

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

H Y D E R A B A D

CampusLink

(Final Project Report - UIUDP)

Team Members:

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Final Prototype Link :-

<https://app.visily.ai/projects/e51a9389-d55a-41e3-b4ad-272e9498c815/boards/474575/presenter?play-mode=Prototype>

1. User Research:

The **aim** of our user research was to identify a major problem faced by the students on campus in terms of their campus life.

A couple of **objectives** of this research were:

- To gather useful insights that would help us work on a specific problem faced by the majority of students.
- To understand the gap between what's already available vs what the students want.

The **target users** of this research were the on-campus students of IIIT-Hyderabad. Although, the problem statement that we picked can be expanded to the users of other colleges as well which face similar issues. We interviewed around 8-10 people as a part of this research.

Here is a list of **questions** that we focused on while doing our research:

- What is your major of study and how long have you been on campus?
- How has your experience been with the mess and canteen?
- How do you manage your deadlines and assignments? Do you get time for extracurricular activities?
- How do you currently find out about the upcoming events happening around the campus?
- Do you find any issues with the hostel life at IIIT Hyderabad?

2. Research Insights:

Here a few insights that we got to know after conducting the user research across **8-10 students** on campus:

- Students **miss out on many non academic events** happening in the campus due to the lack of an organized channel for getting the updates.
- From the mess perspective, there are 2 pain points that we observed:
 - **Difficulty remembering the mess** in which they have their meal.
 - Keeping track of **how many meals they have canceled**.
 This was because the students are overcharged if they do not eat in their registered mess and if they cancel more than 15 meals in a month.
- There was **no common complaint portal** to address student issues.

The below visual observations prove the 1st and 2nd issue mentioned above:

MESS BILL																		
Month	South breakfast lunch dinner			North breakfast lunch dinner			Yuktahaar breakfast lunch dinner			Kadamb-Veg breakfast lunch dinner			Kadamb Non-Veg breakfast lunch dinner			Cancelled Meals	Cancellations Allowed (Meals)	Total Bill
Jul 2022	0	0	0	3	0	3	0	3	0	0	0	0	0	0	b=0 l=0 d=0	b=5 l=5 d=5	405.0000	
Aug 2022	3	0	0	25	0	2	0	28	26	0	0	0	0	0	b=0 l=0 d=0	b=5 l=5 d=5	3748.0000	
Sept 2022	5	0	0	17	0	0	8	30	29	0	0	0	0	0	b=0 l=0 d=1	b=5 l=5 d=5	3977.0000	
Oct 2022	0	0	0	26	0	21	4	31	10	0	0	0	0	0	b=1 l=0 d=0	b=5 l=5 d=5	5155.0000	
Nov 2022	0	0	0	30	0	2	0	30	28	0	0	0	0	0	b=0 l=0 d=0	b=5 l=5 d=5	4022.0000	

Mess bill of a month for a student being affected by a huge margin since he had his meal in a different mess instead of his registered mess.

Sunory Dutt	Mon 06/02	Art Society Art workshop by ARTSOC Greetings! This is a reminder for the workshop being h...
Students Life Office	Mon 06/02	Sachin Chaudhari Reminder for today's talk at 4pm at H-105: T... Sat 28/01 Dear All, This is a gentle reminder for today's talk, "The...
Vinod P K	Mon 06/02	kamal karlapalem Hyderabad Literary Festival- ongoing! Literally enjoyed Best Kamal (he/him/his) [Karlapalem :: ...
Recruitment Coordinator	Mon 06/02	Sunory Dutt [Pg] [Students] Invitation to Launch of Silv... Fri 27/01 LIVE STREAMING NOW! IIITH's Silver Jubilee Talk series...
Recruitment Coordinator	Fri 27/01	Recruitment Coordinator Talk on Beyond the Cellular Paradigm: Cell-fr... Those who cannot make it in person for the talk, may p...

Cluttered emails of a student with notifications of various kinds of events (Art, Literary, Technical) making it difficult to extract the important information out of the mail.

