



Final Exam - EE920 - Wireless Communication

Venkateswar Reddy Melachervu | 25 Mar 2023



IIT KANPUR
Indian Institute of Technology Kanpur

Finish State: Normal | Test Taken on: March 25, 2023 12:39:45 PM IST



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Credibility Index: **LOW** ⓘ

Profile Picture Snapshot



Identity Card Snapshot



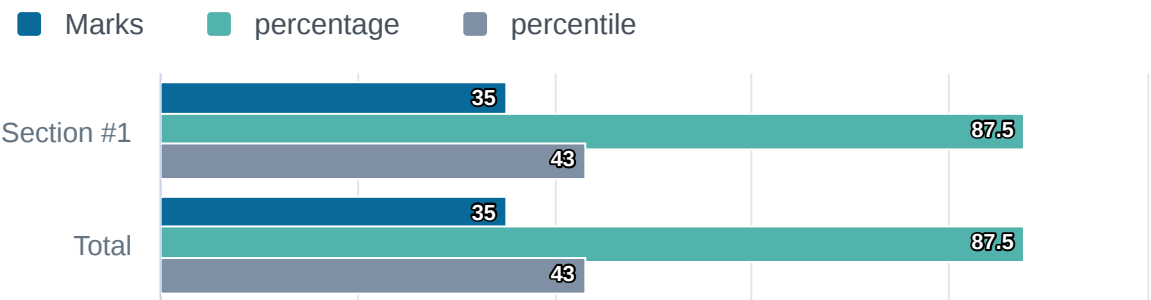
Overall Summary

35 Marks Scored
out of 40

87.5 % 43.48 percentile
out of 23 Test Takers

2h 36m 53s Time taken
of 3hr

Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 40 question(s).



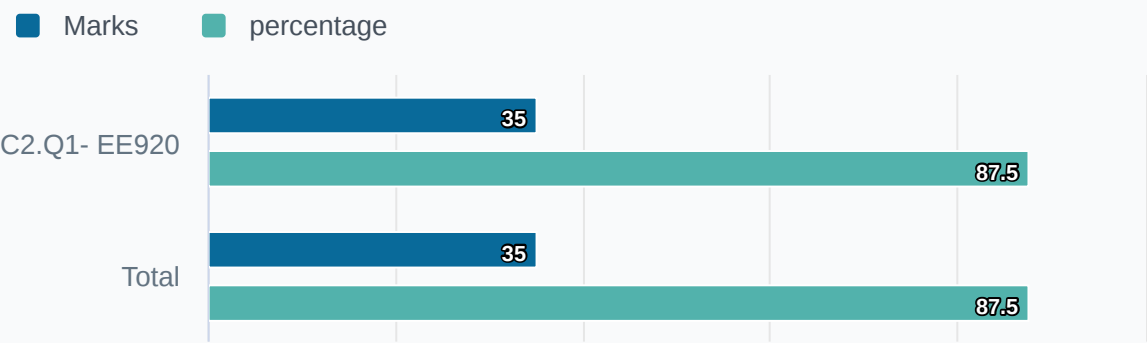
This shows the correctness of questions attempted by the test taker

Correct	35 Ques	35/35 Marks
Incorrect	5 Ques	0/5 Marks
Partially Correct	0 Ques	0/0 Marks
Not Attempted	0 Ques	0/0 Marks

Section-Wise Details

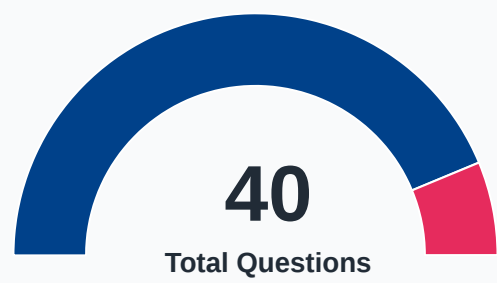
Section 1	question(s)	Time taken	Marks Scored
Section #1	40 Q.	2h 36m 53s (Untimed)	35 / 40

Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 40 question(s).



Correct	35 Ques	35/35 Marks
Incorrect	5 Ques	0/5 Marks

This shows the correctness of questions attempted by the test taker

Q.

1

▼ Question 1

🕒 Time taken: 1m 25s

The PSD $S_{xx}(f)$ of white noise is

Response:

OPTIONS	RESPONSE	ANSWER
$\frac{N_0}{2} \delta(\tau)$		
$\frac{1}{\sqrt{2\pi\sigma^2}} e^{-\frac{(n-\mu)^2}{2\sigma^2}}$		
$\frac{1}{\sqrt{2\pi\sigma^2}} e^{-\frac{n^2}{2\sigma^2}}$		
$\frac{N_0}{2}$	✔	✔

Q.

2

▼ Question 2

🕒 Time taken: 26s

The bit error rate (BER) for QPSK is approximately

Response:

OPTIONS	RESPONSE	ANSWER
Equal to SER		
Twice the SER		
Half the SER	✔	✔
Has no relation to SER		

What is the approximate probability of deep fade $\square \square$ in the Rayleigh fading wireless channel?

