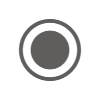
**CDS (IISc) Familiarization Event for Mid-year Admissions 2024-25-20241115\_100539-Meeting Recording**

November 15, 2024, 4:35AM

4h 0m 0s

 **Speaker 1** started transcription

 **Speaker 1** 0:27  
Good morning, everybody.  
Thanks for joining this pre interview familiarisation programme.  
For CDs Media Research admissions, my voice is clear, right?

 **Speaker 2** 0:43  
Yes, Sir.

 **Speaker 1** 0:44  
OK. And can you see the slides that I have shared?

 **Speaker 3** 0:44  
So.

 **Speaker 4** 0:46  
It's the.

 **Speaker 5** 0:51  
Yes.

 **Speaker 4** 0:51  
Yes, Sir.

 **Speaker 1** 0:52  
OK. OK, great. Thank you. So yeah, so today's session is mainly aimed at introducing the department, its activities and the programmes, research programmes that are offered.  
And.  
You know.  
Also, to introduce you to.  
The admission process and the various labs that are accepting students in this cycle.  
And.  
Most importantly, the session can be used to clear, you know, any doubts that you may any of you may have.  
Right. So.  
Once so the agenda is initially, I will request our department chair, Professor Venkatesh Babu.  
Who is also the convener of the Vision India Lab, who is here in this meeting to, you know, introduce CTS and its research and other activities briefly.  
And then we'll try to go over, you know, the research admissions page together and try to see, you know, if.  
You do not have any information and we'll share some of these, you know, important information regarding the admissions process. And finally, we'll open the forum for question and answer.  
And.  
You know you can raise your hands and we can, you know, call one after another because there are quite a few people here in this meeting.  
All right. So I will request Professor Venkatesh Babu, the CDs chair to, you know, take over and briefly introduce the department. So what do you, Professor Babu? So, yeah, you can get started.

 **Speaker 6** 2:43  
Yeah. Thanks, honey. So yeah.  
Yeah. Thanks all of you for your interest in joining CDs. OK. So the competition and data science is it's a relatively new department in Indian Institute of Science. It was previously known as CSC Supercomputer Education and Research Centre. So the name was not conveying what we are doing inside the department so.  
This was the renamed actually in 2015.  
As computational in Data Sciences CDs, well, OK, and I'll just give a brief overview of our department to what are the courses that we are offering, how many faculties we have, where we are actually in Iase 3 basically, right?  
OK, so if you have any questions, yeah, you can ask me and then, yeah.  
Right.  
So an even yeah, can change the slides.  
So yeah, so we have multiple divisions in the Iisc, there is a division called Division of Interest Disciplinary Sciences. So it has like many departments, most of them are small centres whereas CDs appears as one of the departments in that.  
So yeah, so it's one of the biggest departments of these division. OK, we have about 19 faculty working in various areas, OK.  
Right next slide.  
I'm professor namakkavan deep, OK and the course is offered. What are the courses we offer is?  
From research side, we offer M tech research as well as PhD. OK, but this winter admission is only for PhD students. OK, so in regular admission, which which happens in the interview happens in March? Sorry in May every year. So there we allow our students to take amptic research as well. OK.  
And the courses that we offer are M tech CDs as well as M tech AI. So M tech AI is kind of distributed across so many departments around six departments and CDs also participates in this. And then we have about 15 students from our department totally about 70 students are there in AA string, whereas M techs TA A/C DS is the exclusively from CDs department.  
And established in 1999, now we are actually kind of 25th batch that we are kind of having now. So we have about 35 students.  
In each year, tech CDs Mtech a another 15.  
Totally 84 core students and research students. Again, similar number of research students we have.  
Text.  
So what is? What is the research areas that we have at our department? They can be broadly split into two parts, computational science and the computer systems. OK. So computer digital science deals with different kind of topics like photonics.  
Computation, fluid dynamics, medical imaging, optical topography, computational biology, final time and analysis. All those things. OK. Whereas computer system side.  
More and more, most of us work in computer related area where computer science department related area something like cloud computing.  
Vision and machine learning MLP as well as database systems and distributed systems, big data platforms, all those things.  
So whereas the computer systems people we look, we look for students coming from electrical state, electrical, electrical, electronics as well as computer science, whereas computational science they have a begin broad spectrum.  
They accept students from civil, mechanical as well as from mathematics, physics, all of those, even chemistry kind of areas, OK.  
Yeah. So we have about 19 faculty in our department, OK. And you can see most of the faculty are kind of well trained from top universities and then.  
They are here teaching various courses and guiding many students. OK and you can see the faculties.  
And what area they work in so you can look at this web page and then find out which which area is quite interesting.  
I want to encourage all of you to look at the lab page, OK? Because we are coming here as a PhD student, so it's a kind of a long term commitment, right? So four to five years, we're going to spend here and you should spend a lot of time before kind of taking up a particular lap. So if you're kind of interested in a couple of laps, please go to the collabs.  
Web page.  
Most of the labs they update that Web page regularly, OK.  
And you can look at the publication where where they publish and what they publish. OK, whether it is interesting to you, OK, whether you really want to work in this particular area. OK. So this is the groundwork that I expect you to do, OK, because all of you are coming from PhD and you need to do a ground work there. OK. And as of course, you know, IAS is one of the.  
Top places and best place to do research in India, right?  
And also we have wonderful faculty here. So all you have to do is find out which area you want to work, which is you where you wanted to publish and then kind of motivated to do some work. So that is very, very important. OK, without that background work, I will strongly discourage you not to think about PhD at all, right? Because it's a long term commitment.  
And you should be kind of focused, OK and we are here to help you out if you have any questions, OK, right.  
So each faculty you just visit their their web page, there's lab page as well as their Google Scholar page. OK how they are working. OK, all those information are available at your fingertips now. OK, right. Please spend some time and look at their labs, what they want to do, how they want to do. Right. And prepare your this thing accordingly. OK.  
So what is the expectation from that lab, right? What are the subjects they wanted to check during the interview, right. So we can prepare based on that. OK, don't do the other way. I keep I encountering students having this kind of attitude. I will take up the simpler subject. What I know well and which lab is having that subject as a pre work is it. I will take that lab. OK. It doesn't work that way. OK.  
So first priority should be your research interest. Then you should prepare for them. It is not the other way what you know. Well, OK, I know this particular topic very well, but only these labs are giving this particular subject. So I will choose the subject. So that means you have no idea what you want to do and our faculty so may not be interested in the candidate who is not focused. What he wants to do, right.  
So give primary importance to.  
The subject in which you are interested.  
K then proper recording, yeah.  
And yeah, next slide now.  
Yeah. So.  
Many of our faculty are doing wonderfully at the international level, so yeah, this photo is one of the examples where things of the computing our faculty and students we are getting ACM got on the price, which is one of the prestigious awards. OK, so like this many of our students also get best pieces of our for example, jogendra kondu from our lab that he received.  
Acm India mentioned dissertation or this is a Pan India Award. OK, all the students from.  
Throughout India, they participate in this and then they select these thesis, which are the best ones among India at country level. OK, so in fact he received both the ACM India as well as IK and ET doctoral dissertation. And you can also look at when you look at the web page you can see where these students went after doing their PhD.  
Whether they went to academia or they went to industry, if they went to industry, what kind of industry, what kind of Academy are they meant? OK, that also gives you the pointers, right? For example, yeah. Jangan Rahim went to Meta in the US, nobody recruits directly from Mehta from India. Right. So he's one of the few students who was directly recruited by Mehta directly from us. Right. So yeah, similarly, you look at whether the students are going outside.  
Becoming a faculty in IIT other is some top races like this OK, that also gives you more idea about the lab. So some of you may be taking a PhD to be in academics. Some of you may be wanted to do something in the industry. OK, so it's better you check out these details on the web page.  
Find out whether students went out this kind of places and then.  
Doing their job in these top places, right?  
Right. So yeah, you can also keep seeing our CDs webpage which is being updated regularly with the. These are a bit.  
Older awards. OK, so if you look at the web page, you will see there are many new awards received by our faculty as well as our students. OK.  
Next.  
OK. So that concludes my introduction to the department computational and Data sciences. Yeah, we have about, yeah, 170 students here with 19 faculty and a couple of mtec courses and research teams. OK. And one of the kind of.  
First, first growing department and quite impactful department as well. I would say among other departments in my ASC, right?  
So many top tier conference papers are getting generated from CDs much better than any other department.  
From IAS itself, right? So.  
Please welcome to CDs, OK.  
Yeah. We'll meet you at the interview on Monday, right? So yeah. Now, Anirban, I'll hand over the stage to Anirban and he will give you some pointers.  
How to go about and do some kind of a background work before coming here for the interview?  
OK.  
Thank you.

