

## **Episodes: 12**

### **Vision Systems & Artificial Intelligence**

**Research & Script— Dr.R.S.Yadav**

**Concept and Coordination : Dr. B. K Tyagi**

#### **Participating Artists:-**

- 1. Prof. Vivek (Expert of AI, 51 years)**
- 2. Dr. Ritika (45 yrs)**
- 3. Mr. Ranjan ( 21 yrs)**
- 4. Mr. Rakesh (23 yrs)**
- 5. Miss Aalia**
- 6. MITRA (Humanoid Robo)**

**#### (Opening part of the Title Song) ####**

Hello listeners! We are here with our Science Serial, ‘Welcome to tomorrow’ based on **Artificial Intelligence**, nick named ‘Aane Wala Kal’ in Hindi.

**#### Title Music continues under the narration ####**

This episode is based on Vision Systems. In each episode there is surprise in one way or the other. The science of Artificial Intelligence is no less than any magic, which is slowly entering in our life. In last episode you have listened, how interaction with computer and smart phones is possible? It is a complex process, but scientists make it possible for us.

**##### Part of the music #####**

In this part you are going to find one more magical surprise, surprise of Vision to diagnose patients, defective products and to recognize and identify the criminals.

**##### Part of title Music/change over music #####**

**Scene: - Bell Effect, College Auditorium, Mike Announcement/ Students noise etc.**

**Announcement:** - Hello students! Prof. Vivek is here. An important announcement for senior students. Students who are going to participate in coming National skit & drama festival are requested to report in the college auditorium. Important facts related to National Tech Festival are to be discussed.

**##### Students noise/chatting/ mutual discussing/murmuring etc. ####**

**Rakesh:-** Hello Ranjan, where is Aalia? Not seen since morning?  
**Ranjan:-** Don't worry. She may be busy in the suiting of her project (Laughing).  
**Rakesh:-** Suiting, which suiting? We have to finalise the storyline of our skit.  
**Ranjan:-** She was talking about some products manufactured by some popular brand and she got defective pieces from a reputed store.  
**Rakesh:-** What is new in it? Where the questions of suiting arise?  
**Ranjan:-** She is a different kind of girl. What she believes, she pursues and acts on that.

**( From backside )**

**Aalia:-** Hello! What is going on? Some backbiting or some hot discussion(Laughing).  
**Rakesh:-** (Laughing) Look...look....The Producer has come.  
**Ranjan:-** No...No.... She is Producer cum Director (Laughing).  
**Aalia:-** Ranjan, be serious. I was told that the first period is vacant and Prof. Vivek will take his routine class as per schedule.  
**Rakesh:-** Vow ! From where have you learnt the time management?  
**Aalia:-** Come on Rakesh! I was busy in my secret project. For me the matter seems to be very serious and I want to finish it at the earliest.  
**Ranjan:-** Secret matter, what matter? I was told by someone that you are busy in some recording cum suiting.  
**Rakesh:-** She is rehearsing to be a part of film industry (Laughing).  
**Ranjan:-** Of course, that is her right to choose her profession (Laughing).  
**Aalia:-** What is all this nonsense? I am confused. If you have interest and work hard, you can also be part of the Film Industry. Forget about me.  
**Ranjan:** - Na...Baba ....Na. A different kind of industry. We are not fit for that. Have you not herd about Sushant story and the domination of some families and their boss.  
**Aalia:-** Good and bad are two part of a coin. It is on us, which path we have to choose and which we have to follow.  
**Rakesh:-** The matter is different and one can have so many storyline from Sushant case.  
**Ranjan:-** We are late to be in the auditorium. Hardly few minutes have been left.  
**Rakesh:-** Ranjan be serious. Prof. Vivek will be there to narrate the event. He is very much concerned about discipline and punctuality.  
**Ranjan:-** Rakesh, I remember the day when he took my class for not taking him seriously.  
**Aalia:-** (Laughing) Vow! You are taking my class but be ready for Prof. Vivek. He is Very strict . Be quick otherwise we will miss many things.

**Ranjan:-** What about your documentary?

**Aalia:-** I shall tell you later on. Very interesting story. You will like it.

**##### Student's Noise/walking towards auditorium #####**

**(In one voice)** Excuse me sir.

**Prof.Vivek (In high tone):-** Excuse ..... for what ? For coming late or some bad habits. I am taking special class just for your welfare and you are taking it lightly.