Response:

OPTIONS	RESPONSE	ANSWER
SNR		
$\frac{1}{SNR}$	✔	✔
e^{-SNR}		
$\frac{1}{SNR^2}$		

BER of **multiple antenna system** is given as

Response:

OPTIONS	RESPONSE	ANSWER
${}^{2L}C_L \times \frac{1}{2^L} \times \frac{1}{SNR^L}$		
${}^{2L-1}C_{L-1} \times \frac{1}{2^L} \times \frac{1}{SNR^L}$	✔	✔
${}^{2L-1}C_{L-1} \times \frac{1}{SNR^L}$		
${}^{2L-1}C_L \times \frac{1}{2^{2L}} \times \frac{1}{SNR^{2L}}$		

Inverse of a matrix exists for

Response:

OPTIONS	RESPONSE	ANSWER
Any matrix		
Any square matrix		
Only Non-singular square matrices	✔	✔
Any positive semi-definite matrix		

The matrices U, V in the SVD are

Response:

OPTIONS	RESPONSE	ANSWER
Positive Semi-Definite		
Positive Definite		
Unitary	✔	✔
Symmetric		

As the bandwidth of the wireless channel increases, symbol duration decreases. This leads to

Response:

OPTIONS	RESPONSE	ANSWER
Inter symbol interference	✔	✔
Fading		
Near far user problem		
Beamforming		

In OFDM, _____ and _____ are performed at the transmitter and receiver, respectively

Response:

OPTIONS	RESPONSE	ANSWER
FFT, FFT		
IFFT, FFT	✔	✔
FFT, IFFT		
IFFT, IFFT		

SNR required to achieve a given BER for BPSK modulation in the wireline system is given as

Response:

OPTIONS	RESPONSE	ANSWER
$\square^{-1}(\square\square\square)$		
$\square^{-\square\square\square}$		
$(\square^{-1}(\square\square\square))^2$	✔	✔
$\frac{1}{2} \times \frac{1}{BER}$		

The value of $\square(1)$ is

Response:

OPTIONS	RESPONSE	ANSWER
$\int_1^\infty \frac{1}{\sqrt{2\pi}} e^{-\frac{t^2}{2}} dt$	✔	✔
$\int_1^\alpha \frac{1}{\sqrt{2\pi}} e^{-1} dt$		
$\int_\infty^1 \frac{1}{\sqrt{2\pi}} e^{-\frac{t^2}{2}} dt$		
$\int_{-1}^1 \frac{1}{\sqrt{2\pi}} e^{-\frac{t^2}{2}} dt$		

The channel magnitude $a = |\square|$ follows the PDF given as

Response:

OPTIONS	RESPONSE	ANSWER
$2ae^{-a^2}, a \geq 0$	✔	✔
$2ae^{-a^2}, -\infty < a < \infty$		
$ae^{-2a^2}, a \geq 0$		
$2ae^{-2a^2}, -\infty < a < \infty$		

SER for 256-QAM is

Response:

OPTIONS	RESPONSE	ANSWER
$\frac{7}{2}Q\left(\sqrt{\frac{P}{21N_0}}\right)$		
$\frac{7}{2}Q\left(\sqrt{\frac{2P}{1365N_0}}\right)$		
$\frac{7}{2}Q\left(\sqrt{\frac{P}{85N_0}}\right)$		
$\frac{15}{4}Q\left(\sqrt{\frac{P}{85N_0}}\right)$	✔	✔

Consider channel coefficient α and $\beta=|\alpha|$ and $\beta\alpha\alpha=40$ dB. Condition for deep fade in the wireless channel is

Response:

OPTIONS	RESPONSE	ANSWER
<input type="checkbox"/> $\alpha < 0.01$	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> $\alpha^2 < 0.1$	<input type="radio"/>	<input type="checkbox"/>
<input type="checkbox"/> $\alpha^2 < 0.15$	<input type="radio"/>	<input type="checkbox"/>
<input type="checkbox"/> $\alpha < 0.0001$	<input type="radio"/>	<input type="checkbox"/>

To prevent disruption in communication due to a single link in a deep fade one should implement

Response:

OPTIONS	RESPONSE	ANSWER
Non-linear receiver	<input type="radio"/>	<input type="checkbox"/>
Low carrier frequency	<input type="radio"/>	<input type="checkbox"/>
Analog modulation	<input type="radio"/>	<input type="checkbox"/>
Multiple links	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>

The SNR at the output of the MRC beamformer is given as

Response:

OPTIONS	RESPONSE	ANSWER
$\ \bar{\mathbf{h}}\ \frac{P}{N_0}$		
$\ \bar{\mathbf{h}}\ ^2 \frac{P}{N_0}$	✔	✔
$\bar{\mathbf{h}}^2 \frac{P}{N_0}$		
$\frac{P}{N_0} \sqrt{\ \bar{\mathbf{h}}\ }$		

