Google Developer Student Clubs

Ajay Kumar Garg Engineering College

Presents

ALGOWORKS

THE FIRST STEP TOWARDS APP DEVELOPMENT

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Domain Involved

- This workshop Focuses on first year students who are interested in app development and need to be taught from The basics.

- Every skill required to form a basic app will be covered in this workshop.

- By the end of this workshop the participants will be familiar to terms like java , android app development ,flutter and will have created a basic application from what they've learnt.

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Target Audience

1st & 2nd Year

Registration & Selection Process

- A google form link will be circulated for the students to register.

- Students will be informed to learn some basics along with topic names and links of where to study it from on social media and announcements.

- A quiz designed with very basic questions of java and introduction to App D (already mentioned on social media) will take place online.

- Top 150 students with the highest score will be chosen for the

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Quiz Details

Venue

kahoot/DSC quiz web app

Date

2 JAN 2022

Timings

6:00 to 7:00 pm

Maximum Participation

400

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DAY-WISE DISTRIBUTION

DAY 1 : A DSC alumni as a guest lecturer will acquaint students with industry-relevant skills and introduce them to the latest development in android. Agenda:- 1)General Introduction 2)Opportunities 3) Comparison with competitive programming 4)Ideal time to get started 5)What to choose as a beginner 6)Sources/ Roadmaps.

DAY 2 : 1)Host Setting up your device 2)Creating first basic app 3)Brief components of Android apps 4)Adding screens to your app 5)Sharing resources and recommendatio

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DAY-WISE DISTRIBUTION

DAY 3 : 1)Flutter exclusive features 2)Widgets and widget tree 3)Creating single screen app 4)Routing in flutter app 5)State Management libraries 6)Code architecture

DAY 4 : A quiz will be conducted on the basis of what the students have learnt so far. The winners will earn goodies (tshirts/bags/batches).

DAY 5&6 : Get hands-on experience in building real-world applications by participating in hackathon to practically implement all the knowledge gained in this App Dev week.

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Event Details

Venue

Seminar Hall

Dates

3 JAN - 8 JAN
This event will go on for 4 days giving one day to
each domain

Timings

4:00 to 5:00 pm

Maximum Participation

150 students

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Quiz Mode

OFFLINE

Estimate Budget

2000 to 3000 INR

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Permission

An application will be written to the director asking for the permission of the Seminar Hall for 4 days from 4:00 to 5:00 pm.

Note

Registrations will only be allowed from college ID to avoid fake participants/ clone registrations.

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POTENTIAL SPONSORS

- Sponsormyevent

- Sponsorpitch

- Sponsorpark

- Opensponsorship

- Sponeasy

- Plunge2research

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Promotions

- **SOCIAL MEDIA :** Every little detail about the event from a comin soon poster ,Teaser ,Trailer to the announcement of the event.

- Physical announcements in classrooms.

- Physical announcements in Girls and Boys Hostel.

- Posters will be all over the College and Hostel Campus.

- Unofficial meme pages of college can be ask to put a promotional post on story.

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WHY STUDENTS WILL BE INTERESTED IN THIS EVENT

- Students get to learn app development from scratch.

- Participation Certificates will be distributed.

- Goodies will be given to the most attentive and interactive student of the day

- The students will get to interact with the alumni (someone who is working in the tech field right now).

- Students get to compare their projects with their peers and see what level are they at

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Perks Of Organising This Event

- Better relations with sponsors for future events.

- Live interaction with first year

- Promotion of GDSC

- Improvement of Team Coordination

- It will give GDSC an upper edge during recruitment process

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PRESENTS

ALTERNATIVE IDEA

BE TECHNOREADY

SHOWING THE REAL LIFE APPLICATIONS OF THE SKILLS YOU'RE LEARNING

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What Is It About ?

- It is a 3 days event to educate students about the features of the biggest companies and the algorithms behind it

- The purpose of this event is to show the students the real life application of programming algorithms in companies like Facebook,Google,Youtube,Zomato,Udemy,Netflix,Amazon etc and educate them about the same.

- If the students are already familiar with how things work in the companies that they want to be a part of , they'll have an upper edge in placements.

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DAY-WISE DISTRIBUTION

DAY 1 : Introduction & educating students on companies and their popular algorithms e.g. Matrix Factorisation (aka SVD) and Restricted Boltzman Machine (RBM) are some of the algorithms behind NETFLIX's recommendation System.

DAY 2 : Following up from where the topic was left off on Day 1 and comleting the lectures.Small quizzes will take place to see what the students have learnt so far.The best performers will be rewarded with goodies.

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DAY-WISE DISTRIBUTION

DAY 3 : After the Day 2 workshop , different companies would have been alotted to the students. On day 3 , the students have to prepare a presentation mentioning the best feature of that company (e.g youtube suggestion feature) and a detailed analysis of the algorithm behind it.
The students will also have to find out the weak spot of the company , where the algorithm is lacking and propose brief ideas to fix them.

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EVENT DETAILS

DATE
   3 JAN to 5 JAN
TARGET AUDIENCE
   1st & 2nd year
VENUE
   Seminar Hall
TIMINGS
   4:00 to 6:00 pm

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EVENT DETAILS

MAXIMUM PARTICIPATION

150 students

An online quiz will take place on GDSC QUIZ WEB APP two days before the event to check the basic knowledge of the students about the companies.The top 150 students will be selected for the event.

PERMISSIONS

- Permission from the director for seminar hall from 4:00 to 6:00 pm from 3rd to 5th JANUARY.
- Permission from Head Hostel Warden to increase the in-time of the students living in hostel.

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