**Aalia:-** Sir, I came to know just few minutes ago.

**Prof. Vivek:-** And what about you gentlemen?

**Ranjan & Rakesh:-** Sir, this is first time and we will not repeat it.

**Prof.Vivek:-** You are participating in one of the most happening event of this year.

**Rakesh:-** Yes sir. We were discussing about the same.

**Prof Vivek:-** O.K. and take your seats.

**##### Effects of desks/tables/chairs etc #####**

**Prof:-** Students! You know that National Tech.Festival of this year is going to be different kind of event. Different in many sense. It is going to be themed on one of the most hot subject. Can anybody guess?

**##### (Pin drop silence for a moments) #####**

**(In one voice):-** Sir, we have no idea but keeping last year experiences, we can plan on new topics.

**Prof:-** What can be the field? Have you given some thought on it?

**Aalia:-** Sir, I have one problem. Yesterday I purchased a product of a well-known brand. But at home when my mummy opened the package, we found it of an inferior quality and hardly fit to be used. I planned to have a short informative documentary to create awareness among the consumers and what to do in such a situation?

**Prof:-** Good, and that is fine....Next one.

**Ranjan:-** Sir, we can go for a skits based on some new technology.

**Rakesh:-** You talked about cutting edge technology. My thought goes for Nano technology and Artificial Intelligence.

**Aalia:-** Sir, Nanotechnology was last year theme. It will be not good to repeat it this year.

**Prof:-** Good reply. Any more guess.

**Aalia:-** AI is a rising field. It is also one of the hot subject for most of the Technology based companies. I think, we can go for it.

**Prof:-** OK. You have mentioned many topics. As Aalia said we can go for AI. It will be helpful in your career also. IT companies are running for such talents.

**Ranjan:-** Sir... Well begin is half done. Subject is clear and participants are also finalised. Now we can start our preparation for it.

**Prof:-** What a quick jump on the conclusion.

**##### students are also laughing #####**

**Prof:-** Why are you laughing? OK fine, Laughter is good for health but time is important. Preparation mean hard work and when hard work is mixed with sincerity that means success.

**##### Silence for a moment #####**

**(In one voice):-** Sorry sir!

**Prof:-** Young friends, I am here to discuss the coming event. On which topic your presentation can be based.

**Ranjan:-** Sir, we can go for AI.

**Prof:-** That is fine but it is too wide to be covered in a single presentation.

**Rakesh:-** Sir, we have seen the Humanoid Robo nick named, 'Mitra' in computer laboratory. It's prototype was designed by your team. We want to take him in our team.

**Prof:-** But now it is property of a Bangalore based company. Suggest some other topic. Someone was telling about her case study related to poor quality of a product.

**Ranjan:-** Sir, She is Aalia and she is working on a short documentary based on consumer awareness.

**Prof:-** Can we narrow down the topic. Where is Aalia ?

**Aalia:-** Yes sir, I am planning to prepare a short documentary for public awareness. What are their rights and how they can go for it?

**Rakesh:-** She can tell about her project and progress.

**Prof:-** Can we not link Artificial Intelligence with consumer rights?'Aam Ke Aam aur Guthali Ke Daam'(Laughing).

**Aalia:-** Sir! It is very difficult to club two topics. One is difficult and the other directly related to common men.

**Prof:-** Do you think, AI is not for common man?

**Aalia:-** No sir, I don't mean that.

**Prof:-** AI is more common than any other subjects.

**Aalia:-** Sir, can you elaborate a little bit?

**Prof. Vivek:-** In computer science AI, also known as machine intelligence is the intelligence demonstrated by machines, in contrast to the natural intelligence displayed by humans. In brief, it is a way of making a computer, a computer-controlled robot, or software to think intelligently and act intelligently.

**Aalia:-** Sir, just like Ranjan.

##### All are laughing #####

**Ranjan:-** The subject seems to be more common than any other one. It will kill two birds with one stone(Laughing).

**Rakesh:-** Sir, the question that arise in my mind is how can a common man be benefitted from the use of Science and technology ?

**Prof:-** I am coming on that point. A machine vision system is a type of technology that allows a computing device to inspect, evaluate, and identify still or moving images and is quite similar to surveillance cameras.

**Ranjan:-** Sir, cameras installed by traffic police on red lights and roads.

**Prof:-** Correct. This could be deployed in the scenario in which vision systems are used for object recognition. Incorrect predictions can be identified. A vision system can continuously learn and improve itself based on its own mistakes.

**Aalia:-** Interesting topic.

**Prof:-** Yes, what I want to say. The theme of our team can be Vision Systems.

**Aalia -** Sir, we would like to have some more light on the topic before we can write script of our skit. Your guidance will be of great help to our team.