Consider the channel vector

$$\bar{\mathbf{h}} = \begin{bmatrix} -\sqrt{\frac{1}{2}} - \sqrt{\frac{1}{2}}j \\ -\sqrt{\frac{1}{2}} + \sqrt{\frac{1}{2}}j \end{bmatrix}$$

The MRC beamformer is

Response:

OPTIONS	RESPONSE	ANSWER
$\begin{bmatrix} -\frac{1}{2} + \frac{1}{2}j \\ -\frac{1}{2} - \frac{1}{2}j \end{bmatrix}$		
$\begin{bmatrix} -\frac{1}{2} - \frac{1}{2}j \\ -\frac{1}{2} + \frac{1}{2}j \end{bmatrix}$	✔	✔
$\begin{bmatrix} -1 - j \\ -1 + j \end{bmatrix}$		
$\begin{bmatrix} -\sqrt{\frac{1}{2}} - \sqrt{\frac{1}{2}}j \\ -\sqrt{\frac{1}{2}} + \sqrt{\frac{1}{2}}j \end{bmatrix}$		

MIMO Technology is used in

Response:

OPTIONS	RESPONSE	ANSWER
All of these	✔	✔
Only 4G LTE		
Only 5G NR		
Only 802.11 ax		

Consider the output vector $\bar{\mathbf{y}}$ and MIMO channel \mathbf{H} given below $\bar{\mathbf{y}} = \begin{bmatrix} 2 \\ -3 \\ -2 \\ 1 \end{bmatrix}, \mathbf{H} = \begin{bmatrix} 1 & 4 \\ 1 & 3 \\ 1 & 1 \\ 1 & 2 \end{bmatrix}$

The zero-forcing (ZF) estimate is given as

Response:

OPTIONS	RESPONSE	ANSWER
$\frac{1}{10} \begin{bmatrix} -25 \\ 8 \end{bmatrix}$	✔	✔
$\frac{1}{10} \begin{bmatrix} 35 \\ -16 \end{bmatrix}$		
$\frac{1}{10} \begin{bmatrix} -15 \\ 16 \end{bmatrix}$		
$\frac{1}{10} \begin{bmatrix} 25 \\ 12 \end{bmatrix}$		

The maximum rate of transmission for the i th MIMO mode is given as

Response:

OPTIONS	RESPONSE	ANSWER
$\log_2 \left(1 + \frac{P_i}{\sigma_i^2 N_0} \right)$		
$\log_2 \left(1 + \sigma_i^2 \times \frac{P_i}{N_0} \right)$	✔	✔
$\log_2 \left(1 + \frac{P_i}{N_0} \right)$		
$\log_2 \left(1 + \frac{P_i}{\sigma_i N_0} \right)$		

The matrix **U** contains **eigenvectors** of

Response:

OPTIONS	RESPONSE	ANSWER
$H^H H$		
$H^H H^H$		
$H H^H$	✔	✔
$H H$		

Let the vector transmitted in the first time instant in the Alamouti code be given as

$$\begin{bmatrix} 1 - 2j \\ -3 + j \end{bmatrix}$$

The vector transmitted in the second time instant is given as

Response:

OPTIONS	RESPONSE	ANSWER
$\begin{bmatrix} 3 + j \\ 1 - 2j \end{bmatrix}$		
$\begin{bmatrix} -3 - j \\ 1 + 2j \end{bmatrix}$		
$\begin{bmatrix} 3 + j \\ 1 + 2j \end{bmatrix}$	✔	✔
$\begin{bmatrix} -3 - j \\ -1 - 2j \end{bmatrix}$		

The coefficient $\frac{1}{f_0}$ can be extracted from the multi-carrier modulated signal as

Response:

OPTIONS	RESPONSE	ANSWER
$f_0 \int_{-\frac{1}{f_0}}^{\frac{1}{f_0}} y(t) e^{-j2\pi l f_0 t} dt$		
$\int_{-\frac{1}{2f_0}}^{\frac{1}{2f_0}} y(t) e^{-j2\pi l f_0 t} dt$	✔	
$f_0 \int_{-\frac{1}{2f_0}}^{\frac{1}{2f_0}} y(t) e^{-j2\pi l f_0 t} dt$		✔
$f_0 \int_{-\frac{1}{2f_0}}^{\frac{1}{2f_0}} x(t) e^{j2\pi l f_0 t} dt$		

Consider an OFDM system with number of subcarriers $N = 512$ over a bandwidth 10 MHz with 25% CP. The duration of the OFDM symbol, after the addition of the CP, is

Response:

OPTIONS	RESPONSE	ANSWER
25.6 μ s		
72.2 μ s		
16.8 μ s		
64.0 μ s	✔	✔

Typical coherence bandwidth of the channel is approximately

Response:

OPTIONS	RESPONSE	ANSWER
20 – 30 <input type="checkbox"/> <input type="checkbox"/>		
200 – 300 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
200 – 300 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	✔	✔
20 – 30 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

The Gaussian PDF with mean 2 and variance 2 is

Response:

OPTIONS	RESPONSE	ANSWER
$\frac{1}{\sqrt{4\pi}}e^{-\frac{(n-2)^2}{4}}$	✔	✔
$\frac{1}{\sqrt{32\pi}}e^{-\frac{(n-4)^2}{32}}$		
$\frac{1}{\sqrt{8\pi}}e^{-\frac{(n-4)^2}{4}}$		
$\frac{1}{\sqrt{8\pi}}e^{-\frac{(n-4)^2}{8}}$		

Consider $P = 15\text{ dB}$ and $\frac{N_0}{2} = 6\text{ dB}$. SNR for BPSK modulation is approximately

Response:

OPTIONS	RESPONSE	ANSWER
3 dB		
6 dB		
9 dB	✔	✔
12 dB		

The SER of QPSK for $\gamma_{b} = 12\text{ dB}$ is given as

Response:

OPTIONS	RESPONSE	ANSWER
$\frac{1}{4}$ (4)		
2^{-1} (4)	✔	✔
$2^{-1}(\sqrt{12})$		
$2^{-1}(16)$		

In 256 –QAM the number of bits per in-phase symbol is

Response:

OPTIONS	RESPONSE	ANSWER
8		
16		
256		
4	✔	✔

Overall SER of 64 –QAM in a Rayleigh fading wireless channel for $\square\square\square = 147 \times 10^5$ is

Response:

OPTIONS	RESPONSE	ANSWER
10^{-5}		
5×10^{-7}		
2.5×10^{-3}		
2.5×10^{-6}	✔	✔

What is the probability of deep fade ϵ_{df} in the Rayleigh fading wireless channel for $\epsilon_{th} = 40$ dB?

Response:

OPTIONS	RESPONSE	ANSWER
$1 - \epsilon^{-0.0001}$	✔	✔
$1 - \epsilon^{0.0001}$		
$1 - \epsilon^{-40}$		
$1 - \epsilon^{-0.01}$		

Consider the **channel vector**

$$\bar{\mathbf{h}} = \begin{bmatrix} -\sqrt{2} - \sqrt{2}j \\ -\sqrt{2} + \sqrt{2}j \end{bmatrix}$$

If SNR = 9 dB, what is approximate output SNR?

Response:

OPTIONS	RESPONSE	ANSWER
12 dB		
15 dB		
18 dB	✔	✔
21 dB		

BER for a SIMO system with $M = 2$ antennas for $MNR = 27$ dB is given as

Response:

OPTIONS	RESPONSE	ANSWER
3×10^{-6}		✔
2×10^{-4}		
7.5×10^{-8}	✔	
8×10^{-9}		

At $MNR = 6$ dB, the minimum antenna spacing required is

Response:

OPTIONS	RESPONSE	ANSWER
0.75 dB		
2.5 dB	✔	✔
5 dB		
1.5 dB		

Consider the output vector $\bar{\mathbf{y}}$ and MIMO channel \mathbf{H} given below and $SNR = -12\text{ dB}$.

$$\bar{\mathbf{y}} = \begin{bmatrix} 2 \\ -3 \\ -1 \\ 2 \end{bmatrix}, \mathbf{H} = \begin{bmatrix} -1 & 1 \\ 1 & 1 \\ -1 & -1 \\ 1 & -1 \end{bmatrix}$$

The LMMSE estimate is given as

Response:

OPTIONS	RESPONSE	ANSWER
$\frac{1}{10} \begin{bmatrix} -6 \\ 3 \end{bmatrix}$		
$-\frac{1}{10} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	✔	✔
$-\frac{1}{20} \begin{bmatrix} 3 \\ -5 \end{bmatrix}$		
$\begin{bmatrix} -\frac{2}{3} \\ -\frac{1}{3} \end{bmatrix}$		

Consider the decomposition below

$$\begin{bmatrix} \frac{1}{2} & \frac{1}{2} & -\frac{1}{2} & -\frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & -\frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & -\frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{bmatrix} \begin{bmatrix} -3 & 0 \\ 0 & -6 \\ 0 & 0 \\ 0 & 0 \end{bmatrix} \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$$

At the transmitter, we multiply the signal with

Response:

OPTIONS	RESPONSE	ANSWER
$\begin{bmatrix} \frac{1}{2} & -\frac{1}{2} & -\frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} & -\frac{1}{2} & \frac{1}{2} \end{bmatrix}$	✔	
$\begin{bmatrix} \frac{1}{2} & \frac{1}{2} & -\frac{1}{2} & -\frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} & -\frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & -\frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{bmatrix}$		
$\begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$		✔
$\begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$		

Consider the MIMO channel with SVD below

$$\begin{bmatrix} \frac{1}{2} & \frac{1}{2} & -\frac{1}{2} & -\frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} & -\frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & -\frac{1}{2} \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 \\ 0 & \frac{1}{2\sqrt{2}} & 0 \\ 0 & 0 & \frac{1}{4} \\ 0 & 0 & 0 \end{bmatrix} \begin{bmatrix} 0 & 1 & 0 \\ 0 & 0 & 1 \\ 1 & 0 & 0 \end{bmatrix}$$

Let the total power $P_T = 12dB$ and noise power $N_0 = 0\ dB$.

