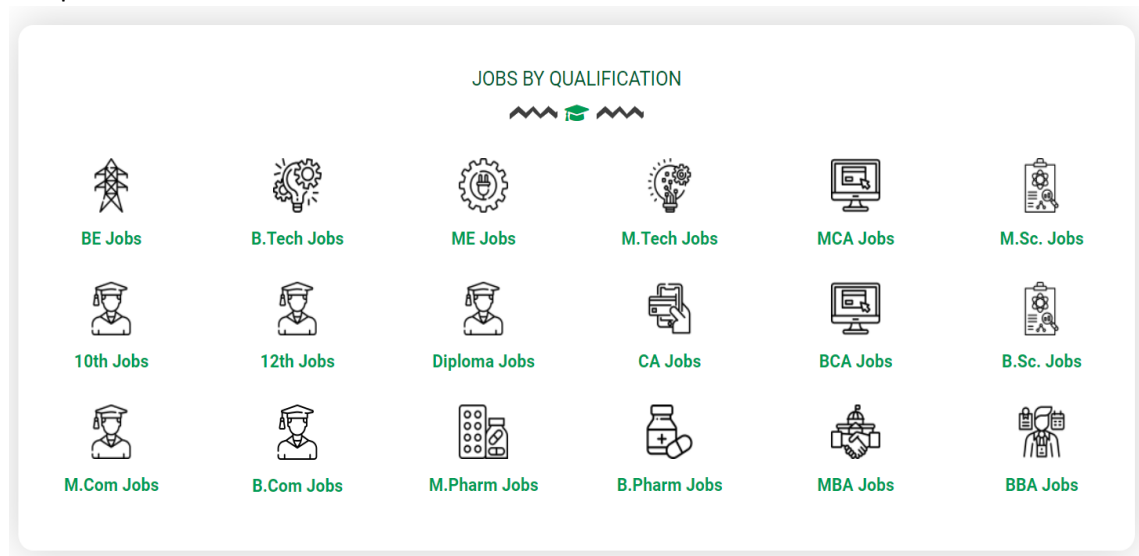
c) Filters on Fresher Job to show "Jobs By Location/City:

- Ahmedabad
- Bangalore
- Bhubaneshwar
- Chennai
- Coimbatore
- Delhi
- Goa
- Gurgaon
- Guwahati
- Hyderabad
- Indore
- Jaipur
- Kochi

- Kolkata
- Lucknow
- Mohali
- Mumbai
- Noida
- Patna
- Pune
- Ranchi
- Trivandrum
- Vizag
- Vadodara
- Outside India
- PAN India

Sample:

JOBS BY LOCATION/CITY

Ahmedabad	Bangalore	Bhubaneshwar	Chennai	Coimbatore	Delhi
Goa	Gurgaon	Guwahati	Hyderabad	Indore	Jaipur
Kochi	Kolkata	Lucknow	Mohali	Mumbai	Noida
Patna	Pune	Ranchi	Trivandrum	Vizag	Vadodara
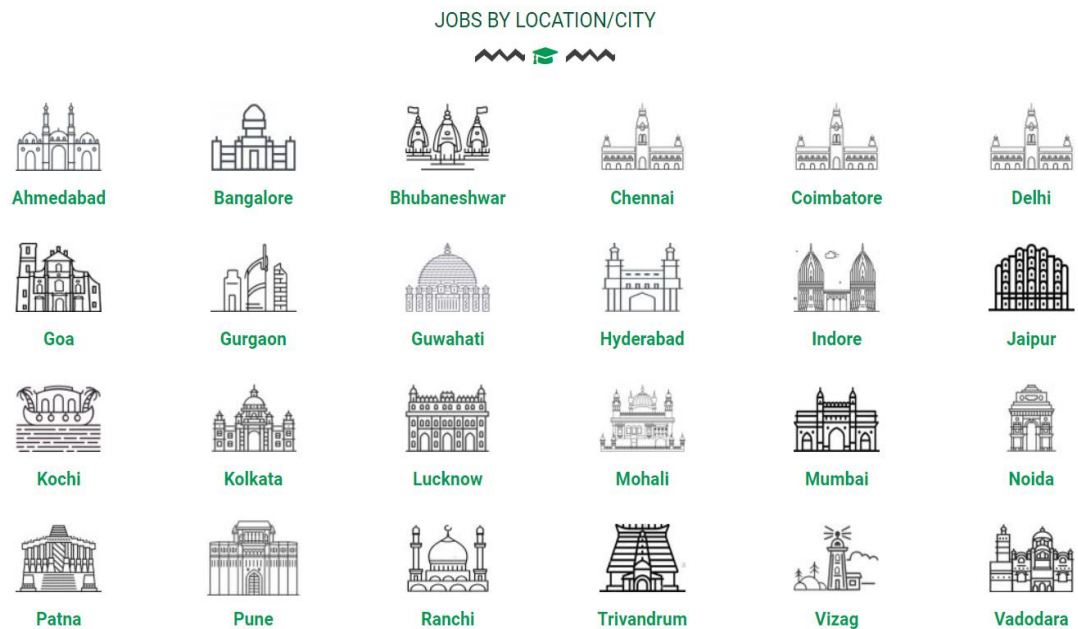
d) Filters on Fresher Job to show "Jobs By CTC [Fresher]":