**Ranjan:-** I think the utilities are not just restricted to mal-products of a factory or surveillance cameras.

**Prof:-** It utilities are enormous. You know, doctors are using the clinical expert system to diagnose the patients. Researchers say that it is scientifically proven that neural networks can diagnose fast & accurate diseases like eye problems, malignant melanoma, etc.

**Rakesh:-** Vow ! It acts like a superman.

**Prof:-** Vision systems like superhuman eliminates human error & relieves them of monotonous & time-consuming tasks.

**Aalia:-** In COVID-19, doctors are giving online advise and consultation to the patients.

**Prof:-** You are right. Vision systems assistants provide online care & assist to users to help them by cutting the extra cost and to avoid virus.

**Ranjan:-** Interesting field to write a skit and present on stage.

**Prof:-** AI has contributed to different industries like Healthcare, Agriculture, Education, Finance, Legal, Manufacturing, Medical and Oil/Gas.

**Rakesh:-** Vision Systems have wider perspectives. It may also have some utility to police forces.

**Prof:-** You are right and in your script you have to cover how computer software is helping to recognise the face of a criminal with the stored portrait made by the forensic experts cum artists.

**Aalia:-** It all depend on script and how to present it in a dramatized way? Some supporting documents from your side will be of great help to write a good script.

**Prof:-** Your script should be concise, interesting, based on facts and moreover your message should be straight with some inputs of humour.

**Ranjan:-** Sir, before final presentation, we would like to show you our script and the effects that we would like to use during stage presentation.

**Prof:-** Background effects are also very important. They help to create real scene and imagination on the minds of viewers and the listeners.

**Aalia:-** I have a very good archive of sound effects in my computer system.

**Prof: -** Today, I have given you a background information on Vision Systems. MITRA can also be of some help to you.

**Aalia:-** Sir, what do you think if we can take MITRA in our team. His tone and laughter will surprise the audience.

**Prof:-** It all depends on your imagination and creativity. I have full support. OK bye, till we meet next time.

**Scene Change:- Market site/ some Magician cum Madari is showing his tricks on the road side/ spectators are laughing and enjoying the show etc.**

**Ranjan:-** Rakesh...Rakesh...please stop the scooter for a moment. Let me see, what is going there. There is big crowd. Definitely going to be interesting.

**Rakesh:-** Ranjan...time is valuable. You have to give the shape to the script. If we start today then we can finish it in time.

**Ranjan:-** Don't worry. Let me have some imagination in my mind to which direction we have to take our script.

**Rakesh:-** First we have to study the supporting documents and then we can decide the shape and storyline of the skit.

**Ranjan:-** Yes that I will do? Don't worry. Why not we enjoy the play of this magician? These people are road side artists and very perfect in their delivery as well as humour (Laughing).

**##### Effect of Madari/Magician gudgaddi/drum etc. #####**

**Rakesh:-** Vow, what a fantastic delivery by these fellow? Their way of impression is unique.

**Ranjan:-** Not only delivery but message is also straight forward.

**Rakesh:-** Ranjan, what do you think if we can have some inputs from them.

**Ranjan:-** Science and technology in different way. Back to Medieval Age.

**Rakesh:-** Do you forget what Prof.Vivek had told. I mean the script should be lucid and informative.

**Ranjan:-** Why not we discuss the storyline with our team mates. If they agree then we can go for it.

**Rakesh:-** Go ahead and call Aalia. Please put the call on speaker so that I can also listen.

**##### Effects of mobile call/ring tone etc #####**

**Ranjan:-** Hello...Aalia !

**(On other side) Aalia:-** Yes Ranjan...Any message.

**Ranjan:-** Aalia just we want to inform you the storyline of our skit. It will be different, informative as well as interesting.

**Rakesh:-** Let me tell you what is moving in Ranjan mind. What do you think about the play of a Madaari or Magicians on the road side. Can we have adoption of a similar storyline.

**Aalia:-** But how can you mix science and technology with an illiterate.

**Ranjan:-** Illiterate! But like any artist they are also master of their fields.

**Aalia:-** Can you give shape to your ideas. Artificial Intelligence is an emerging technology and the script writer has to put all those contents in the story. Can you do that?