 **Speaker 7** 14:56  
Venkatesh, can I just add one point?

 **Speaker 6** 15:00  
Yeah, sure. Funny, yes.

 **Speaker 7** 15:02  
So this is funny here. So basically you should be also aware all the students that all labs will not be taking students this cycle. So specifically you have to focus on only those lab.  
Which will offer positions. Yeah. And that is something which is important compared to the organ.

 **Speaker 6** 15:18  
Yes, exactly, yes.  
And I think Anirban already shared that info students, right.

 **Speaker 1** 15:27  
Yeah. And I I will also discuss this today. I will also point in case, you know, some of them may have missed it. So yeah, sure, sure.

 **Speaker 7** 15:27  
84.  
Got it. Yeah. Yes, yes, yes.

 **Speaker 1** 15:38  
Alright, so yeah.  
Any quick question from you before we move on to the, you know, details of the interview process and the app and so on.

 **Speaker 2** 15:51  
Hello. Good morning, Sir.

 **Speaker 6** 15:55  
Yeah.

 **Speaker 2** 15:58  
And I have one query that while filling the choices of department.  
So in some lab lab, it is required that a student accept from CS ESC or EE background qualified and I done my amtap in mechatronics from IIT Patna. So can I like and my detail is in mechanical. So am I like eligible for these branches also?  
Because my I'm taking my electronics kind of a line with it EE branch.

 **Speaker 6** 16:41  
Yeah, funny.  
No, I mean.

 **Speaker 7** 16:46  
I think these case we will have to consider case by case.

 **Speaker 6** 16:50  
Correct. Yeah.

 **Speaker 7** 16:51  
Based.

 **Speaker 6** 16:53  
So yeah, basically, yeah. You'll be kind of going to a mechanical panel basically. And based on your performance there, they might transfer you to another panel as well. OK. So.

 **Speaker 1** 16:53  
Yeah.

 **Speaker 7** 16:55  
Sorry.

 **Speaker 1** 17:05  
You're right. Yeah. Yeah.

 **Speaker 6** 17:07  
Yeah. So it's not that this is, this is a very hard rule or something like this. It's a kind of the expectation for each of these laps. OK, right.

 **Speaker 2** 17:20  
OK. Thank you then.

 **Speaker 8** 17:26  
Uh, good morning, Sir. I have a query.  
Sir, I have received a interview letter and they have mentioned there there are two departments like the first one as you have told me, company computational and Data Sciences and second one is computer science and automation. So my interviews on Monday and that yeah on the evening time. But Sir at the same time they are going to be happen or like there will be some you know time duration because they're both having I guess different labs there.  
So I mailed regarding that.

 **Speaker 6** 17:59  
Are you having a interview? Is slot same slot for both the departments?

 **Speaker 8** 18:03  
Yes, Sir.

 **Speaker 6** 18:04  
How come that that should not happen? No, actually.

 **Speaker 1** 18:06  
Yeah, this time it has happened. Actually. I we. Oh, whoever wrote to us. We have already informed the Academy admission section and they have given a different slot. So yeah.

 **Speaker 6** 18:09  
Oh really?  
OK, so that.  
Oh, OK. So yeah, that's that's not a big deal. So you finish in CSA and come out. You can finish here and go and they both are quite flexible. OK, so nobody.

 **Speaker 1** 18:25  
Yeah, just just write to just write to us. You know, you can write to me. Danish and CBS office.

 **Speaker 6** 18:31  
Yeah, better. Yeah. You write that mean. That's so that note they note down that you are going to come and do that session. Yeah.

 **Speaker 1** 18:34  
Yeah, yeah, yeah, yeah.  
OK, it's OK. I mean, there's no don't need to worry, OK? We can always accommodate you. If there it's a genuine case, OK.

 **Speaker 8** 18:46  
OK, Sir, there will be any written before that or it just going to be a.

 **Speaker 1** 18:49  
No. So in fact, why don't we first talk about interview process that might clarify most of your doubts before taking the questions. In fact, I'll be talking about it the process. Yeah, yeah.