3. Defining the Problem Statement:

Out of the above research insights regarding the issues faced by the students, we decided to come up with a solution and work on the first pain point which was to **get campus event updates customized around a user's interests in a much more organized way.**

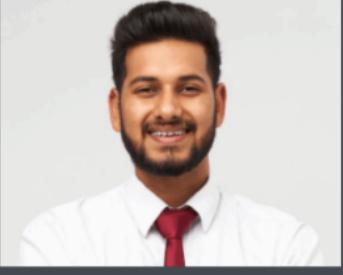
4. Issues with the current scenario:

- Students often receive these updates on email which is not very user friendly in terms of interface and it's tedious to extract the main info.
- Notifications of a bunch of events together causes confusion to the users as they are not properly organized into different sections.

- There is no personalized sync between the schedule of the student's lectures and the events happening.
-

5. User Persona:

Based on the problem statement, we were able to define two user profiles:

NAME	USER TYPE
Aditya	Inquisitive
	<p>About</p> <p>Gender - Male Age - 23 years Education - M.Tech at IIIT-Hyderabad</p> <p>Description</p> <p>“Aditya is a tech-savvy old postgraduate student at IIIT-Hyderabad who has keen interest in the domain of Artificial Intelligence and Machine Learning. He loves to learn from the conversations with the experts in these fields.”</p>
User Qualities :- <ul style="list-style-type: none">Only interested in seminars and conferences of some specific domain (Example - AI/ML)Struggle to remember the timings of talks.	

NAME	USER TYPE
Ananya	Gregarious
	<p>About</p> <ul style="list-style-type: none">Gender - FemaleAge - 18 yearsEducation - B.Tech at IIIT-Hyderabad <p>Description</p> <p>“Ananya is recently joined IIIT Hyderabad for pursuing her Bachelors. She values social connections and wants to get involved in a variety of clubs and events on campus.”</p>
User Qualities :- <ul style="list-style-type: none">Wants to meet new people and connect with other students with similar interests.Finds difficult to be in sync with the events timing and the class schedule.	

6. User Requirements:

Here are a few requirements that users expected from a solution being built around this problem statement -

- **Get updates** of cultural and technical events happening in the campus at a single place in an arranged manner.
 - Users should **get alerts of only those kinds of events in which they are interested**. On the other hand, if they want to explore then they should be able to **filter out events based on categories** as well.
 - Users should be able to know **if an event is clashing with any of their lectures** and if it is, then which lecture it is clashing with.
 - Users should be able to **register/unregister for events without having to fill in the same details** (email id , roll number, etc.) for every event.
 - Users should be able to **create their own events**.
 - Users should **get alerts some time before the event** is about to happen if they have registered in it. This alert time should be customizable.
-

7. Features:

The features that we decided to come up with based on the above extracted user requirements were -

- I. List events & register/unregister for them easily
- II. Explore events based on different categories
- III. Manage and view event conflicts with lectures
- IV. Edit event preferences and their notification order
- V. Create an event and schedule it
- VI. Provide customized alerts just before the event