Response:

OPTIONS	RESPONSE	ANSWER
$P_1 = \frac{23}{2}, P_2 = \frac{9}{2}, P_3 = 0$		✔
$P_1 = \frac{19}{2}, P_2 = \frac{13}{2}, P_3 = 0$		
$P_1 = 16, P_2 = 0, P_3 = 0$	✔	
$P_1 = \frac{22}{3}, P_2 = \frac{16}{3}, P_3 = \frac{10}{3}$		

Consider the channel coefficients $\square_1 = -1 - 2j$, $\square_2 = 2 - j$. The Alamouti matrix is given as

Response:

OPTIONS	RESPONSE	ANSWER
$\begin{bmatrix} -1-2j & 2-j \\ 2-j & 1-2j \end{bmatrix}$		
$\begin{bmatrix} -1-2j & 2-j \\ 2+j & 1+2j \end{bmatrix}$		
$\begin{bmatrix} -1-2j & 2-j \\ 2+j & 1-2j \end{bmatrix}$	✔	✔
$\begin{bmatrix} -1-2j & 2-j \\ 2-j & 1+2j \end{bmatrix}$		

Consider bandwidth $B = 20$ kHz and number of subcarriers $N = 500$. The sampling rate of the OFDM system is

Response:

OPTIONS	RESPONSE	ANSWER
30 kHz		
40 kHz		
40 kHz	✔	
20 kHz		✔

Consider an $N = 4$ subcarrier OFDM system with symbols loaded on subcarriers given as $X_0 = -2$, $X_1 = 2j$, $X_2 = 2$, $X_3 = 2j$. The time-domain sample $x(3)$ is given as

Response:

OPTIONS	RESPONSE	ANSWER
$-(1 + j)$		
0		
$1 - j$		
-1	✔	✔


































Consider a vehicle moving a 36 km per hour at an angle of $\theta = 60^\circ$. The carrier frequency is $f_c = 3.0$ GHz. Compute the coherence time of the channel

Response:

OPTIONS	RESPONSE	ANSWER
2.5 ms		
5 ms	✔	✔
10 ms		
1.5 ms		

Test Log

25th Mar 2023

10:02 AM		Started the test with Section #1
10:02 AM		Candidate gave us right to the following feeds - camera : HP TrueVision FHD RGB-IR (064e:3401) - microphone : Default - Headset (Push Active Hands-Free AG Audio) (Bluetooth)
10:03 AM		Additional person there
10:03 AM		Candidate Looking Away from Screen
10:04 AM		Candidate Looking Away from Screen
10:06 AM		Candidate Looking Away from Screen
10:08 AM		Candidate Looking Away from Screen
10:09 AM		Additional person there
10:09 AM		Candidate Looking Away from Screen for 01 min
10:11 AM		Candidate Looking Away from Screen
10:12 AM		Candidate Looking Away from Screen
10:13 AM		Candidate Looking Away from Screen
10:15 AM		Candidate Looking Away from Screen for 01 min
10:17 AM		Away from test window
10:18 AM		Candidate Looking Away from Screen for 04 mins
10:22 AM		Candidate Looking Away from Screen
10:24 AM		Candidate Looking Away from Screen
10:24 AM		Candidate Looking Away from Screen
10:25 AM		Candidate Face not Visible
10:28 AM		Candidate Looking Away from Screen for 01 min
10:32 AM		Candidate Looking Away from Screen for 01 min
10:34 AM		Candidate Looking Away from Screen
10:37 AM		Candidate Looking Away from Screen
10:38 AM		Candidate Looking Away from Screen
10:39 AM		Candidate Looking Away from Screen
10:39 AM		Candidate Looking Away from Screen for 01 min
10:41 AM		Away from test window
10:42 AM		Candidate Looking Away from Screen
10:44 AM		Candidate Looking Away from Screen for 01 min
10:45 AM		Candidate Face Partially Visible
10:46 AM		Candidate Looking Away from Screen
10:46 AM		Candidate Looking Away from Screen
10:47 AM		Candidate Looking Away from Screen