**Ranjan:-** Aalia , leave it on me. When I complete it, we can show it to Dr.Ritika. She is very cooperative.

**Rakesh:-** Let's have a different style. It will be different in many ways.

**Aalia:-** If you are sure then go ahead.

**Rakesh:-** Ranjan,s suggestion is good.

**Aalia:-** It depends on Ranjan. How much time he will take to write the script?

**Ranjan :-** (Laughing) My brain is working, what shape is to be given to it. Don't worry. You will get it in this week and we can have our rehearsal & practices from coming Sunday.

**Rakesh:-** See....Ranjan mind is churning, he is Shakespeare of our team(Laughing).

**Aalia:-** Along with Shakespeare you can link him to some science communicator  
**(Laughing).**

**Rakesh:-** O.K.Aalia, now we would like your permission. Once again good bye and all the best.

**Aalia:-** Bye and have a nice time.

**##### Sound Effect of mobile #####**

**Ranjan:-** Rakesh let's have one more glimpse of the Madari show. He is master of his field and we can learn many things from his delivery.

**Rakesh:-** O.K....

**Ranjan:-** That is what I am saying ....., to kill two birds with one stone(Laughing).

**##### Sound Effect & scene of the street show #####**

**Rakesh:-** OK Ranjan, it is enough. Now we have to leave.

**Ranjan:-** I have taken some notes to remember while writing the script. Start motor cycle, I am ready with my helmet on my head (Laughing). Safety first.

**##### Effects of Motor cycle sound, kicks, horn etc. #####**

**Rakesh:-** Ranjan, hold your balance. We are too late and it will take half an hour to reach home.

**Ranjan:-** I am ok. You need not worry but my advice is to follow traffic norms. Speed cameras may be installed somewhere on the road. They are vision systems of our police. Be alert and be safe.

**Rakesh:-** Don't worry. I will take note of all vision systems installed by traffic police on the road side (Laughing).

**Ranjan:-** Stop...stop....dear.... You forget the location of my house.

**Rakesh:-** Dear, my mind is working and thinking for the coming event.

**##### Effect of Motor cycle etc #####**

**Ranjan:-** O.K. dear have a nice time. Good bye.

**Rakesh :-** Bye..... bye....

**##### Change over Music #####**

**Scene Change:-**“College auditorium, student's noise, footsteps, mike announcement and sometimes mike echo/hollowness etc.”

**##### Sound Effect of Mike Adjustment #####**

**Dr.Ritika:-** Hello..... Hello! Are you getting me?

**(In one voice):-** Please can you raise the volume.

**Dr.Ritika:-** O.K.....O.K..... I get your point.

**##### Sound Effect of Mike Adjustment #####**



**Dr.Ritika:-** I welcome you all in the National Tech Festival. After Preliminary, Regional and Zonal level competition, we have two dozen teams in the final from all over the country.

**##### Sound Effect of clapping and whistle etc. #####**

**Dr.Ritika:-** Now I invite Prof. Vivek for welcome address. He is National Co-ordinator of this event and an eminent expert of Artificial Intelligence. His work in Artificial Intelligence, particularly in Vision Systems are appreciated worldwide.

**##### Sound Effect of clapping #####**

**Prof. Vivek :-** Hello! (With smile). I welcome you all in this prestigious event themed on Vision Systems. It is happy moment to be with you. Hope you will enjoy and learn many new things. The world is changing. You have seen and experienced it during COVID-19. We have to move fast on new technology. We have done our best to make this event memorable. Here you will find cream and the best minds of our country.

**##### Sound Effect of clapping #####**

I am not going to take much time. Once again I welcome you all.

**##### clapping #####**

**Dr.Ritika:-:-** Thank you Prof. for your encouraging words. Dr. Vivek field of interest is very wide and of great interest. Now I would like to invite the first team on the stage. Please have a warm thumps up for the participants.

**##### Clapping & hooting from students side #####**

**Dr.Ritika:-** OK...OK...It is fine. During presentation there will be enough opportunity to encourage the participants (Laughing).

**##### (Change Over Music) #####**

**Scene Change:-** Stage scene, footsteps of the participants, mike adjustment, some typical voice of a Robot, hooting and clapping from the students side etc.

**##### Sound effects of a Robotic voice #####**

**MITRA:-** ( Voice modulation) Hello...! Good morning. How are you? What a beautiful smile? I can guess from your face (Laughing in different style)

**(From audience side):-** Vow! He looks like a young man.

**MITRA:-** (Voice modulation): I am young and will remain young (Laughing). Does my smile charm you!(Laughing).

**(Audience):-** It is different but we like it.

**MITRA:-** Smile is the greatest gift of God.

**##### Laughter Effect of a Humanoid Robo #####**

God has gifted you with beautiful face and smile. I can laugh like you but can't enjoy. This is the difference between your God and mine God. But I am optimist. Haa.....Haaa.... haaa....