 **Speaker 6** 18:55  
Like. Yeah. Yeah, correct. Yeah, yeah, better to. Yeah. You can do this. After that, you can take the questions.

 **Speaker 8** 19:03  
Yeah, sure, Sir. Thank you so much. Thank you.

 **Speaker 1** 19:06  
Sure. So I will share my screen. You can let me know.  
If it is visible.  
Can you see my screen?  
OK so.  
So this is the CDs web page, OK and CDs dot IC dot SC dot in most of you must be familiar with this website address. So now if you go to academics, go under academics, then admissions and then Media Research admissions 202425, right. So if you click on it.  
It will open this web page right? So which has a whole lot of details. And anyways we have also shared the link of this page in our earlier emails with you.  
So.  
First, I will talk about, you know, the Media Research admission interview process. So as Professor Venkatesh Babu has mentioned. So in Media Research admission cycles. So we have two cycles of admission, right? So the main one.  
It happens during, you know, the.  
Summer months, right? The admission portal opens in, you know, early March, late February, around that time.  
So there we accept both M tech research and PhD students, which are the two research programmes under which students can come in.  
However, for the media cycle where you are applying right?  
We only have PhD admissions. We do not accept M tech research students. OK, so if you are eligible for a PhD, you can apply and and most all of you have applied for PhD. So this is just to clarify.  
So all of you must have received a call letter from the IC admission section.  
Via e-mail and that, you know, call letter should contain you know the.  
Interview times and days, right? So basically, the interviews are scheduled for November 18th, 19th and 20th. So which are which are basically Monday, Tuesday and Wednesday and Wednesday for our department.  
And you know, for other departments, most other departments similar, you know these and depending on your preferences that you have given you know either all all the three preferred departments or you know a subset of that have shortlisted you and that is mentioned in your call letter and the interview dates and times will be given in the call letter. So it will be given either as you know.  
One of the dates and morning sometime in the morning and or and the date and time in the afternoon. So we have two slots per day for interview at CDs. So we have a morning slot which where the interview starts at 9:00.  
So all of you who have interviews in the morning slot, I request you to report to the department CDs department office CDs department by 830 latest because you know we need to verify some of the documents and assign you to the respective panels. They where you'll be interviewed at for students who or applicants who have.  
Their interview, scheduled in the afternoon. It might be written as 2:00 PM, right?  
So I request all of you to come around, you know, latest by 130, preferably 1/15 1:30. So let us by 1:30 and report to CDs so that we can, you know, quickly finish your.  
You know, verification the document verification and assign you to the different panels to the panel where you'll be interviewed at right and this panel assignment will be based on the lab preference. Although you know there could be a situation where your preferences may span multiple panels according to our assignments.  
And then you know, if you are, you know you can be potentially transferred after interviewing in one panel, you may be actually asked to go to another panel for the other lab that you have, you know, expressed interest. OK, so.  
Come early and bring all the qualifying documents right. For example, if you are get qualified, bring your bring all all your you know, gate scorecards basically right so that it can be verified which should have and and and the details that you have entered in the admissions portal and the details in your you know the documents that you bring for verification must be identical. OK.  
So that is very important and that's why that's what we verify. So especially let's say if you are gate qualified or if you are just a net qualified right net for JRF. So bring all the necessary documents and transcripts if you are coming after your MEM tech. So bring all the transcript of your you know the transcript which has all the grades for your undergrad and.  
Transcript for up to your current semester.  
If you haven't completed your M tech MEM tech yet, or you know your the final transcript, so we will, we will have to verify the you know, CGPA that you have entered and that you have graduated your programme et cetera that that you have entered in the application portal. OK. So please bring all the documents if you are in doubt if you have to bring something or the other.  
It is better to carry it right?  
So if if you want to know whether you want to carry, let's say you know.  
A certificate or not let's say.  
The reservation certificates and things like that, please carry with you. Also. Please bring a photo ID that can be used to verify. OK. Your your identity.  
Now we have shared a Google form with you right with all of you and I'm giving reminders every day. You may have received even an e-mail, you know earlier today, right. Or last late last night. So this Google form is mandatory to be filled out by all the shortlisted candidates. All of you. Right, who are called for interview because.  
These this is where the department collects all the necessary information from the research programme applicants.  
You know that is used. That would be useful to, you know, first of all, for us to know where when you are coming and at the same time, what are your lab preference which is the most important thing, right? So as Professor Venkatesh Babu and, you know, Professor Fanimo Tamari mentioned, so you have to go through the list of labs that are accepting students in this cycle. Right? So for example.  
In this page itself, if you.  
Below you see the following labs accept students from all background qualifications and these labs are algorithmic techniques for computational genomics or atcg by Doctor Chirag Jain. And you can see the lab website and a brief lab description is given here, right. Although this is a brief description, but you should all click on the website links go to the respective websites and.  
As Professor, Venkatesh, Babu, and Fani suggested, you should actually look at the research pages.  
And all the public recent publications, you know or any other thematic research areas which are described in on their web pages, so that you you can know that if it aligns with your research interest, right and you want to, you know, pursue and you can pursue APHD, you know in this in these areas. So then if you based on your preferences, we are asking you.  
To enter in the Google form up to three preferences.  
Lab preferences out of these labs so this atcg biomolecular computational lab computers, computational laboratory, or BCL by Professor Debnath Pal. Competition and Statistical physics lab by Professor Murugesh and Venkat Pati.  
Matrix lab, that is the materials, physics and algorithmic techniques for research in extreme computing. So which is led by Doctor Fanimo Tamari, who is also here in in this meeting.  
And please go over all the, you know, descriptions that is given on this page.  
Most importantly, go to the you know faculty and the lab pages and look at you know, the recent activities in the lab to know more about the research, right. And also one more thing is that each of these, you know labs in on this page as you can see each of these snippets also cover.  
What kind of students each lab is, you know, looking to.  
Accommodate in their labs in this cycle and the, you know, prior training that.  
That is necessary for each of the labs and you know the interview topics, right? So we have some generic interview topics. I will come to that momentarily. Apart from that, there could be lab specific interview topics. So initially in the interview, once you know the document verification is done, you'll be sent to one interview panel and asked to wait there until your name is called. So.  
You know that would be done based on your preferences, right? Whatever lab preferences you are giving in that Google form and that's why filling out the Google form is mandatory, right?  
To be to be for us, to be able to interview you, send you to the right panel, and so on. Right. So that's why whatever you know, labs, you give preferences for you should look at their interview topics, right. The lab specific interview topics as well. Apart from the interview topics, you know that we we have we will we will discuss about you know the basic topics right so all of.  
This you know, you should take a look at and prepare yourself well.  
You know, so that you can, you know, face interview from this different labs.  
The other labs, you know this, the, the these four labs are from, you know thematically from the CP side. But of course you know all the labs in our department.  
Although they are very even very, you know from diverse areas, but they're all centre disciplinary in nature. So you know you can look at their research so.  
From the these labs dream DSL, Mars, NLP Val and VCL, are they typically accept students from the EECS background like cacce?  
And the likes right or similar areas, right? It software engineering and and and so on, right, data science. So these labs are a Dreamlab which are distributed systems research on emerging applications and machine.  
This is the convener is Professor Yogesh Simhan. The lab web page and the faculty web page are given lab descriptions, prior training, and interview topics. Also, some labs give recommended reading, so especially if you you know if you are really keen on such labs, you should try to see if you can make yourself familiar with one or more of this recommended.  
Readings so that you know potentially you can discuss.  
You know, around these papers or this this these documents as well at the later stage of the interview.  
Database System lab is you know.  
The It's convinced Professor Jayantharit, Sir.  
The website is here. The middleware and Runtime Systems Lab or Mars Lab is also accepting PhD students this cycle. The Confidence faculty confidence professor Shashish Fadhiyar and his website is given here and the research topics, interview topics training are given here.  
In LP or natural Language processing lab.  
The faculty convener is doctor Danish Pruti and his website and also the research of that his lab does is given on this website as well as briefly mentioned in the lab description, the interview lab specific interview topics and the prior training expected from the applicants are given here. Next comes the vision and AI lab which is.  
Or the PAL lab which is.  
You know advice by the convener is Professor Venkatesh Babu, who is also the chair of the department. Just spoke to you, the website for the Val lab is given here. So you should, you know, go go there if you if you're interested in computer vision, you should go and check the research and their recent works and you make yourself familiar, right?  