8. Use Cases:

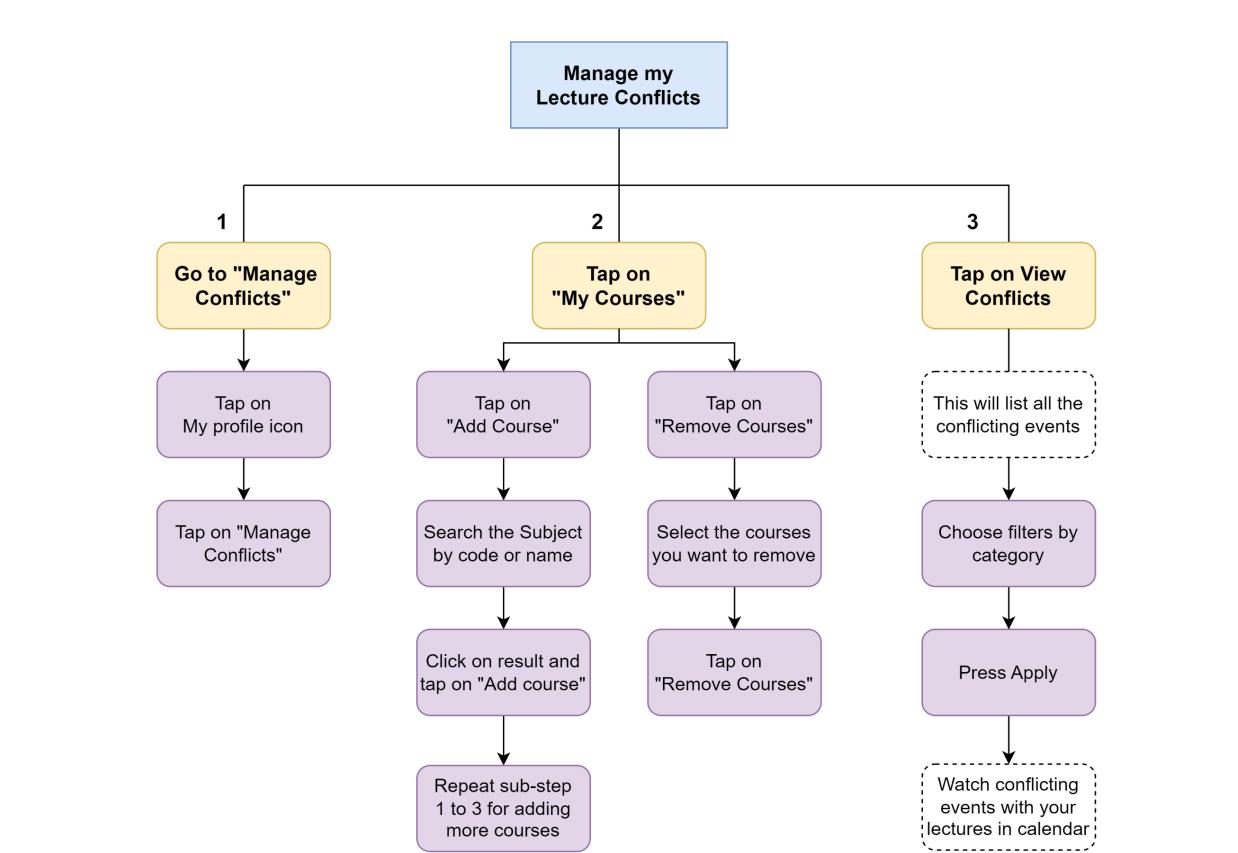
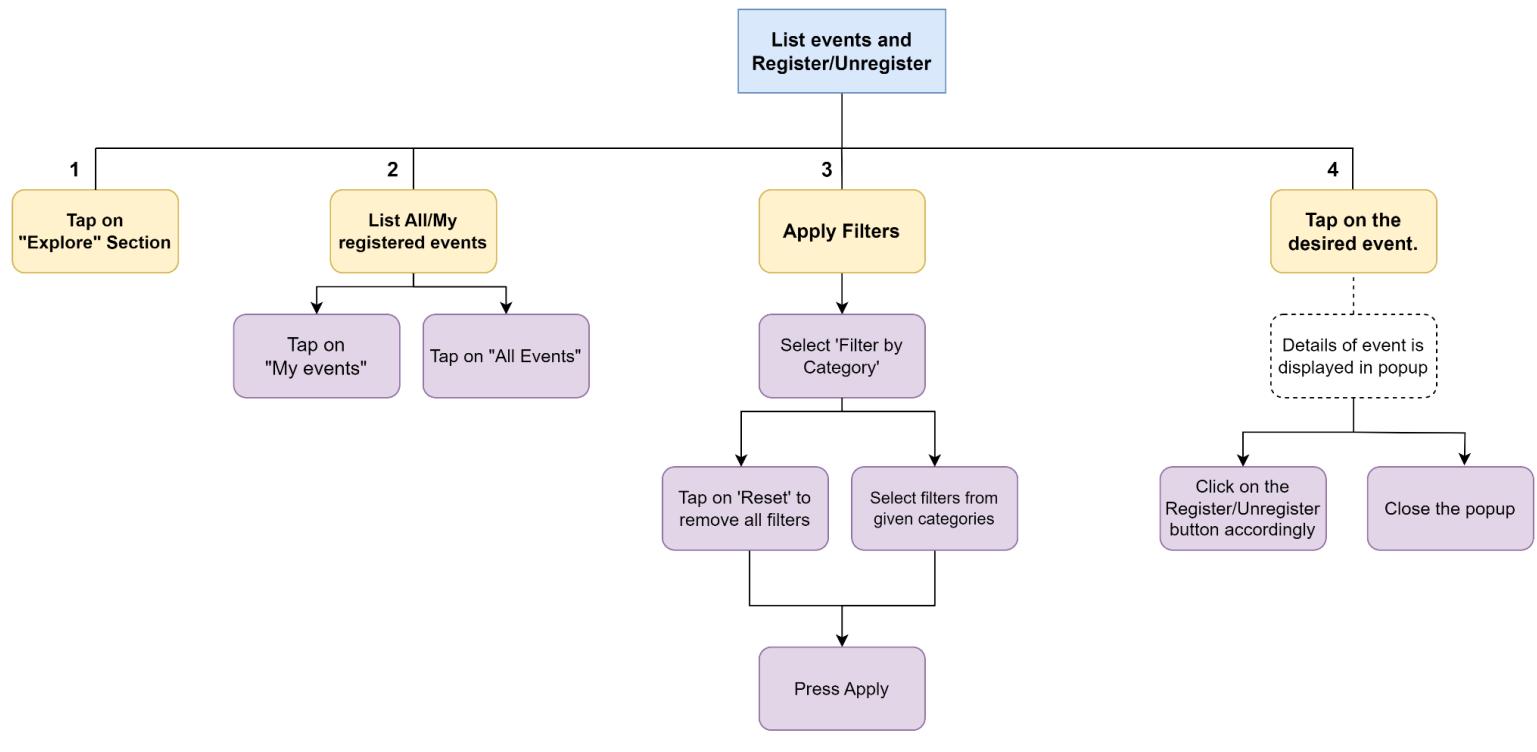
- I. List upcoming events under two categories- 'All events' and 'My events' (the events for which I have registered)
- II. Register/Unregister for a particular event.
- III. While exploring events, filter them with labels under 2 categories:

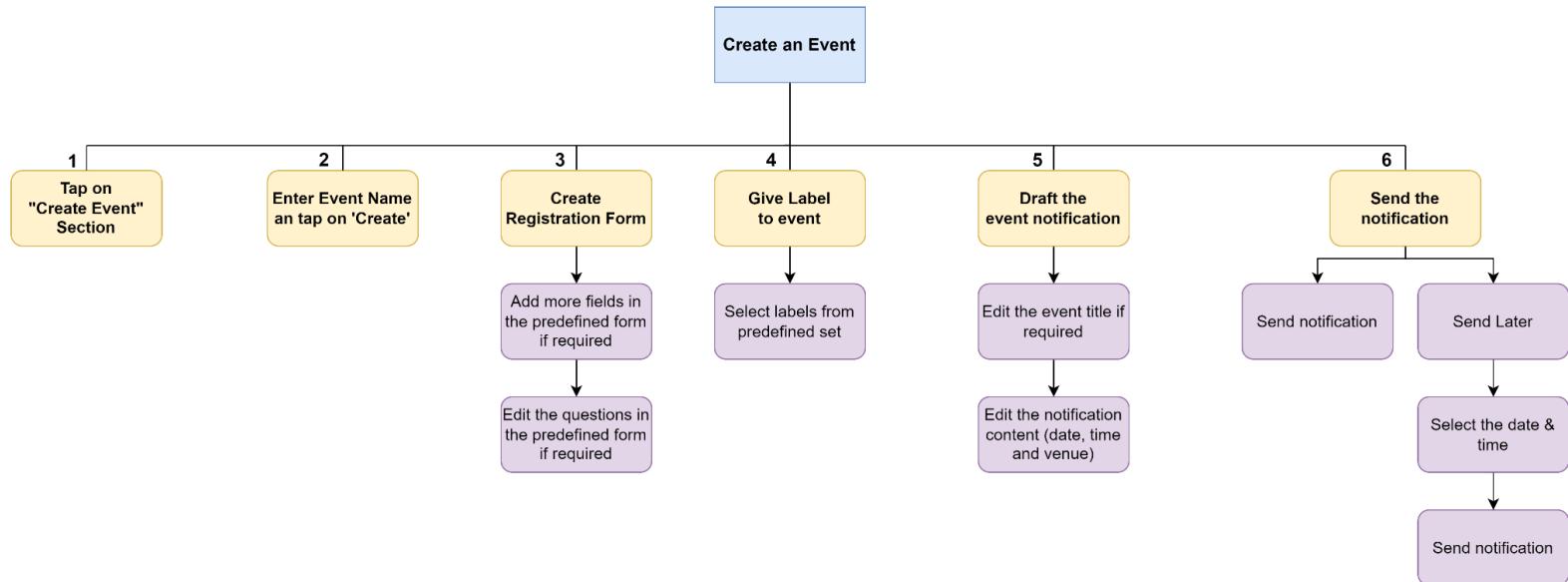
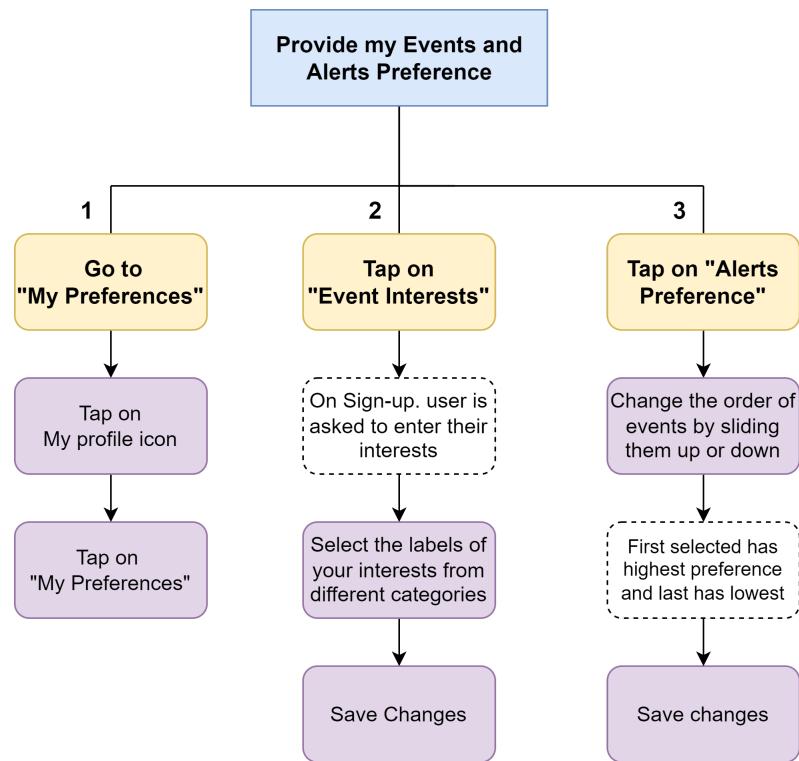
Category	Labels
Cultural	Music, Dance, Art, Theatre, etc.
Technical	ML, Cyber Security, Web Dev, etc.