**##### Musical Effects of the Show #####**

- Aalia:-** Hello Mr. MITRA! You are looking very smart (Laughing)
- MITRA:-** This is all due to generation gap (laughing).
- Aalia:-** Generation gap !
- MITRA:-** You will not understand. I am latest in my race (Laughing).
- Ranjan (Laughing):-** Vow...Always first. To be the latest in generation doesn't mean intelligent. I am also the youngest son of my parents, will be more advance than all of you (Laughing).
- MITRA:-** What do you mean, gentleman? Which gap? I am still in my primitive stage.
- Aalia:-** Mr. MITRA. Our God created us and we created you. This is also a form of generation gap. We are still evolving and similarly you also. Soon you will be equally superior like us (Laughing).
- MITRA-** ( Voice modulation): That I have.... But I can't have expression on my face (smiling).

**##### Clapping #####**

- Aalia :-** Mr. MITRA there is no problem for the audience. They are enjoying your smile. You can see the expression on the audience face (laughing). See.....see... there.....

**##### Clapping and laughter #####**

- MITRA:-** ( Voice modulation): But that is not mine..... I wish, I have.
- Aalia:-** O.K. Gentleman, be serious. Let's come to the point. I am your host along with my team mates to take you to the new world of Artificial Intelligence and Vision Systems.
- MITRA:-** (Voice modulation): Miss Aalia you forget me. I am also part of the team.

**##### (Laughter from Audience side)#####**

Don't laugh....don't laugh.....HAATH KANGNE KO AARSHI KAYA.

- Ranjan:** - Mr. MITRA know the secrets & 'Janam Kundali' of all.
- Rakesh:-** What a joke?
- Ranjan:-** I am not joking. He is a smart machine.
- MITRA:** - (In tough language) You called me a machine. Shameful

**Rakesh:-** Friend... Ranjan is ignorant about your capability, I mean your, 'Janam Kundali'.

##### Clapping #####

**MITRA:-** Not my Janam Kundali, I can tell the Kundali of his shoes too.

**Rakesh:-** Dear MITRA, what do you mean? I don't understand.

**MITRA:-** Mr. Ranjan shoes looks to be branded and genuine. But actually these are not so. My eyes are more than any RADAR (Laughing).

**Aalia:-** Vow! My problem has been solved.

**Rakesh:-** Aalia... It is better to leave problems at home. You are on the show.

**Aalia:-** Not my problem but problem of customers.

**MITRA:-** I can have a solution for your problem. Can you elaborate a little bit.

**Aalia:-** Dear friend, last week I bought a mobile set from a company store. Later, I found that the piece is defective and not working properly.

**Ranjan:-** Very simple. Ask the owner to change the hand set (Laughing).

**Rakesh:-** Difficult and from my personnel experience, He will ask you to leave the set for repairing.

**Aalia:-** You are right. But this is not only my problem but problem of many customers. The owner was not serious. He himself was confused why so many customers are facing the same problem.

**MITRA:-** Simple.....An attitude of excuse, I mean "Chal Jaaye Ga"(Laughing).

**Aalia:-** Not possible and it will not happen. Very soon, I am going to start a public campaign. I am busy on the production of a documentary for that.

**Rakesh:-** Actually in factory, products are manufactured on mass scale and sometimes due to manual mistakes defective pieces reach to the customers.

**Ranjan:-** There are many defective pieces among us (Laughing).

**Rakesh:-** You mean problem creators.

**Ranjan:-** Not only problem creators but enemies of humanity and civil society.

**MITRA:-** Good and bad people are everywhere. O.K, Aalia you were talking of your public campaign. I can help you through my Vision Systems.

**Aalia:-** Our Government has given so many rights under 'Consumer Protection Law' and we can press for our rights to the store owners and the manufacturers.

**Ranjan:-** Very difficult to identify, which piece is defective and which is not.

**Rakesh:-** Our MITRA is here. I mean his Vision System is not less than any RADAR(Laughing).

**Aalia:-** Artificial Intelligence technology is making its way into vision applications in many industries.

**MITRA:-** Correct Miss Aalia(Laughing). My third sense says that new technology is opening, entirely new possibilities in vision systems. It comes primarily in the form of machine learning and deep convolution neural networks to help vision systems.