And their recent achievements and so on the interview topics.  
You know are also, you know, mentioned some of are necessary and some are optional and also what kind of prior training the students may have, you know.  
You can check that as well before joining this lab. Finally, Visual Computing Lab which is you know, the convenient is myself. I'm anilban Chakrabarty and the lab website is given here and you can also, you know, go to all the for all the faculty conveners you can go to CDs webpage.  
Faculty and you can click on the faculty link and you can go to the lab as well as the faculty web page from there as well. It's all there on the CDs website. The lab description is given here as well. As you know in the website. So you can go to the website to get more details about this lab works in computer vision as well, and the interview topics you know.  
Are roughly given here. Again, some are mandatory, some are optional but recommended and.  
Prior training that we expect is also given given here, so you should very thoroughly not only read this page, but also the lab web pages to get know more about the research going on in the lab. In all the labs that you are that that are accepting students in this year so that you can, you know, make an informed decision, take an informed decision about.  
Your lab preferences that you have to enter in the Google form.  
Right.  
And and and you should take a decision very carefully because it should align really well with your own research interests, because you have, as professors mentioned earlier, you have to commit.  
You know, quite a few years of your life into this PhD programme, right, and it requires a lot of rigour as well as a lot of motivation, so it's very important that you are motivated to work in these areas and and and and after carefully considering what what are the different areas that.  
Apps work on right? So only these 1234 and these six. So total 10 labs which are accepting students this cycle. Unfortunately other labs are not accepting students in this cycle. So they might accept students in the next cycle. However, you should only give your preferences out of this 610 labs in the Google sheet for this year which.  
For which you'll be interviewed. So in terms of the interview, there is no written test.  
So once your document verification is done, you will be by CDs office stuff. You will be, you know, sent to your respective panels based on your.  
Lab preferences that you have entered in the Google form and that's why again I'm repeating. Please fill out the Google form if you haven't done so. We will also provide the link on the top of this page. You know immediately after this meeting. But anyways, I'm sending you reminders every day.  
So please fill out and the the form if you haven't already done so, because that's absolutely important for you to be interviewed in the right panel, right? That is the most important thing so.  
Once you go to the interview panel, you will be asked to wait outside and then when your name is called you will be, you know, admitted to the panel in the respective room where the faculty members will be seated.  
And some faculty member in the panel will be from the lab.  
You know which are maybe your one of the top preferences, so the initially the interview. The topics that I mean this is not you know an exhaustive list but these are mainly the areas where you will be tested on. So these are the fundamental topics that we require all our research applicants to be familiar and quite, quite quite strong in.  
So the basic topics are linear algebra, probability and statistics.  
Programming data structures, algorithms, numerical methods.  
Ods ordinary, differential equation, discrete mathematics.  
And and so we expect you to.  
Be or have prepared, at least at the level of final year undergrads, right? So.  
What an undergraduate, you know, degree holder will have what knowledge in these areas, right? So all of you should have had, you know, some of these topics done.  
You know, especially, you know, linear algebra and probability and statistics and a little bit about, you know, other topics in mathematics, engineering, mathematics, right. These are the most important. And then, you know, depending on the labs, you are choosing, basic programming is also important, right. So we may not be, you may not be asked to, you know, write a code in in a particular language with syntax. But at least, you know, algorithmic thinking is what is necessary, right? So.  
You should be able to.  
Solve you know if you're asked an algorithmic problem, right? If you're asked, given a problem and asked to give an algorithm to solve it right. So you should be able to, you know, do it. At least write a pseudo code right so to to give you the logic. Give us the logical steps that you would follow, right. And of course, if you know any particular language, more the merrier. Some of the labs you know, especially from the computer systems side.  
They sometimes require the students to know more details, you know, in terms of particular languages or.  
Topics in data structures, so please check on the lab specific topics given under each of these labs below. So that's where the advanced topics come into picture. So advanced topics are, you know, basically once you answer, you know once the panel is you know happy and confident that you are OK in terms of the fundamental knowledge is in some of these areas like linear algebra, probability, differential equations et cetera.  
They might also ask you questions on topics related to the labs given as per your preferences, right? So suppose you have given you know some lab as a first preference and you know you may be asked to asked on the topics that are given like as let's say specific interview topics, right, say let's say graph algorithms or you know design analysis of algorithms more.  
Detailed data structure questions and so on for for different labs, right? It depends on which lab you are you are giving preference for. So for another lab.  
You know, it might be, you know, a linear algebra, calculus and differential equations for some lab. It might be, you know, operating systems and so on. And for some other labs it will be, let's say, basics of machine learning, let's say, or more details on probabilities and, you know, basics of language modelling. If you're interested in 11 so on and so forth. So.  
You should also look into the advanced topics pertaining to each lab. OK that you are, you know giving preferences for so that you make yourself prepared.  
Question specific to the labs you know interview topics so.  
Again, to stress that you must prepare well on the fundamental topics, right and you should have a focus and knowledge. In fact, in the Google form we are asking questions like, you know, why do you why are you selecting certain lab as your first preference? Right. And we actually look look at those answers. So please make sure that you spend some time going through you know these lab references or the lab websites, the research areas so that you can.  
And, you know, convince yourself also, you know that you. Why do you want to apply to that particular lab if you have any particular problem or general idea that you want to explore during your PhD, right, that you can propose also, you know that we always encourage students to propose some areas and so on that shows that they have done their homework right, that they are focused.  
And and the labs may also ask during the interview, why did you apply to this particular lab? Why do you apply to my lab? Let's say some people may ask some faculty.  
Interviewers may ask so and and and if you give a very vague answer right, you know this is a, you know, a hot area and things like that. It might not, you know, occur well in terms of, you know, the impression, right. So you have to show that you have, you know you you have really thought about it right before taking that decision. And what are the reasons that have convinced you that?  
You can work in this area and you, you you can. You will want to spend, let's say 4, four years or five years or five years of your time in this areas, right.  
So, so yeah, I mean and why do you want to do the search? What are your what do you want to do after it? Let's say I mean that can be you know it may have may not have decided yet but at least you know we want to know your wish list also right. So please think about these things also before coming to the interview.  
OK, so fundamental topics are very important and of course you have to also prepare yourself with, you know more some, some of the topics.  
In the advanced Lab specific interview topics given under each of these labs, OK.  
So yeah. So again reiterating, please bring all the documents like your transcripts, any certificate.  
All the degree certificates. So whatever you will bring right to let's say a job interview. Similarly whatever academic record and reservation certificates, whatever you have right you you should bring if you are in doubt should I carry this document to this we asked for us to show definitely carry it also.  
All of you must carry a print out, at least of your.  
You know.  
The the call letter interview call letter that has been sent to you by the admission section, right? That would have the application number right? So please carry. Take a print out and carry a hard copy of the.  
Interview call letter with you when you report to, you know, for for CDs admissions. And again, please come early. So for morning Sessions, please try to report lettuce by 8:30 in the morning and for the afternoon sessions.  
Please try to report latest by 2:30. Some of you may have, let's say interviews in the morning session. So please make sure that if you have another interview in the afternoon session in the other department then please interview the morning session department up front. You know when you are assigned when you are waiting in front of the panel that you have another interview later in the afternoon and.  
You know, if possible, whether they can interview early head so that you can go.  
OK. Yeah. So, so this is this is it. And in case there is a valid reason where you have a conflict in terms of interference slot given for the CDs department, suppose one of your you know friends have already mentioned that there is a you know same slot is assigned and some in some cases we are observing this time this has happened due to some technical constraints.  
So please write to us, e-mail me Professor Danish or CDs office, right.  
Are all three of us and office dot CDs at SC Dot SC dot in Anirban at the rate IC dot A/C dot in, so we all know you know we have been sending you the emails and inform us why you want to have the slot changed, right? If there is pressing reason. So we will try to accommodate your request accordingly and move give you a different slot. OK. But it's important that you fill out the Google form.  
And you share your application letter in the same e-mail and give a valid reason. OK.  
With that I I would conclude this I and I open the forum for any.  
You know a question that you that you may have.