- Above 6.5 LPA
- 6.5 LPA
- 4.5 LPA
- 4 LPA
- 3.6 LPA
- Below 3.6 LPA

Sample: Please, try to apply something like above

e) Filters on Fresher Job to show "Jobs By CTC [Experience]":

- Above 6.5 LPA
- 6.5 LPA
- 4.5 LPA
- 4 LPA
- 3.6 LPA
- Below 3.6 LPA

Sample: Please, try to apply something like above

f) Filters on Fresher Job to show "Jobs By Skills [Fresher]":

- AI & ML
- Data Science
- Machine Learning
- Full Stack Development
- .Net
- IAM
- Java
- Python
- [Enable Feature to add Skill name dynamically]

Sample: Please, try to apply something like above

g) Filters on Fresher Job to show "Jobs By Skills [Experience]":

- AI & ML
- Data Science
- Machine Learning
- Full Stack Development
- .Net
- IAM
- Java
- Python
- [Enable Feature to add Skill name dynamically]

Sample: Please, try to apply something like above

h) Filters on Fresher Job to show "Jobs By Working Experience":

- Entry Level
- Below 1 Year
- 1 Year
- Below 2 Year
- 2 Year
- 3 Year
- 4 Year
- 5 Year
- 6 Year
- 10 Year
- [Enable Feature to add Year dynamically]

i) Filters on Fresher Job to show "Jobs By Post/Position":

- Analyst
- Associated Analyst
- Associated Consultant
- Senior Analyst
- Consultant
- Senior Consultant
- Assistance Manager
- Manager
- Performance Manager
- Director
- [Enable Feature to add Position/Post dynamically]

Sample: Please, try to apply something like above

Note:

After click on each filter, next panel should be something like below based on their applied filters [Reference: https://www.studentscircles.com/category/b-tech]. Moreover sharing on Social Media button should be in between Job title and Date posted