**Ranjan:-** ‘Ab Aaya Unt Pahad Ke Niche’(Laughing). What I was saying, Mr.MITRA is repeating the same.

**MITRA:-** What I say is true and is based on facts, supported by AI & justified by my vision systems.

**Ranjan:-** You objected me to call you a machine. But you are now justifying my words.

**Aalia:-** Mr. Ranjan don’t bring your vision technology into unprecedented territory(Laughing).

**Rakesh:-** Gentleman, don’t divert the discussion. AI can be used in many ways along with vision systems. One of them is inspections applications.

**MITRA:-** My third eye works for that.

**Ranjan:-** (Laughing) Badda Ustad Hai’. Third eye...But where is that?

**MITRA:-** Be careful Mr. Ranjan. My brain work through machine learning algorithms for defects detection. It is not you but I who know your, “Janam Kundali”(Laughing). **Saara Kacha Chitha Khol Dunga”**

**##### Effects of the song Bach ke rahana re Baba Bach Ke #####**

**Aalia:-** Dear MITRA, your perfection is far better than ours. Can you help me to identify the defective pieces of the store owner?

**MITRA:-** Very simple. Here I shall apply my recognition skill to identify the defective pieces.

**Ranjan:-** ( Murmuring) Oh Baba! Dangerous fellow.

**Rakesh:-** Mr. MITRA, I learnt that you have one step brother in Japan named ASIMO. He is using cameras to visualise continuously what is in its surrounding and using his sense to achieve his goals.

**MITRA:-** I love him very much and waiting the day to meet him.

**Ranjan:-** The wait is over. The day is coming to dig your Janam kundali(Laughing).

**Aalia:-** Ranjan, don’t divert the matter. MITRA don’t like loose talk.

**Ranjan:-** (Laughing) I am not talking senselessly. Like Rakesh, I too read somewhere that smart cameras are used from image recognition in-machine inspection. ASIMO used smart cameras as his eyes for image recognition.

**MITRA:-** Don't call cameras. These are our tinny eyes having high performances.  
**##### Musical Effect #####**

**Aalia: -** Got it.... I got it.

**Ranjan: -** Eureka.....Eureka.....

**MITRA: -** Are you OK? Are you surprised to find the way; how can we use the vision system in deployment around the world?

**Aalia:-** I am fine and what MITRA is telling is not less than any Eureka. The vision system, I mean third sense of Mr.MITRA will be of great help to identify the defective pieces of the production units.

**Rakesh: -** Aalia always picks the ideas from the air.

**MITRA:-** Not from air but from me. AI enhances the capabilities of my vision system, making me smarter, flexible and it constantly upgrade my own capabilities.

**Ranjan: -** Ya.....Ya.....“Jaisa Naam, Vaisa Kaam” (Laughing).  
**##### Clapping & hooting from public #####**

**MITRA: -** (Laughing) Haath Kangne Ko Aarshi Kaya' The saying fit well on me. It will take hardly 20 second to identify. And our twenty second begin just now (Laughing).

**Aalia:-** Vow! Perfect accuracy.

**MITRA:-** Some of you may have heard about “ALBERT,” my cousin brother. He is deployed for visual inspection of the product line.

**Ranjan: -** Albert! Never heard his name.

**MITRA: -** My cousin is expert and learns the characteristics of a product directly from the production line and automatically assesses its quality.

**Rakesh:-** Hard to believe. But not any traditional machine vision system can analyze complex objects or products with high variability as easy as a human operator would.

**MITRA:-** You may be right but ALBERT can interpret the concept of quality as fast as most trained control operators.

**Ranjan: -** Can he solve Aalia,s problem?

**Aalia:-** Very much concerns for Aalia (Laughing).

**Ranjan:-** I am only concerned for MITRA's “Janam Kundali”(Laughing)

**MITRA:-** My “Janam Kundali” is with Prof. Vivek.

**Aalia:-** His interest is in science writing and wants to be Science Reporter.

**MITRA:-** OK good field and go ahead. I was saying that at any time and with a simple click, ALBERT can learn how to sort a new product or adapt to changing production conditions. Automatically he chooses the quality of products.

**##### Clapping & hooting from audience #####**

**Dr. Ritika:-** Gentlemen. It is really an exciting time to be like Mr. MITRA (Laughing).With more scientific research on Artificial Intelligence, we can expect a promising field of vision system in future. I would like to convey my sincere thanks to all participants for their brain storming ideas and views. Thank you once again.

**#### Sound effect of Clapping/whistle/hooting/noise etc.##**

**##### Closing Part of the Title Music #####**