 **Speaker 9** 45:43  
Can I have something?

 **Speaker 1** 45:45  
Yes, please.

 **Speaker 9** 45:47  
So so we will be having only three interviews or I mean three different panel interviews, right?  
In the.  
But.

 **Speaker 1** 45:56  
No, no, so, So what may happen, so there may not be three different panels where your labs lab preferences are given, right? So each panel will have you know more than one member, right? So let's say two to three members will be there per panel, right? So now that means you know it can, it may so happen that all of your.  
You know, lab preferences preferred labs are, you know, in one panel only.  
In case your lab preferences are distributed across multiple panels, the convenors of your preferred labs. Then in the first you will be sent to the lab of the higher preferences or the panel with the with your higher preference labs right first or second preference labs right and then once you are interviewed there you may be asked to go to the.  
You know other preference labs, preference labs, lab, right?  
So if you know that that depends on, you know the interview panellists as well as your performance as well as your interests. So please make sure if you are you know.  
Truly interested about your the other preference labs. So then you have to inform the, you know, panellist up front if you're that other you know lab preference, the third lab preference or the second lab preference lab is not in the same panel. OK.  
But yeah, initially you'll be sent to the panel where you have labs of your higher preference and most of you will have, you know, at least you know your top two preference is in the same panel. Most of you in case it is not the case, then the panellist will take a call whether it can be sent to another panel after you are done in that panel, OK.

 **Speaker 9** 47:52  
One one more question. If suppose you you don't belong to the circuit branches like computer science or electric, but you have done some project or like something related to the topics mentioned by the lab. Are we allowed to put that as the preference or we will be slightly removed from that?

 **Speaker 1** 48:00  
Mm hmm mm hmm.  
Hmm.  
It depends on individual labs, so it it might be better. Let's say you are putting one some lab as your first preference. You're really interested about it. However, you are not meeting that circuit's Circuital branch criterion, so you should you feel free to write to the you know, faculty web pages have the faculty emails even on the CDs, web pages have the faculty emails, so write to the.  
Concerned faculty, the convener of the lab and, you know, request them if you can be, you know, if they, if they, if they can consider you.  
Because you have some relevant experiences or you know, you are not allowed to apply, so it's already too late for that. But please make sure you immediately write to the consent faculty and check their you know opinion, because sometimes what happens is that for some of these labs you have to also complete, you know, research credits, 12 research credits, right. If you are coming with a master's and if you're a direct PhD then.  
You know, I think it's 24 credits. So, so, so, some of these labs have specific.  
Course requirements that you may have to take right? So, so and and some of these courses may have also you know prerequisites that the students come from. So and so background, right. So that is and and in fact it is important you know to have that background to be able to successfully complete these courses which are you know required by these labs so that is also important right so.  
So please check with the respective labs once you know before you you take your call about your preferences.  
If not in the panel itself, you can also ask about that and you know they can send you to your other preference labs if you know you're not meeting OK.