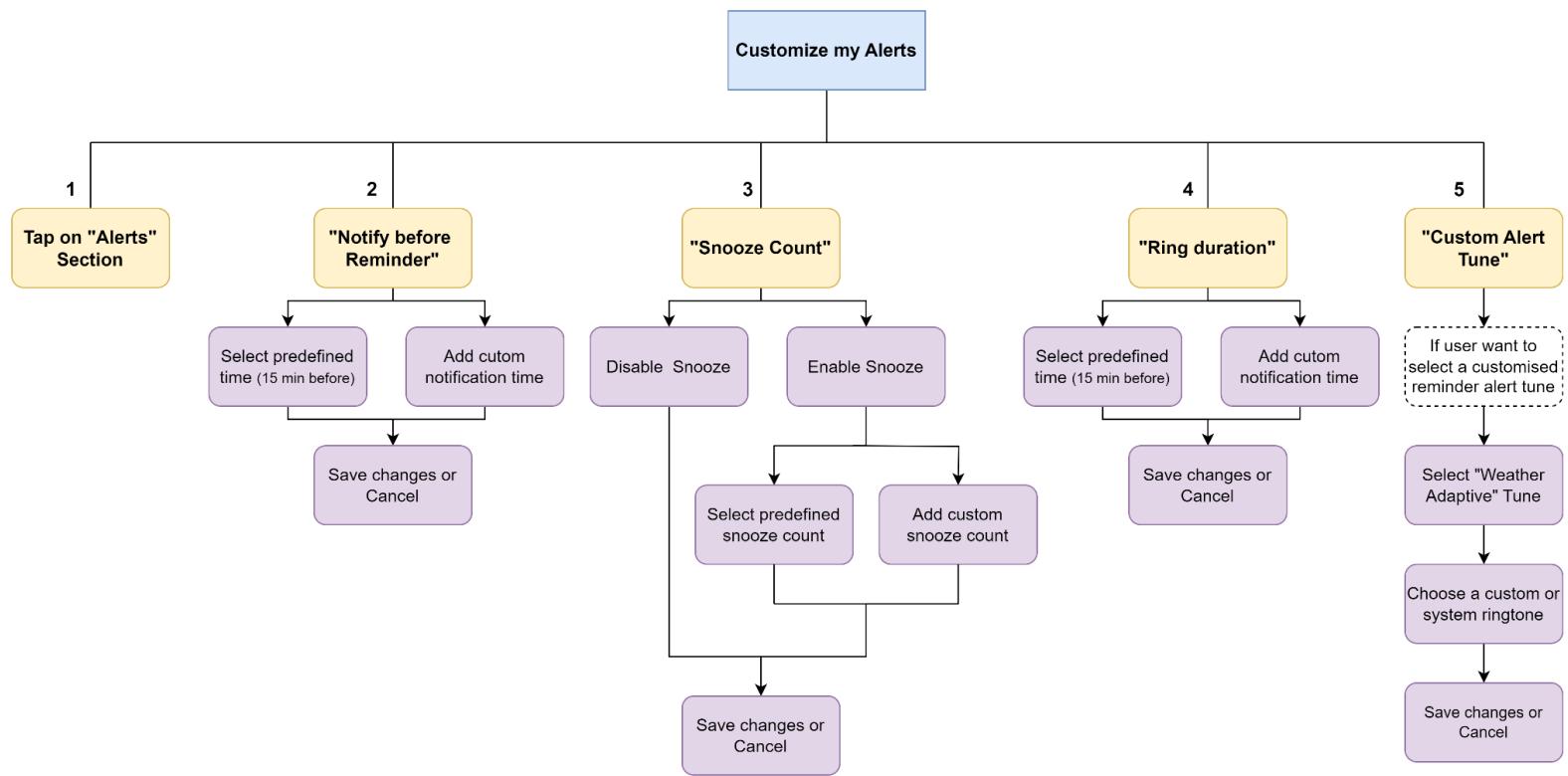
Under each of these labels have a subcategory of what type of event the user wants to explore: Workshop/Seminar/Club event/Competition

