STD Session 7 (1)

**Karthik C:** [00:00:00] In time, right, I will start with batch by batch. Right? So we'll go one by one. All of you have to respond with your names. Right? Reviewed? Reviewed by TAs or me? I reviewed. Okay.

No. What is their, bro? I want it to be guys. Listen, what I'm going to do, I'm gonna take each product statement, so I'm going to discuss, so all of you can. Benefit. I sit in the front, don't go to the two hours, come to the front,

you know? [00:01:00] Okay, what are your domain? I'll make sure today we freeze, right? It's already, I'm running two classes late. Okay, if I have to follow the schedule, I should have finished, right? Eighth lecture today. Right, I've only completed six. Okay, so I may have to skip one class actually. Yeah, one of See,

it's a good.

I don't.[00:02:00]

Right. Often, right, for serious graduate, right, my suggestion is, if you are picking a hardware, well and good. But, right, what they are saying is we want to work on a bike stand. We want to work on, right, some solution to some insects, right, that they come in during rain. These sort of problems, right, generally will need some sort of mechanical solution, [00:03:00] yes or no?

Correct. It will need a mechanical solution. It is okay. You can work on it. The problem is, you have to build your profile relevant to your area of study. Correct? This is your third semester, you will go for smart product design. Right? Then again you will do entrepreneurship. Then you will come, finally again you will come back, Right?

Sixth semester. Prototype again testing. Then if you bring this, bring this in for four semesters, you are stuck with the same thing. Tomorrow when you go for placements, right? When you put this right, it doesn't really look relevant to what your area of study, right? So those things, right? You still have trouble, right?

Fuel mechanical problem. That doesn't use any data structures, like anything from your core area of study, right? Little bit of programming. Somewhere you bring it, which means some data you need to have other can be there. I will give you an example. There is another team, right, they want to work on a blood glucometer, ok, which is a hardware product, [00:04:00] right.

If you take a glucometer, that is going to sample what is your glucose level over a period of time, yes or no? Now for a CS engineer, what is of interest? Can somebody tell me? Usual levels, comparing it with usual levels. Right. So it is data, right. Every second I am getting a data point. So, I can actually look at the day of, time of the day, what did I eat.

So, that now ties up into your goal area of study. So, that's more relevant, even though it's a hardware, it's a medical device. Because, I'm using a medical device and I'm collecting data. So, my stand, okay. Is there an opportunity to gather data? Can you pivot? When I said pivot, okay. Now you look at, okay. So, let us say you go to Vandalur, okay.

I will just pivot, okay, your problem. If you go to Vandalur railway station, if I go there, I have to park. It will be chaos if you just go there. It will be complete chaos, right? Everybody will try to enter, right? They will have, uh, some sort of a system they have. You have to enter through this way, come out the other way.

You have to [00:05:00] park in this place. If you look at it from a pure data problem, where, uh, what are the types of vehicles that are going, right? What is the average time of the bike that stays there, right? What is my average capacity utilization rates, right? Now, don't force AML into this, ok. Go step by step, first level, ok, which is pure statistics, right?

I have some sort of a look up table. Time of the day, how many vehicles are entering, type of vehicles, type of demographic, who is coming, 40 year old guy is coming, 70 year old guy is coming. Ok. Right, now when I look at that, right, now if I look at it from a pure data problem, same thing, right, is there a opportunity for innovation?

Can I provide a better service? That's the question I'll ask. For the guy running it, what does he want? Labour reduction? I want minimal number of people to be employed to run that show. What and all that can be automated, right? Any software tools I can leverage? What sort of data can I collect? Certain things you need [00:06:00] people.

You cannot automate everything. But, certain things like today if you go to a mall, right? You go in, there's a fast tag, it scans your number plate. You go in, you come out. I don't even know. Right? I get a message saying, 100 rupees is deducted from your fast tag number. Right? So there's only for 4 stocks, there's only one guy sitting there.

Got it? So what is he doing? He's just seeing if the system is working. That's it. Right? Automatically my number plate is captured. Right? It recognizes, it puts, puts in a timestamp, right, I put my car, park my car in the parking for, I do not know, 2 3 hours, right, then when I exit, my FAST tag is linked, there is again a RF antenna that picks up, right, and it is detected.

Now this is a opportunity for labor reduction, yes or no? Right? So you look at, when you pick products like this, again you say insects. Now again, can you look at it again from a data point of view? Can you look at, again? This, Here, hostel, if you go, you get all these flies, right? That bite, lot of complaints we get.