 **Speaker 9** 50:10  
OK.

 **Speaker 1** 50:14  
Yeah, interview cannot be online. There is a question interview definitely cannot be online. We are really sorry. I mean, we cannot accommodate even if there is valid reason. You know, this is an institute mandate. So we have to have the interviews happening in person physically in the respective departments. So for CDs, interviews cannot happen online. So it has to be in person.  
So one question is there where you know somebody's asking that verita is asking that?  
It is whether it is advisable to pick an interest in an area where we do not have relevant experience but have immense interest in building up a project with the supervisor's guidance. So I believe it's a combination of both. This is my opinion at least for the students who apply to our labs so.  
So you know.  
By experience, you know.  
It did not be that, you know, you you may have worked on the exact areas that the lab may have worked on, but maybe something that that is relevant, it's at least let's say somebody who has worked on machine learning let's say even on let's say time squeeze data or you know NLP topics they can also you know potentially apply for computer vision right so.  
It might be, you know, advantageous to have very relevant backgrounds.  
But you know need not be the case, right? However, if somebody does not have any idea of any of the, you know, prerequisites for doing research in a certain lab, then you know you should, you know, consider that definitely because you are committing five years of your life into in working on onto some problems and that's why we typically set.  
These requirements also right you. You also see there are lab specific interview topics and we said.  
Who can apply what kind of students we are looking for, right? So, so that that is important because that's also important that you have to have some familiarity, right? Some experiences because otherwise, you know, it might be a very steep learning curve for you, right? And as you know, faculty in ISC do research at the highest level. So. So it should be a combination. Of course, you may not have the.  
You may be from, let's say EC stream, right? And you want to work in let's say NLP, right?  
Now you may not have, you know, taken a course in NLP during your receive, but maybe you had done some final year projects or maybe you have at at your in your own interest. You have done some caggle projects or something like that that you showcase. So that's why in the Google form itself we are asking about some of this information. But definitely you know if you feel that you have you have had some experiences, good experiences and.  
You are confident that you can make contributions in this areas then definitely.  
You know you can you can explore and apply for these labs and your advisor is there to guide you. If should you be selected in that lab.

 **Speaker 6** 53:32  
Yeah, maybe I will also add an implement. Yeah, so many students just come because of the fancy name. So, OK, I just want to work in this area, but I don't know anything about that area. Please do not do that kind of a mistake. Yeah. See, unless you have any familiarity, basic concepts of that particular area.

 **Speaker 1** 53:34  
Yes, sure.

 **Speaker 6** 53:53  
Just for the fancy sake, if you are choosing it is not going to fly. OK, so people expect you to do your have some familiarity and you should be having some basic understanding about that area.  
That you wanted to.  
Kind of select right? So it's not that. OK, I want to work in there is area, but I'm I'd have no clue. I have no basics about that area. This is a wrong thing to do. OK? So because they wanted to examine you in that area. OK, right.  
Does it is not that you come here and then learn that particular area and then try to do research that is really hard. OK? As Anirban mentioned, it is no faculty will be accepting that kind of a student. OK, right. So you should be familiar with what you want to do when you are coming here.  
Please let us basically right.

 **Speaker 1** 54:57  
Thanks Professor Babu. Hope that clarifies the question further. So one question is there.  
From Arpan mandal that you haven't gotten your final results, hard copy, what should you do so definitely that can happen.  
But please bring you know your transcripts up to the, you know.  
Semester up to which you have received your results. OK. And whatever you have entered so that you know in the application portal you have entered these results as well, right?  
So that we can verify.  
Any other any other question?

 **Speaker 7** 55:37  
So I need you want to add one more thing.

 **Speaker 1** 55:39  
Yeah. Yeah. Please go ahead.

 **Speaker 7** 55:41  
So there are students who are actually from non ECS backgrounds and who kind of.  
Clean or say that they have some experience in some projects and they would like to choose those labs. You should do that only at your own risk, because if you are more suited for if you're a good student and you have experience and more suited for the other.  
Labs. If you give only the these labs which have CS background requirement as first preferences, you would lose an opportunity to kind of get interviewed for topics or.  
Areas where you might be more, more closely connected with so. So what a wide wise decision would be if you're still really interested in the if you have some experience and background in the areas where the labs work which require serious background and ECS background, you might want to give them as maybe a first preference, that's fine, but don't give all the labs as first preference coming in that category. You might want to kind of give your preferences.  
Accordingly so that you would not lose an opportunity to get interviewed in the other areas where you really have made some.  
But where you can connect with right provided you are kind of having some good skills and you want to kind of showcase things, don't want to lose your chances just because it's a hot area. And I have some minor thing which I've done. So I want to only apply to those labs which have CS background as the preferences. You might want to choose as first preference possibly but also make sure you can choose other labs preferences where you can connect with your background more closely if you are interested in. Yeah that's my suggestion. Yeah.  
So that you can have an equal chance of getting.

 **Speaker 1** 57:24  
Absolutely, this is true.  
This is very, very, very important point actually. Is and.  
And we have observed this in the past, so do not you know, do not even if you are interested about something. As Professor fan you mentioned, please put the labs which you may be more comfortable in in in your more family maybe more familiar with or have more relevant backgrounds for right. Please put them as your preferences as your preference. That's why we're asking for three preferences. Right and it's very important that you do not put all your bets in one basket. OK.  
So please choose wisely. Choose accordingly, right. So even if you choose, you know a lab, let's say from CS specific lab, ECS Circuit specific lab as your first preference, but you do not have the relevant background but still you want to try because you have some maybe some experiences please give you know other lab preferences as well where you might be.  
You know more comfortable, especially if you are in doubt whether you can pursue research in.  
Your first preference labs, OK.  
Any other question?

 **Speaker 8** 58:42  
Yes, Sir. Good morning, Sir.

 **Speaker 1** 58:44  
Yes, yes, please go ahead Sourav.

 **Speaker 8** 58:45  
I said, as I've asked previously, that you know, there are two departments mentioned. So according to that basis, there will be only a like I need to go for the one interview panel or like they will be separate interview.