10:48 AM	●	Candidate Looking Away from Screen
10:50 AM	●	Candidate Looking Away from Screen
10:52 AM	●	Additional person there
10:52 AM	●	Candidate Looking Away from Screen
10:53 AM	●	Candidate Looking Away from Screen
10:54 AM	●	Candidate Looking Away from Screen
10:55 AM	●	Candidate Looking Away from Screen
10:56 AM	●	Candidate Looking Away from Screen for 01 min
10:58 AM	●	Candidate Looking Away from Screen
10:59 AM	●	Candidate Looking Away from Screen
11:01 AM	●	Candidate Looking Away from Screen for 01 min
11:03 AM	●	Candidate Looking Away from Screen
11:04 AM	●	Candidate Looking Away from Screen
11:05 AM	●	Candidate Looking Away from Screen
11:05 AM	●	Candidate Looking Away from Screen
11:07 AM	●	Candidate Looking Away from Screen
11:08 AM	●	Candidate Looking Away from Screen for 01 min
11:10 AM	●	Candidate Looking Away from Screen for 01 min
11:12 AM	●	Candidate Looking Away from Screen
11:13 AM	●	Candidate Looking Away from Screen
11:14 AM	●	Candidate Looking Away from Screen for 02 mins
11:18 AM	●	Candidate Looking Away from Screen for 01 min
11:19 AM	●	Candidate Looking Away from Screen for 03 mins
11:24 AM	●	Candidate Looking Away from Screen
11:25 AM	●	Candidate Looking Away from Screen
11:26 AM	●	Candidate Looking Away from Screen for 03 mins
11:31 AM	●	Candidate Looking Away from Screen
11:32 AM	●	Candidate Looking Away from Screen
11:33 AM	●	Candidate Looking Away from Screen
11:34 AM	●	Candidate Looking Away from Screen
11:35 AM	●	Candidate Looking Away from Screen
11:38 AM	●	Candidate Looking Away from Screen
11:39 AM	●	Candidate Looking Away from Screen
11:40 AM	●	Candidate Looking Away from Screen for 01 min
11:42 AM	●	Candidate Looking Away from Screen
11:43 AM	●	Candidate Looking Away from Screen for 01 min
11:44 AM	●	Candidate Face not Visible
11:44 AM	●	Candidate Looking Away from Screen for 02 mins
	●	

11:47 AM		Candidate Looking Away from Screen for 03 mins
11:51 AM	●	Candidate Looking Away from Screen
11:52 AM	●	Candidate Looking Away from Screen
11:53 AM	●	Candidate Looking Away from Screen for 02 mins
11:55 AM	●	Away from test window
11:55 AM	●	Away from test window
11:56 AM	●	Candidate Looking Away from Screen
11:56 AM	●	Candidate Looking Away from Screen
11:57 AM	●	Candidate Looking Away from Screen
11:59 AM	●	Candidate Looking Away from Screen for 01 min
12:00 PM	●	Candidate Looking Away from Screen
12:02 PM	●	Candidate Looking Away from Screen for 02 mins
12:05 PM	●	Away from test window
12:06 PM	●	Mobile Phone Detected
12:07 PM	●	Candidate Looking Away from Screen
12:11 PM	●	Candidate Looking Away from Screen
12:11 PM	●	Candidate Looking Away from Screen
12:13 PM	●	Additional person there
12:18 PM	●	Candidate Looking Away from Screen
12:21 PM	●	Candidate Looking Away from Screen
12:22 PM	●	Candidate Looking Away from Screen
12:26 PM	●	Candidate Looking Away from Screen
12:32 PM	●	Candidate Looking Away from Screen
12:33 PM	●	Candidate Looking Away from Screen
12:39 PM	●	Candidate Looking Away from Screen
12:39 PM	🚩	Finished the test