- IV. Add courses in profile to manage lecture conflicts with events.
- V. View the conflicts in a calendar format.
- VI. Manage event preferences and the order in which the user wants to receive their notifications.
- VII. Create an event and have an option to send its notification in the app immediately or later on.
- VIII. Customize the notification alerts before the event based on things like ring duration, snooze count and alert tones.

9. Task Flows:







10. Wireframes (Designed on Iphone 14 frame size):

I. List Events and Register for an event-

The wireframes illustrate the user flow for listing events and registering for one. The first two screens show the main event listing interface, while the third shows the registration confirmation screen.

Screen 1: My Upcoming Events

Hi, Advait!

My Upcoming Events

Snake Awareness
Time: 4:00 PM - Today
Venue: Amphitheatre
Workshop Campus Life

LLVM Compiler Meetup
Time: 5:00 PM - 21/04/2023
Venue: 302 -Nilgiri Block
Seminar Systems/Compilers

PhotoWalk - Snapfest
Time: 5:30 PM - 30/04/2023
Venue: Vindhya Canteen
Club Event Photography Club

Explore more events [here!](#)

Home Explore Create Event Alerts

Screen 2: Event Details and Registration Confirmation

Hi, Advait!

Filter by category

All Events 99+ My Events 9

Art Workshop: ArtSOC
Time: 2:30 PM - Today
Venue: H105
Workshop Art Club Event

LLVM Compiler Meetup
Time: 5:00 PM - Tomorrow
Venue: 302 -Nilgiri Block
Seminar Systems/Compilers

Talk on Deep Learning
Time: 5:30 PM - 26/04/2023
Venue: KRB Auditorium
Seminar Machine Learning

Home Explore Create Event Alerts

Screen 3: Registration Confirmation

Hi, Advait!

Filter by category

All Events 99+ My Events 9

Talk on Deep Learning

Dear Professors and Fellow Students,

The Human Sciences Group presents to you a seminar on: "Decision making in Deep Learning" by Binay Kumar Pathak.