Social Media Required: Facebook, LinkedIn, Instagram, Telegram

Social Media should allow us to share these post on our different social media easily
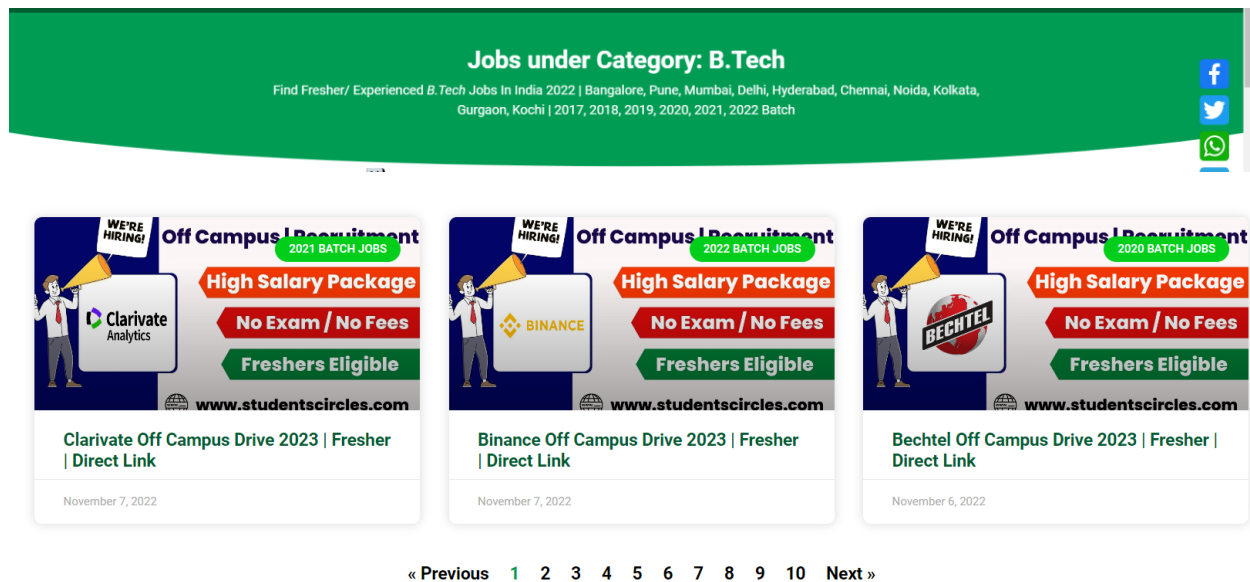
5.3 Thumbnail/Photo for Post:

Should be auto generate based on information provided [Figure out based details to be kept on the Post image]. A few is here

- **Logo of Company**: HCL, Google, IBM – will be stored in database and can take as per need. In case of new company name – will ask to update logo; if failed to provide logo then company name can be used as a logo
- **Logo of Deep Codec Guru**: Must be kept on every post image
- **CTC:** Can be picked from database
- **Eligible:** Fresher/Experience – can be taken from database
- **Post/Position:** Can be taken from Database
- **Credit:** Should mention name of person who uploaded info of job
- **Please, add other details if you wish to add for the best**

5.4 Job Post Page:

It should show once someone click on any one job post

Reference: https://www.studentscircles.com/nokia-fresher-jobs/

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6. Creator users of Website in 4 layer

At first we have to design it for Course and Content module in Phase-1 and others can be handled in Phase-2

6.1 Super Admin –

All capability including to Enable/Disable Module. Admin users can be only created by Super Admin. Super Admin must have capability to allow/disable different access depending on Admin type. One Admin can't overwrite the permission set for another Admin by the Super Admin. However, the Admin should be allowed to request the permission for active module with reason & justification for access required. And it can be allowed/disabled based on Super Admin approval

6.2 Admin –

All capability except permission to Enable/Disable Module. The Admin should be able to create Moderator and Editor. Also, Admin should be able to approve the content from all below hierarchy users.

6.3 Moderator –

Can work on the permitted module but can't delete anything, however can review Editor Content. Moderator can't publish anything publically on website, it must go via Admin approval

6.4 Editor –

Can add the Content for the website but it must be published via Moderator and/or Admin