That firefly, what is it [00:07:00] called? Acid fly, right? It causes scarring and all that. They spray chemicals, right? Now, if you, if you do that, right, now they have actually increased the frequency. Every week they are trying to spray. But if you put too much also, it is toxic for humans also. If it is killing an insect, it will also harm you, on some level, right?

So, again, if you look at that, What is the solution that is there that will tell me optimal spraying, where should I spray, how much should I spray, what is the, again data problem, right? Again, even taking data because you can correlate, that's why I'm taking that as an example, got it? Right, now can you pivot based on the inputs I gave?

Will you be able to like, don't be pure, right? They are like, okay, let us improve the stand for what easy, uh, right? What is your original product statement? Uh, so this, what do you want to do? Change the design of that? Right? That's an electro mechanical problem. Do you really want to do that? See, if it's an electrical engineer or [00:08:00] if it's a mechanical or a smart manufacturer, I would have said okay.

But for you, how is it beneficial doing this? Rather in the input end, if you go. Guys, why? Right,

so, so guys listen, what she is talking about is a pure mechanical design of a sidestand, right. She is saying people forget to put the sidestand. Right, or they forget to unfold it. So most vehicles will give you, right, 15 year old bag if you, uh, It'll actually, when you put the keys, it'll be a light, and you'll hear a sound actually.

So you need to, uh, lock it. And give the vehicle audible noise, me, it'll give. So you have to hold it. Again, now if you look at the info tape, Guys listen, So, this, if you ask me, all of you have seen this Aether, Ola, the bike, this thing you have seen. [00:09:00] What is the problem with that? Inlet stat, right? Right? No, I am not, I am talking about the infotainment, right?

Navigation. Look at, look at it from the navigation standpoint. Right? Now, how many of you are interested in UI, UX? User interface. Right? How many of you have heard this term? Use your experience. How many of you are, say, the simplest version? Right? Some of you are right, a few of you are interested. Now if you look at this, okay I'll give you an example.

Right? So last week itself I showed an example. Right? You will read this first. Did I show you that? Then you'll read this. Remember? Now, there is lot of data it is showing at any given time. What is the average speed of the vehicle? What is the fuel consumption? Right. How far should I go? Where, where should I take left?

Can I redesign this interface such that my eyes are on the road? It should not be on this. With minimal additional of cost or with no additional cost. Which means I have to really study what is there. Right. Something like that will [00:10:00] benefit me. Right. Or what data to show. Right. Right. Should I always, uh, display the instant ideas, mileage?

How will it, how will it benefit my user? Right? Which means that is where I'm saying you have to explore or talk and really understand right. Of infotainment system so that the user is minimally distracted, right? Because what happens sometimes, right? The problem I often faces, right? I'll be going, there'll be a flyover and there'll be a road there right next to it.

Take this road it. If it's a UNFI place, right? I'll be here. And then suddenly. Show an A this, right? Sometimes you miss and then you have to go, right, take a long round and come back. Can that be avoided by changing the interface, doing whatever, right? That's the area where that's a, that's a problem with the map.

Google Map has the problem, you understand? So you please look at problems, right? Specifically, right. I'm canceling this class recently called the speakers that at least we can just give some sort of a nudge to your [00:11:00] thinking pattern, right? Those are nice problems. For mechanical areas graduate. Not so, can you go back ID at the end of the class, right.

What if it doesn't work this way? This guy also doesn't work this way. Yeah, we're in this together so far. No! You know where he gets his points? Everyone has at least one TV point. You know my brother was posting, he was posting, he was asking, how much do you want, do you want to give me? And then he started jumping.

He grows old, grown up with a beard. But then I go do this, not, not my younger brother, my cousin brother, my younger brother outside. Yeah, yeah. 16 years.[00:12:00]

She shares it daily. It looks like an green. Look at you. Ali. Look at me. You have. You have, but more than Ali. No. Yeah, yeah. Okay.

Idiot

man. Is Hitler. I think it's safe if you want to take a picture. No. But then it's visible, no? It's all that I want. Bro, don't grow back, man. Why does it not grow back? How do you shave? You shave every, like, every You have to push it a lot. Trim. Shave? No, no, no, no. Trim it a bit. I heard you say it. I heard it once and I asked you to say [00:13:00] it.

Bro, my father is 52 years old. Your father is younger. You should say it. He looks like he's in his 30s. He doesn't have white hair or black hair. Okay.

Oh, it's. Ah, I get it. It's just a fluff. Yeah, yeah, yeah. It's just one flab. But it's not a huge issue. You are like the healthiest person I've ever met. Full diet. No, man. We never thought this was a big issue when we were at the hospital.[00:14:00]

I'm telling you no. I'm telling you, you know, I ordered it. During exam time, I would have eaten it three times. In the same week. Lulu, uh? I think, the set, the set totally costs you three hundred. Hey, what? You also spend the money. Dosa for three hundred is not good. Dosa, I don't have money, but I'm going to sell it.