Date: Friday, 5th May 2023
Time: 5:30 PM - 7:00 PM
Venue: KRB Auditorium

This event clashes with SMAI Lecture.

REGISTER CLOSE

Registration successful

Undo Go to Home

Venue: KRB Auditorium

This event clashes with SMAI Lecture.

REGISTER CLOSE

Venue: KRB Auditorium

Seminar Machine Learning

Home Explore Create Event Alerts

II. Manage and View Conflicts -

ADVAIT SHRIVASTAVA EDIT

+91 - 7895678993 | advait@students.iit.ac.in

Dark Mode

Manage Conflicts Avoid event clashes with your lectures

My Courses

View Clashes

My Preferences Edit & Manage your event preferences

← MY COURSES

Statistical Methods in AI

Course Code: CS7.403

Time: 05:00 PM - 06:25 PM

Monday Thursday

Add Course

Remove Courses

The screenshot shows a mobile application interface for searching course names or codes. At the top, there is a search bar with the placeholder "User". Below the search bar, the text "Course name Course Code" is displayed. A blue circular button labeled "All" is positioned next to the search bar. The main content area contains two recent search items: "User Interaction and Usability of Digital Product" and "User Research Methods". Below these, a section titled "Recently searched" lists "Internals of Application Server" and "CS8.403". At the bottom of the screen, a virtual keyboard is visible, featuring letters Q through P on the first row and A through L on the second row. Below the keyboard, there are additional keys for punctuation and symbols.

←
User
×

All
Course name
Course Code

User Interaction and Usability of Digital Product

Professor: Raman Saxena + Nimmri Rangaswamy

Course Code: CS5.401

Time: 02:00 PM - 03:30 PM

Monday
Thursday

ADD COURSE
CLOSE

QWERTYUIOP

ASDFGHJKL

ZXCVBNM

↑
⬅
➡
✖

?123
,
🌐
...
⬅

← MY COURSES

Statistical Methods in AI

Course Code: CS7.403

Time: 5:00 PM - 06:25 PM

Monday Thursday

User Interaction and Usability of D...

Course Code: CS5.401

Time: 02:00 PM - 03:30 PM

Monday Thursday

← REMOVE COURSE

Statistical Methods in AI

Course Code: CS7.403

Time: 05:00 PM – 06:25 PM

Monday Thursday

Remove Courses

The figure shows a digital calendar interface for April 15, 2023. The day is divided into hourly time slots from 9 AM to 6 PM. A green box highlights a class from 2 PM to 3 PM, and a red box highlights a workshop from 3 PM to 4 PM.

Time	Event
9 AM	
10 AM	
11 AM	
12 PM	
1 PM	
2 PM	[Class] User Interaction and Usability of Digital products
3 PM	[Workshop] Talk on Deep Learning
4 PM	
5 PM	
6 PM	

III. Event Interests and Alerts Preference -

← ADVAIT SHRIVASTAVA EDIT
+91 - 7895678993 | advait@students.iiit.ac.in

Dark Mode

Manage Conflicts Avoid event clashes with your lectures

My Preferences Edit & Manage your event preferences

Event Interests **Event Interests**

Alerts Preference

LOG OUT

← EVENT INTERESTS

Cultural

 Music/Dance  Astronomy  Art/Design  Theatre

Technical

 Machine Learning  Systems & Compilers  Web Dev  Robotics & Electronics

 Competitive Coding  Cyber Security  Mobile App Dev

SAVE CHANGES

← EVENT INTERESTS

Cultural

 Music/Dance  Astronomy  Art/Design  Theatre

Technical

Select the type(s) of event for Music/Dance

 Club event  Competition  Workshop  Seminar

Save **Cancel**

SAVE CHANGES

← ALERTS PREFERENCE

Cultural

 Music/Dance 

Technical

 Machine Learning 

 Competitive Coding 

 Web Dev 

SAVE CHANGES

IV. Create a new event -

Create new event

Enter event name

Cancel **Create**

Events you've organized in the past

Web Development Bootcamp **124** Registrations
Date: 20th March, 2023

Workshop: Ethical Hacking **141** Registrations
Date: 7th February, 2023

Seminar on Machine Learning **63** Registrations
Date: 29th January, 2023

Home **Explore** **Create Event** **Alerts**

Create new event

1 Step 1 > 2 Step 2 > 3 Step 3

Create Registration Form

Name: Praddyumn Shukla
College Email: praddyumn@students.liit.ac.in
Contact Number: 8400246228
Roll Number: 2022201001
Course: MTech
Batch: PG2022