 **Speaker 1** 58:51  
Hmm.  
No, no, no, no, no. So so.  
So for two departments there you will have to go to the two departments at two different times actually. So if your interview call letter mentions exactly the same slot right for the two different 2, is that the case for your for your call letter.

 **Speaker 8** 59:14  
Yeah.  
Yes, Sir.

 **Speaker 1** 59:20  
OK. So so same date and same time, right? So that that's that should not happen. So this this year we are observing some of such you know conflicts so please immediately write an e-mail to me and CDs office informing this attach your you know applicant that call letter soft copy and I will we will assign you a separate interview slot. OK and you can you can fill that slot in the Google form or at least let us know OK that you are.  
Happy to come at the time for it.

 **Speaker 8** 59:52  
So they have mentioned like the first one is the computational and data sciences. The second one is computer science and automation.

 **Speaker 1** 59:59  
No, at least you if you. If you, you can try with either of the departments. So if you write to us, we will definitely try to accommodate you in another time slot. So please mention which.

 **Speaker 8** 1:00:00  
So.  
So I have previously mailed on the admission dot acad at the rate IC dot A/C dot in, so I need to like write mail to you as.

 **Speaker 1** 1:00:19  
But have they given? Have they written back to you? Have the info written back to you?

 **Speaker 8** 1:00:24  
So I don't think so and not yet mention anything.

 **Speaker 1** 1:00:28  
OK, so please write to me my e-mail address I'm typing here. So for all of your interest. But anyways you are receiving emails from me, Professor Danish and you know.  
CDs, office and so on and so forth, right, so.  
So please e-mail to these e-mail addresses, attach your call letter and mention the issue and your preferred slot where you want to be interviewed. If you prefer to reschedule your CDs request for rescheduling your CDs interview date time OK.

 **Speaker 8** 1:01:09  
Sure, Sir. Thank you so much.

 **Speaker 1** 1:01:09  
And we will, we will, we will accommodate.

 **Speaker 8** 1:01:12  
Thank you, Sir.

 **Speaker 1** 1:01:13  
OK. Thank you.  
Any other question?  
Anything that you would want to clarify and we can provide any feedback on anything before the interviews.  
OK. If there is no other question.  
So Many thanks for all of you.

 **Speaker 7** 1:01:49  
Make up all of the reminder for all of you to fill in the Google form with text.

 **Speaker 1** 1:01:53  
Yeah, yeah, yeah, absolutely. I am also, you know, giving the link to the Google form here, just in case, you know, you haven't filled it out already.  
So and anyways, this link will also be.  
On the you know, CDs research admission page, which I'm again pasting the link here.  
So please go over this admission page if you have already. If you haven't already done so.  
Very thoroughly. OK, especially the different labs. And please indicate all the information, especially your lab preferences, in the Google form, it is mandatory to be filled out. As Professor Fani mentioned, it's mandatory to be filled out and you know tonight is the last date. OK. So please fill it out because the interview starts on Monday. So we need you to fill it out by tonight, OK?

 **Speaker 7** 1:02:50  
And if you do not fill it out and you come to the interview saying that you forgot that will act very negatively on your interview because we see that.  
The immediately form opinion that you are not serious about this right? So so that's kind of don't make this act against you, right. It's it's it is of very, very important thing of what most importance to fill the Google forms out.

 **Speaker 1** 1:03:16  
Absolutely, yeah, this is. This is the most important thing. And we'll put a link on the this research degrees page again immediately after this call. In fact, you know, as we speak, it might actually be up so.  
Yeah. So please fill that out and please bring all the documents necessary, you know, all the qualifying degree certificates, whatever transcripts you have up to this point, even if you do not have the final, let's say mem tech results or or your undergraduate final semester result, but up to that this point whatever you have, please bring everything.  
If you are in doubt whether you bring a certain document or not, please bring it. That's my suggestion.  
Please carry a photo ID for us to verify you are the right person and also try to carry a hard copy of you know your interview call letter, print it out and carry it with you. OK, report early again if you are coming to morning session. Let's say some of you may have may may request us to change your slot because of some genuine conflicts and please you know update that in the Google form.  
And at the same time, what you can do you you on that on that day and time you just come early right so.  
For example, if you're having interview in CSA in the morning and interviewing chcds in the afternoon, please report to CSA in the morning and but when you're getting interviewed, request them if you can be interviewed a little early so that you can, you know, come before time and appear for the CTS interview on time. Right. So for morning interviews and same for the other departments. If you have another departments interview, let's say on a fitting particular day.  
Afternoon and your CDs interviews in the morning, try to report as early as early as possible 8:30 because then if you request us, we can try to accommodate your interview earlier in the day if you have a genuine case a conflict.  
In the afternoon, right. So, so all these things will only work if you come early and we can verify your documents early and assign you to the interview panel as soon as possible. So for morning sessions that will start sharp at 9:00, please report their latest by 8:30 for afternoon session. It will start by two. The interviews please report latest by 1:30. OK.  
Rishon said you have filled only one preference. What should I do?  
So if you want, if you if you just want one lab to be interviewed in, that's fine.  
But if you have, if you if you want to add more labs, you know to your in the preference, you let us know we will take a note of it. I will also check with Professor Danish if we can make the form again available to you, please try to submit one more. See if you can edit your response, OK. If not.  
Write to us if you want to edit in in case you want to add more preferences and so on. If not, you will just be interviewed in one panel as per your only preference labs.  
OK.  
Call letter.  
No. So so this this preference, it's not a preference that I'm asking.  
On the you know on the Google form, we want your, you know, interview date and time as per your call letter in case you have requested the department due to some valid reason that you want your you know interview to be rescheduled on another day between another day and time between 18 to 20.  
Four, our department then, and if we have confirmed that, yes, we we have assigned to that particular preferred date and time.  
Then only you can enter that changed date and time in your Google form. Otherwise you have to enter your you know.  
As per your interview call letter the date and time right?  
So please update your submission accordingly the Google form.

 **Speaker 7** 1:07:43  
Multiple responses allowed from the same candidate.

 **Speaker 1** 1:07:45  
I don't know, so that depends on how the form is made. So.

 **Speaker 7** 1:07:50  
Stuck with Danny.

 **Speaker 1** 1:07:50  
They might be able to edit. I think multiple responses may not be allowed. I haven't seen anything like that, but it might be they might be able to edit the form, but anyways, whatever happens you let us know if you cannot edit, but if you are trying to edit let us know.  
Either we will try to do it from the back end, or we'll try to modify the, you know, form, or at least we'll take a note of your choices, OK.  
As to the best of my knowledge.  
No accommodation is provided during the interviews.  
Yeah. For me or Professor Venkatesh Babu. No, no accommodation. Right? Yes. So no accommodation is provided.