This cast.[00:15:00]

No, it's too overpriced. No, too overpriced. Too overpriced. They, he give nothing in hand, no or nothing. No. This is all road

outta context.

What's your business? Hey, we want it on. Hey, we want it on, sir. No, I don't think I can do it. Didn't come for the fine. Oh, you went to play volleyball?

Yeah. 50.

Amazing. It's good weather [00:16:00] on, okay. You go out, you go drink the shake and come. You feel full. I'm actually not sleepy. I feel sleepy. Nine o'clock? Yeah. Yeah. Yeah, like, very nice. Yeah, two minutes will do. Hey, try Manila milkshake the next time you go there. Yeah. Amazing. Yeah, yeah. I tried everything. Where?

Vanilla is the best. Where? Okay, the others are also good. Where? But then you get them everywhere. Where? Vanilla has some I don't know man. Very good taste. Where, where? Roseville, Rajasthan. Outside campus? Yeah, outside. What, I'll hit you, we went. That one only? No, next to the food zone, very close to the food zone.

Oh, that one only. My parents are still here, [00:17:00] my mother is still there. Which means still, it's very close. The one which he went on, you know. This guy also came with us. This guy, I don't know him. Oh, he was the only one who didn't come. Who? What went on? Did Sai Teh Sundar come? Sai Teh Sundar? Only once. Huh?

Only once. Huh? Only once. Did Sai Teh Sundar come with him? Yeah. One was for meeting the chaiwala. He didn't come, he didn't come. Sai Teh Sundar came with him. They both didn't come. One was for meeting the chaiwala. One was for getting part of the scene. On the day that they went to food zone. The day I came on.

Okay. Okay.

You know how.

I got B. You got A. You got B. I got B. I got B. I got B. I got B in both times. I got A in the first time, [00:18:00] B in the second time. What do you mean B? What do you mean how? Why did you get B? I don't know. I thought I got A then. You got B. You got B. Probably. Probably. But then I did switch them all down. I got B. I got B.

They don't want you to

remember. I even know the, what is that? Are you, your, the

got

there, there's a term for what? The, the, the, the two terms. What is the difference between the two terms? What, what exactly? I'm talking about inferable,

what is it? D 1000.[00:19:00]

Why is there a different, why is your people left on This is our subgroup.

I think it's the name

mediator.

Bro, mediated and intermediary. Mediated and intermediary. It was an English exam. It was an English exam. Bro, damn, this sticker, I forgot about this. I forgot this sticker existed. Oh, I forgot this existed. Yeah, we'll see if it came out. Yeah, it [00:20:00] wouldn't come through.

Why do I look so young? Huh? Look at the side. That's because your hair is this. Now what happened to them, no? This car or that car? So after, uh, this lab, we have to go there and get the transcript. There's a wall in the middle of the lab. I was here spectating. They went with a small assembly of people. One came in, they were there.

And then they passed. And then they left. They come to the lab. Maybe nothing ever happened. Maybe they just left. Maybe they didn't do anything. I was taking my bag from the back of the [00:21:00] room. What? Five zero nine. Five one five. Okay, five one five. So, you took your bags from there. Okay, the pillar. Behind the pillar.

Bro, they couldn't have done it. Because that's it. I know they just stopped me. But yeah, it was like, I knew something was going to happen when they both were going in one direction. Clashed! I was like, okay, well, uh, Either they're going to ignore and then Priyanka will be so devastated. Or Yeah, I mean, I guess Priyanka will start apologizing.

Either R or C. Or R, he would have been like, I am so disappointed.

What? I just, I just realized it. [00:22:00] What happened? Why is Patrick are not, why trying, wait. Why are they standing?

Because it's AI data,

it's not good people. That's what exactly what he said.

Okay. Okay. Okay.[00:23:00]

No, I'm actually very, I'm very sensitive. Okay. Please. I don't know why I am doing this, but uh, 'cause your brain is telling you is not, actually, it's not, is it socially conditioning? Or this by birth. Are you sure?

How do you think some people not? 'cause they have not been, they've not been across it.

They, they so used to it that they don't,

I can control if I want to, but I don't want for some reason. He's like a pookie for us. What do you [00:24:00] mean by pookie? What the hell are you? I don't know. He's texting someone over here. Yeah, someone is texting. I don't know how. Swipe. Swipe. Swiping is not very accurate. It is. Not very accurate. It's like you're annoying.