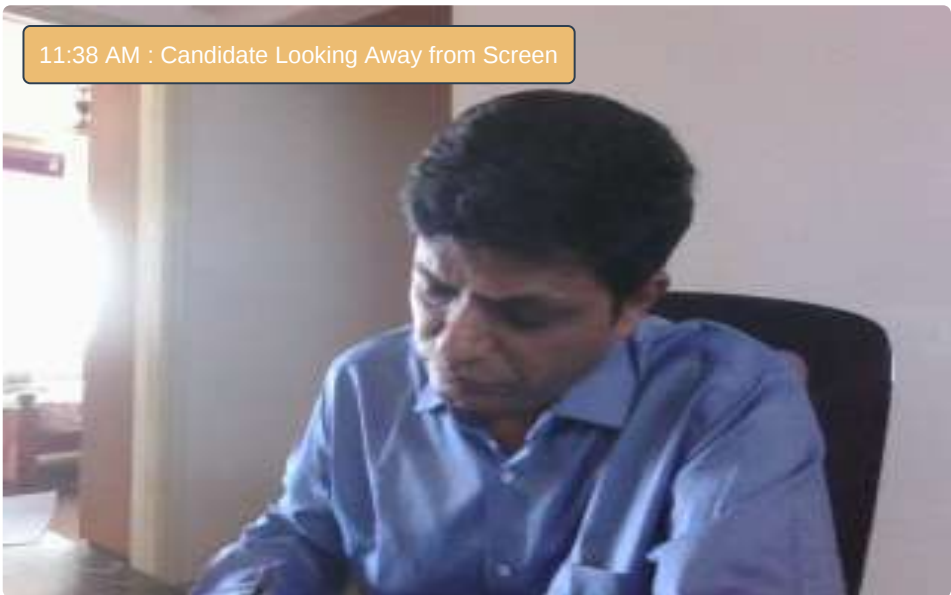
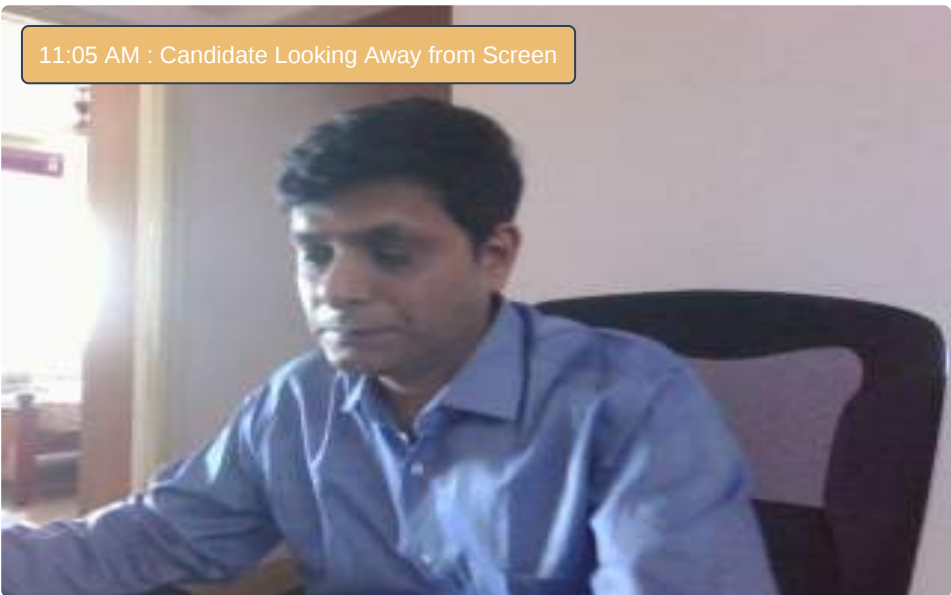
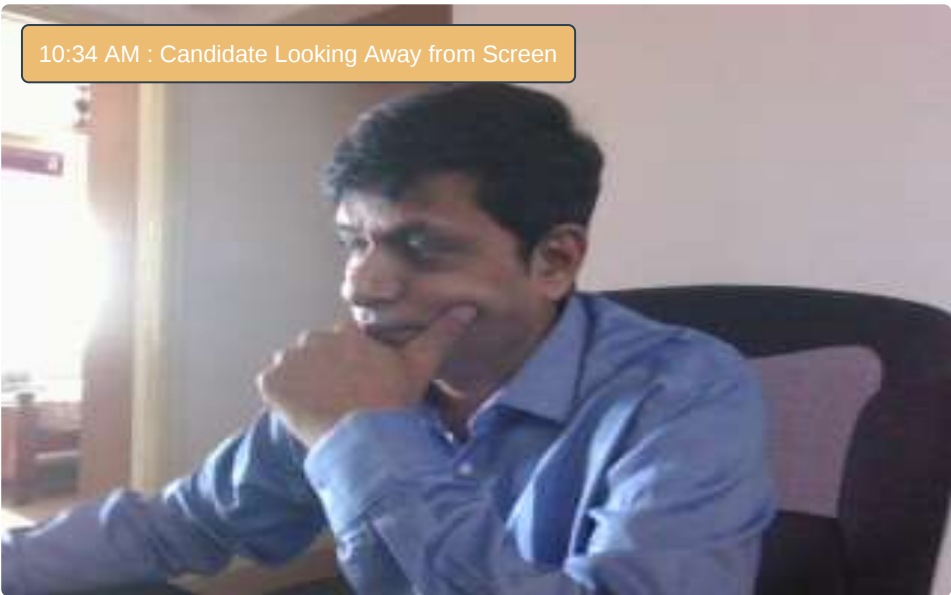
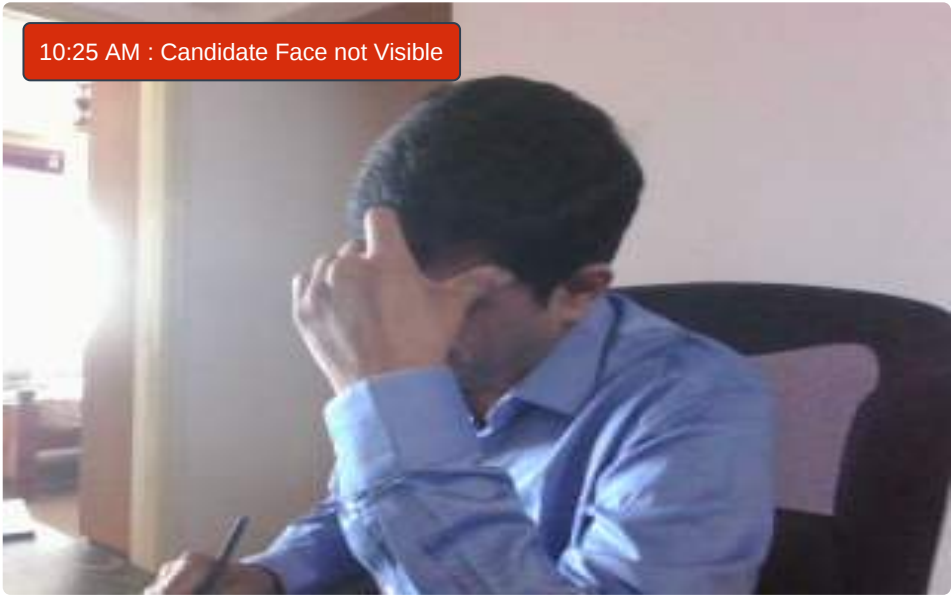
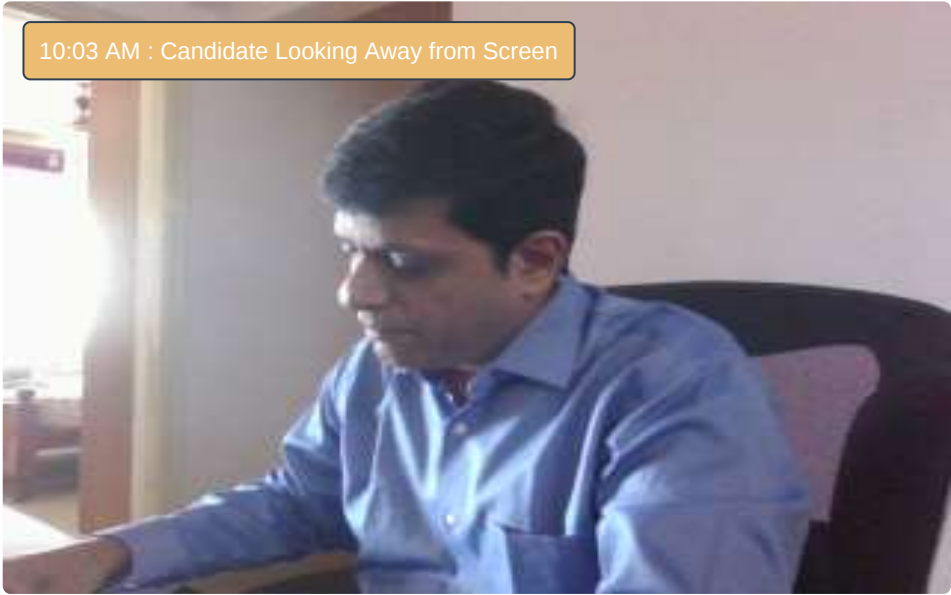
Credibility Index: **LOW**