 **Speaker 7** 1:08:32  
No, no accommodations provided. Yeah.

 **Speaker 1** 1:08:45  
Any other question?  
All right. If there is no other question, thanks again. Oh, final CGPA or every semester? No. I think the final CGPA should do in the Google form. OK, so final CGPA for UG. If you have it and you know final CGPA for MEM tech. If you have it. If you are mem tech qualified or you know the up to the current semester right? What if you happen to not have your final semesters?  
OK.  
All right. Any other question?  
OK, if not, thanks a lot. Thanks Professor, Venkatesh Babu and.  
Professor phani.  
Yeah. So Avinash, you have a quick question. Maybe we can take one more question, Avinash.  
You can unmute yourself and ask the question.

 **Speaker 10** 1:09:52  
Yeah. Yeah, yeah, yeah. I said hi, Sarah. Good morning.

 **Speaker 1** 1:09:55  
Yeah, yeah, yeah. Please go. Go ahead, please.

 **Speaker 10** 1:09:57  
So actually I'm just. I'm just want to ask like I have done a research here. It's a partial research I have written published 2.  
Conference paper when we were conference paper for the enhancing signal coverage and performance for the router placement. And second one is the AI based optimise your router placement, the compensation. So that is basically related to AI based.  
Contact.  
Do I had been shoot and badly. I have done the interface from the electricity semiconductor in so now now now. Now I want to. I want to know which area we we should collect the as a moved of the. I have a little bit algorithm exploration. I have used it in the industry level as well.

 **Speaker 1** 1:10:35  
Yeah, yeah, yeah. I got the point. Yeah, I got the point. So what is your query?

 **Speaker 10** 1:10:55  
Most appropriately fast in the Google form I am. I just want to try to edit it later. I have submitted but most appropriately what should be suggesting recommend actually.

 **Speaker 1** 1:11:02  
OK.  
OK.  
My suggestion is to first look think about your interest. So if you have both experiences with AI, you have done projects or worked in it or things like that. In any area involving machine learning and you also have background in let's say signals and systems or any mechanical engineering related areas. So.  
It then it depends so you can select multiple labs right then it depends on your interest, right mostly. So you know you should. That's why I I we have we have been telling you to go through all the labs, the different labs research areas who are accepting students this cycle and see what makes you you know you can you can take a look at their recent works recent papers also you may not understand everything but at least you will get an idea.

 **Speaker 10** 1:11:36  
OK.  
Yeah.

 **Speaker 1** 1:11:59  
What are the things that are required you know to work on similar on similar topics and so on, right? You yourself will be because you have some background, right?  
Then based on that, you can take a call right if some some area interests you, and if you think you have all the relevant experiences.

 **Speaker 10** 1:12:06  
OK.

 **Speaker 1** 1:12:15  
Two, you know, work in that area. Definitely select that. OK, but as Professor Fanihar suggested to you, in case you know you, you are unsure, you also have interest in let's say the other area because let's say suppose you know a non CS lab they they also work in many of such labs work on the intersection of let's say mechanical or materials and.  
Artificial intelligence or biology and machine learning, right? So in those labs also, you may be able to pursue your research interests. So it all depends on your interest and maybe you can choose a mix of such, you know lab preferences which optimally represents your research interest as well as you also have expertise to showcase in or some relevant experiences to showcase in these areas.  
But mostly where you are, if you have experience then the ordering should be based on your interest where you want to contribute.  
And and where you where you are, you know, strongly focused, let's see. OK.

 **Speaker 10** 1:13:21  
OK, Sir, one more thing. I just want to ask it like if I got selected it for the PhD in IC. So during my PhD is there, I say allowed to do the intensive on time but if they hiring there during my PhD for the supporting financial accommodation or financial issues?

 **Speaker 1** 1:13:43  
Iic will give you, so depending on your mode of entry. So IC will give you a stipend and you also know that you can apply for Prime Minister's such fellowship if you are from cfdi you can apply immediately in consultation with your advisor. Once you are in the lab or you can, you know, apply at a later date, right? If you're not from a CFTI institute.  
So, so so it depends. So if there are.  
Visions of getting funded, you know, and I see will anyways provide you a fellowship so.  
In terms of internship, so financial, you know support anyways we will be there as you know you'll be you'll be supported by fellowships or scholarships. And in terms of internship.  
That depends on individual labs and individual faculty conveners for individual labs, so you may want to check with the labs where you are.  
Getting you know you are trying to get into right you are. You are applying for right? You should check with the specific labs and the conveners. What kind of if they have any specific guideline regarding internship summer internships or winter internships in their lab. Some labs may allow depending on certain considerations some lab or at a later stage in your PhD some labs may not allow or some lab labs may be you know ambivalent about it so please.

 **Speaker 10** 1:14:59  
OK.

 **Speaker 1** 1:15:12  
Reach out to the respective conveners of the respective labs where you are interested to apply. For more details OK.

 **Speaker 10** 1:15:19  
OK. Thank you. Thank you so much.

 **Speaker 1** 1:15:29  
So thank you all.  
Thanks a lot for attending. Thanks a lot, Professor Fani and Professor Venkatesh Babu, and we will see you all.  
You know, starting this Monday, whenever your slot is in CDs, if you have a conflict and a valid conflict, and if you have a reason for request to select A reschedule, rescheduling your for rescheduling your interview at CDs, please write to us, but at the same time you can also reach out to the other departments, right?  
And see if they want to reschedule. You know, whatever you know is your first, you know, first interview date, right? Depending on that, you can reach out. So yeah, sure. Reach out to us if you have a valid issue. Valid conflict. We'll try to. We'll definitely try to accommodate you in an alternative day and time. That's not an issue. OK. All right. Thank you all.  
Bye bye.

 **Speaker 6** 1:16:23  
Yeah. Thank you, Sir.

 **Speaker 8** 1:16:24  
Thank you so.

 **Speaker 11** 1:16:25  
Thank you, Sir.

 **Speaker 1** 1:16:26  
Bye bye. See you. Please fill out the Google form if you haven't done so.