You get it wrong if you ask questions. I'll tell you why. Even when he asks two hands free, he'll let you know. Convenience. No, it won't. It won't give you a cut.

One, one word from, yeah.

Okay. Tell me another.[00:25:00]

Pookie is not. God, God, that's all. God, God. And we text like this only, we text in slang. Who texts so? No, pookie is not an autosaved word, that's why. Okay. Kooky. Okay, I'm a bee at your house at 11. I'm a also is not. I'm a also is not an autosaved word. Say it for me, I guess. Ah, say I'm a. Oh, you're texting me on Instagram?

Who else? Baru, Milka. Milka? Oh, to play a dick game. I got scared for a second. What is hot milk? For me it's a, um, Umar. Who is Umar from? I'll tell you, I'm a girlfriend. Umar. Anyway, I'll text you. [00:26:00] Mess. Mess. I, I did it with one hand, okay? You're doing it with two hands. I'm not using this hand. Still he is not able to.

It's a skill issue, man. Okay, let's see. Two times faster with one hand and two times faster with two hands. Okay, tell us, tell us, tell us. You want just fingering. You increase brightness and no one's gonna see. Can you stay up all night? Hey, tell da, ok, 3, 2, 1. What? 3, 2, 1. Can you stay up all night? Wait, wait, wait.

Wait, Bhadresh, no, one second, wait. On Bhadresh chat. Bro, bro, bro, what, what are you guys texting me? My mother will see the chat. Ok, she won't see it. Ok. She won't, she won't, she won't. No, bro. She doesn't, she doesn't text all night. Is it joking? Some people's mothers text all night. Give the count. Like 8, 12, 13.

Give the 3, 2, 1. What should I say? Can you stay up all night? Ok. Is it recording? Yeah.[00:27:00]

what should I forward about that? Can you still apologize? Why? Is it still recording? Yes, it is. Okay. Three then be fine. 2, 1, 0. Fuck. Yeah. He sent it to me, bro. I didn't send. He's given whatever he wants. Oh, my data is on. Oh, you want my data as well. Okay, bro, next. And he said cab. Yeah, it's a good idea.

Aditya is correct. But then you are faster. Tell. Tell, tell, next sentence. What, what, uh Touch me till the end. That's fucked. What is it? It's a Adhiyana Grande song, bro. It's 3435. Yeah, 3435. In the next, in the next line in that song. Next line in that song. What is the exact, what is the exact sentence, what is the exact sentence?

Cut me till the daylight. Okay. 3, 2, 1, [00:28:00] 0. Daughter gives him daylight.

See, it's so unreliable. If I send this to someone, you know, I Okay, actually both ways are wrong. Wait till the doctor arrives. Wait till the doctor arrives. He comes. What? Wait till the doctor comes. That doesn't even make sense. Man's break now. That's okay. No, you don't know. You don't have The daughter is 18 minus rating.

Plus

probably.

Okay.[00:29:00]

Uh, how is it so hard to, I am speed. Your innovation is, you know, innovate something. Innovate something. We both got B man, you should man, you should be going. Just support. Uh, I got into Segmentation 5. 3, 2, 1, 0. Fine guys, I'm also joining. I'm bored. You are the person we are sending the message to. I will send it to Freesa.

Let's create a group, wait. Let's create a group. Group? No, no, no, no, group. Go to the old design group. Okay, design group. Old design group. Old design group, DS. Who cares?

DS is not there. So yes. D It's not, not disturb DS two thousands, D or Ds. That's it. Only who was there that I actually got Ds 2000. [00:30:00] Go. Ds. Ds. But then 11. See who must not be named there. Oh. I mean, I don't care. Do you care? Okay, I will. I will type it to . Tell a, A one group DS 2000. Will do company DS two, 2002.

The main one. The main one. Ds

still this hard group now? Yeah, group now all here. Okay.

Okay. What is the thing? So give us a sentence. You'll see who type the password. Yeah, but it depends on data suite. Yeah. But, but doesn't matter. You take your hands off the phone. That is when you

what? Drive,

whatever you're comfortable. Yeah, okay. I am cheating. Do not move the furniture. What? Do not move the [00:31:00] furniture. Do not move the furniture. Do not move the chair. Do not move the chair. Do not move the table. Tell one sentence. Do not move the furniture. Okay, do not move the furniture. And it should be, spelling should be exactly correct, then only then it's fine.

Fine, fine, do not move the furniture. Do not move the furniture. Here is the count. On go, okay, on go. Three, two, done. Look, mine is so small.

Like my net network net, not net footage bad. Not is good.

Yeah. I don't like what it comes. Next, next, next. Next.