+ Add more fields

Cancel **Next**

Create new event

1 Step 1 > 2 Step 2 > 3 Step 3

Give Labels to your event

Type of Event

Workshop
Seminar/Conference
Club Event

Cancel **OK**

Cultural

Music / Dance
Astronomy
Art / Design
Theatre

Cancel **OK**

Technical

Machine Learning
Systems & Compilers

Cancel **Back** **Next**

Create new event

1 Step 1 > 2 Step 2 > 3 Step 3

Draft your event notification

Title

Enter the title of your event here

Content

Dear Professors and Fellow Students,
The Human Sciences Group presents to you a seminar on: "Decision making in Machine Learning" by Binay Pathak.
Date: Friday, 5th May 2023
Time: 2 PM - 3:30 PM
Venue: KRB Auditorium
Registration Link: forms.gle/4fg56h7

Create Later

Cancel **Back** **Create Now**

Create new event

1 Step 1 > 2 Step 2 > 3 Step 3

Draft your event notification

Title

Enter the title of your event here

Content

Dear Professors and Fellow Students,
Do you really want to cancel event you are creating?
No Yes

Date: Friday, 5th May 2023
Time: 2 PM - 3:30 PM
Venue: KRB Auditorium
Registration Link: forms.gle/4fg56h7

Create Later

Cancel **Back** **Create Now**

Create new event

1 Step 1 > 2 Step 2 > 3 Step 3

Draft your event notification

Set date

26 Mar 2021
27 Apr 2022
28 May 2023

Cancel **Set**

Set Time

9 23
10 24 AM
11 25 PM

Cancel **Set**

Back **Create**

Cancel

Create new event

1 Step 1 > 2 Step 2 > 3 Step 3

Draft your event notification

Set date

26 Mar 2021
27 Apr 2022

Event created successfully!

Edit Event **Go to Home**

Set Time

9 23
10 24 AM
11 25 PM

Cancel **Set**

Back **Create**

Cancel

Create new event

1 Step 1 > 2 Step 2 > 3 Step 3

Events you're organizing

Talk on Machine Learning **0** Registrations
Date: 5th May, 2023

Events you've organized in the past

Web Development Bootcamp **124** Registrations
Date: 20th March, 2023

Workshop: Ethical Hacking **141** Registrations
Date: 7th February, 2023

Home **Explore** **Create Event** **Alerts**

V. Customize notification and alerts -

The image displays four screenshots of the CampusLink mobile application's notification and alert settings screen. The top two screenshots show the main configuration page with sections for 'Notify before reminder' (set to 15 minutes), 'Snooze count' (set to 3), 'Ring duration' (set to 5 minutes), and 'Custom alert tune' (set to Delight). The bottom two screenshots show a modal dialog for setting a 'Notify before ringing' time. The first modal shows a list of options: 1 minute, 5 minutes, 10 minutes (selected), 15 minutes, and Custom. The second modal is a 'Set Time' dialog with a slider set at 12 minutes, and buttons for Save and Cancel.

NOTIFICATION/ALERTS

- Notify before reminder
15 minutes
- Snooze count
3
- Ring duration
5 minutes
- Custom alert tune
Delight

NOTIFICATION/ALERTS

- Notify before reminder
15 minutes
- Snooze count
3
- Ring duration
5 minutes
- Custom alert tune
Delight

NOTIFICATION/ALERTS

- Notify before reminder
15 minutes
- Snooze count
3
- Ring duration
5 minutes
- Custom alert tune
Delight

CUSTOM ALERT TUNE

Automatically adapt alert tune to current weather.

Weather adaptive ⓘ



Sunny

Custom
Select from files

System Ringtones

- None
- Delight
- Dreams
- Visions
- Longing
- Classic

11. Motivation behind Project Title:

CampusLink - This name implies that our proposed solution acts as a link between the students and their college events, providing an organized communication channel for updates of the events happening in their campus. This can help students explore things outside their regular academics, stay informed and engaged with their campus life.

Final Prototype Link - [CampusLink](#)