Let's see in details

Modules: Enable/Disable
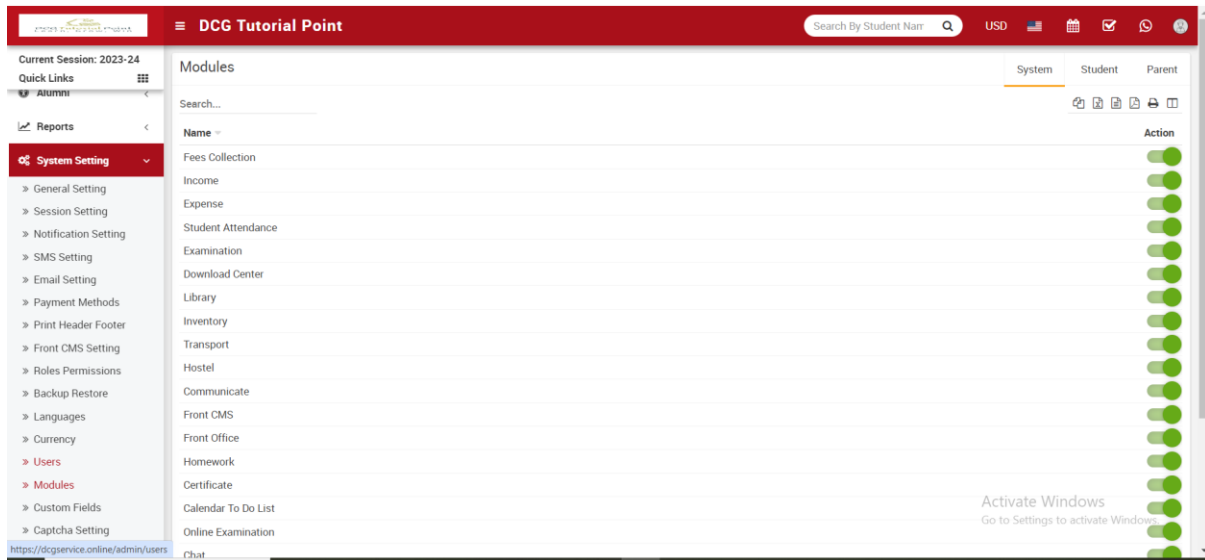
Role permission
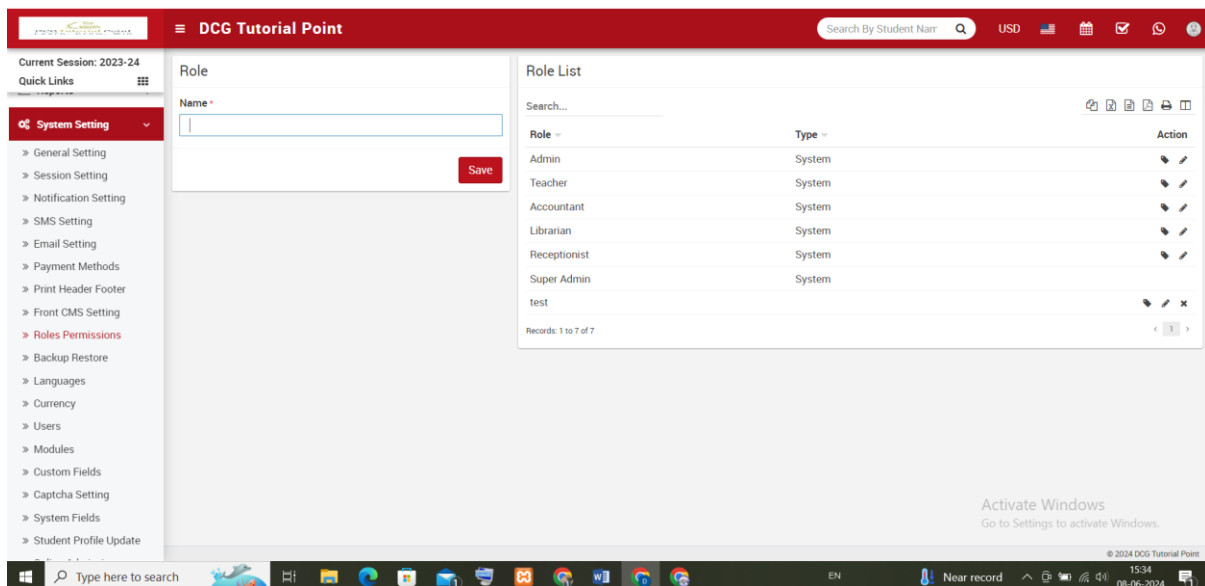
The capability goes like

For demo:

Link: https://dcgservice.online/site/login

User: superadmin@dcgservice.online

Password: P@55w0rd

-------------------------------Under Progress--

Additional Requirements will be updated shortly