What shit is he going to give now? It's actually really early, it's going to be a hard sentence.[00:32:00]

Eh, tell some sentence now. Eh, what?

I love football, thank you. I love football, thank you bro, come on. Made you angry. I love football, thank you. Yeah. Okay, okay. Fine. 3, 2, 1, go. Bro, net is not there. I can't help it. Yes! Okay, I didn't put comma on there. It's not correct. Hey, what? Space after comma. Space before comma, no. I [00:33:00] said, for that. I said, for that.

See, I don't get it. Shut up. I sent it first. I sent, look, I sent it first. No. Listen, see here. What? My net was not there. My net was off. I mean,

what? What? It's me, but not you. It's you, but not you. Okay.

Sent.

All this is not, not me, bro. Well, last one is me. Yeah, not you. Okay. All is not error. Error,

automatic. Okay.[00:34:00]

What? You know the LP right now, you have to make another one. Tell da, Bharat. I did a video for you. I did a video for you. I did a video for you. I did a video for you. I did a video for you. Actually, yeah, yeah. I did a video for you.

What challenge of committee

commensurability.

What, what is the word? Challenge of integrating what? What challenge of,[00:35:00]

they were trying to tie, they were trying to tie their shoes. They were trying to tie their shoes.

Then what is internet? Minus internet. Minus internet. I

You are, you are gone. I came first. I came first.

What do you mean? Mine is coming. We need same in here. I'm using AAADM. Sorry, Hacker. Who is Hawker? Anurag. Anurag? [00:36:00] No, Hacker. Hector's on the way. He's bored he's Lost a mother in unison. I want the Cadill. Yeah. He knows. So it's safe to say I don't. He wants to take the exam. He's took the exam. He's in the classroom.

It's better than only driving driving a car on the highway. Oh.

Your current? I don't have part information. Yeah. Yeah. How is it leaking? Have you told her everything? I told her long back. What did you tell her long back? Talking about his currents and his eggs. If his current knows about [00:37:00] the information about his eggs. Not eggs. Past data. What? Past data. Why not? Why not?

Almost no one is safe from neckless kicks. I don't know. You don't work in the hospital? Hmm? I don't work.

Mine seven.

You, you know, the snow, whatever happens. Yeah. Scam. Scam. Actually, yes. Why the fuck would you do that? I have no clue. What did they mix? Animal or something, no? [00:38:00] Beef. No, beef. The oil that they Used for beef or something, I don't know. Palm oil, basically. What is wrong in the oil? Palm oil, no. They didn't put beef, no?

No, bro, I think they put the oil that was used for making beef. What is wrong in that? The same oil! It's not like they used that oil and then put it, no? Yes, that's what they did, I guess. Yes. But, almost no outside food. Eggless cake. Worst case, only pure veg food. Searches for green simple in toothpaste.

Tirupati. No, but there is a green simple in toothpaste. What works faster than a calculator? Calculow. This dinosaur is so cute. I add jokes. I make better jokes, honestly. Adding superstar lyrics is such an insecure way. People thanking me for keeping their [00:39:00] cigars. Me who has shorter memories. I've seen that meme so many times.

Hey, it's me. Posting a song, eh? Bro, what the fuck? So cringe. In notes and all, they put. I will show you, see. Bro, they're so clear, bro, where they put it. What the fuck? It's like they want people to know their mental state. Men are not like that. Time flies. He has flies. Huh? He has flies. He's going to start his new life.

Bro, last year Bharat had some Pawan Kalyan. Pawan Kalyan. You had some line, no? Which you used to repeat. And then this guy used to go mad. Fahad Fossil da. Fahad Fossil. Prashant Neel. Prashant Neel. Ha ha ha. I [00:40:00] don't know. Syringing. Bro. Samutra Kanni. Kanni means man. Samutra Kanni what do I know? I don't know either.

Yeah. What is Duggoo? Coffee. I'm asking. Chris Evans. They would have told that. Kisan. Kisan, Kisan. Dulquer Salmon.

60 54.

We played after the whole game.

Can you? Yeah.[00:41:00]

I can't, I can't say it.

I got them.

Do you think of any related?

No. Actually.

I got the moo, moo, mooo, smooth like jaggery Listen, donkey Wait, it's already a donkey. No, that's a zebra. Oh, it's a zebra. Oh, damn! Lotus, root, and one. [00:42:00] Note the point of the ring. But it does look like a donkey, don't. It looks like a horse also. Oh, wait. Internet is not there. That's right. See you, bro. See you, leave.

Arun. Arun. Has flies. Yes.

How are you getting that

now? Actually [00:43:00] what?