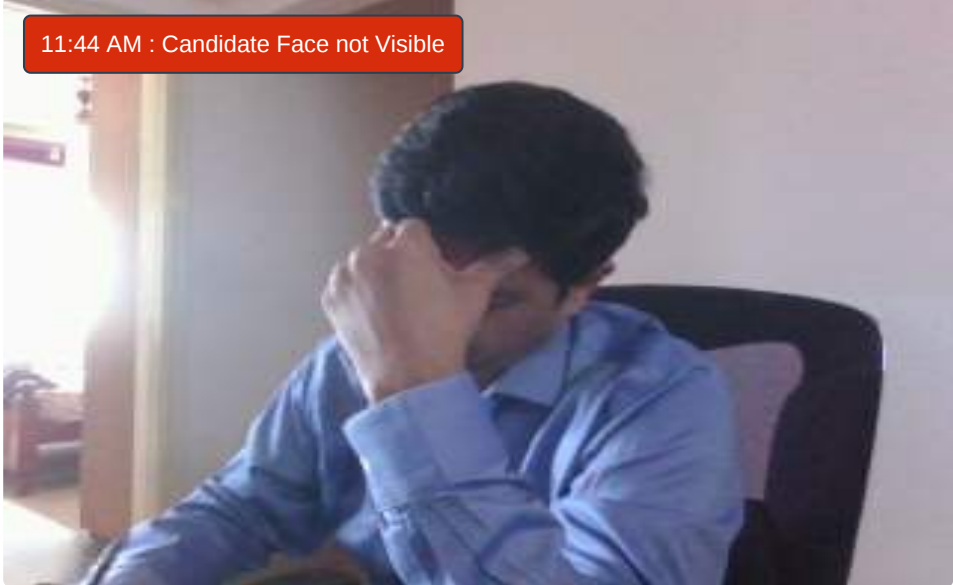
Profile Picture Snapshot



Identity Card Snapshot







About the Report

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