NEW HORIZON COLLEGE OF **ENGINEERING**

Department of Electronics and Communication Engineering

18/8/2018

GUEST LECTURE

This is to inform to VII semester students of ECE that the guest lecture arranged on 18/8/18 at Falconry Seminar Hall between 11AM-1PM.

Topic to be Delivered: "PATHWAY TO SEMICONDUCTOR INDUSTRY"

Name of the Speaker: Ms. Neha Bharti

Designation:

ASIC Design Engineer

Company:

Altran Technologies India Pvt. Ltd., Bangalore

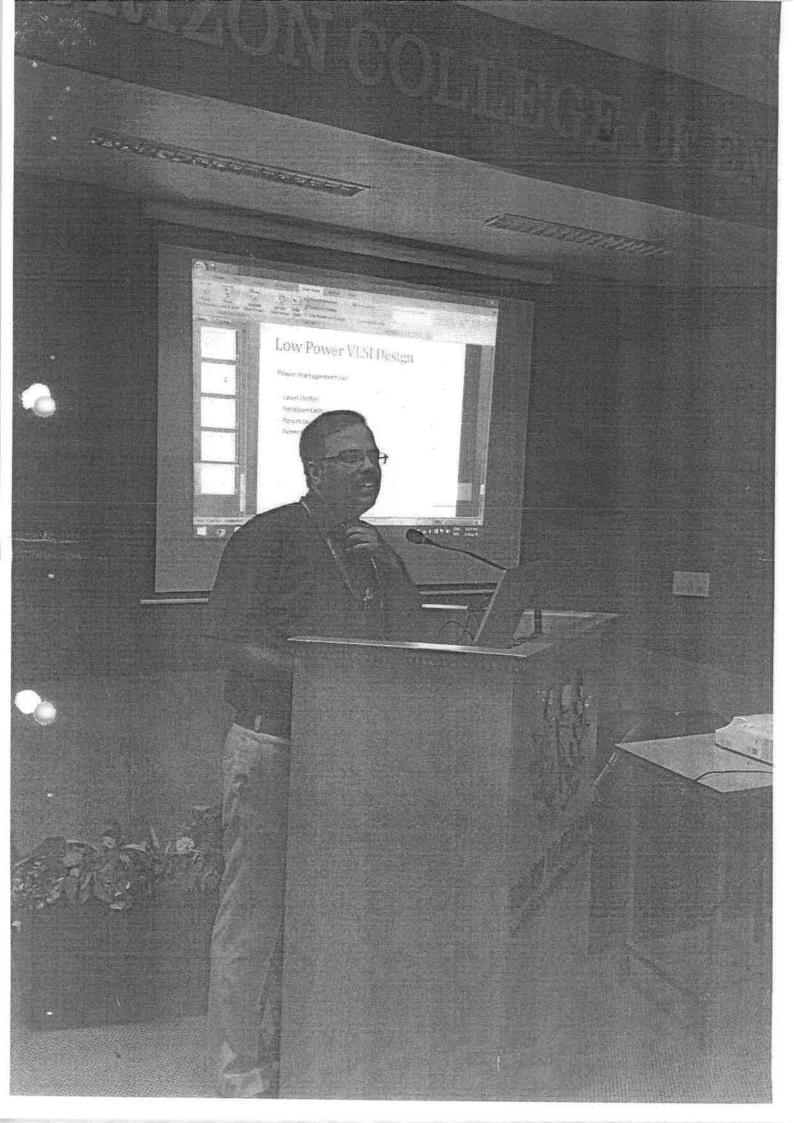
Respective subject teachers are hereby informed to be present at Falconry Seminar Hall during the lecture.

All faculty members are invited to attend the same (without affecting the regular

Guest lecture Coordinator

Agenda

- Introduction to VESI design
- * FPGA flow
- * ASIC flow
- Components on CHIP
- · RTL design
- · Low Power VLSI Design



NEW HORIZON COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING VII Sem "A" Sec

SL.No	USN	NAME	Stream	Batch
1	1NH13EC022	C Akshay Reddy	Prof	A2
2	1NH14EC019	Bharath P M	Exe	A2
3	1NH14EC061	K S DivyaTej	EXE	A2
4	1NH14EC082	Nagashivakumar Reddy	EXE	A2
5	1NH14EC726	P Likith Chowdary	EXE	A3
6	1•NH14EC737	Abhishek Reddy V	EXE	A2
7	1NH14EC744	Gourav K	EXE	A2
8	1NH14EC748	Narendra Kumar U	EXE	A2
9	1NH15EC001	Vinay Kumar Reddy	Prof	A1
10	1NH15EC018	Deexith S	Prof	A2
11	1NH15EC019	Denzel Abraham George	Prof	A1
12	1NH15EC022	Greeshma. R	Prof	A1
7.0	1NH15EC030	Janardhan.S.P	Glob	A3
-	1NH15EC031	Jayanth M K	Prof	A2
15	1NH15EC036	Karthik R	Prof	A2
16	1NH15EC040	Kesav. S	Prof	A2
17	1NH15EC045	Manikanta.K	Prof	A2
18	1NH15EC047	Mari Setti Venkata Ramakrishna	Prof	A3
19	1NH15EC048	Megha.D.R	Prof	A1
20	1NH15EC062	Nikhil Riyaz	Prof	A1
21	1NH15EC063	Nishant S	Prof	A1
22	1NH15EC065	Obili Srinidhi	Prof	A1
23	1NH15EC066	Pamisetty Udayabhanu	Prof	A1
24	1NH15EC076	Rachitha.M.R	Prof	A2
25	1NH15EC078	Radhika.B	Prof	A1
26	1NH15EC079	Riya Dey	Prof	A1
27	1NH15EC083	S P Rahul Kumar	Prof	A1
28	1NH15EC088	Saleh Junaid Ahmed	Prof	A1
	1NH15EC000	Shruthi Rajamani	Glob	A1
-	1NH15EC105	Shyla Shree.R	Prof	A2
$-\frac{3}{31}$	1NH15EC105	Siddharth P	Prof	A3
	1NH15EC106	The state of the s	EXE	A3
32	1NH15EC112	Sumanth.R	Prof	A2
33	1NH15EC114 1NH15EC116	Surendra Kumar	Glob	A2
34	1NH15EC116	Thribhuvan L	Glob	A2
35 36	1NH15EC125		Prof	A2
	1NH15EC125		Prof	A1
37	1NH15EC126		Glob	A3
38			Prof	A1
39	1NH15EC129		Prof	A3
40	1NH15EC131	The state of the s	EXE	A1
41	1NH15EC406		EXE	A2
42	1NH15EC413		Exe	A1
43	1NH15EC423		EXE	A2
44	1NH15EC430		Prof	A2
45	1NH15EC705		Prof	A3
46	1NH15EC709 1NH15EC719		Glob	A2

Denet

Jayans M. Lo

M. Worker

SPP

Smith a

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48	1NH15EC727	R. Hari Raj	Prof	A3	7
49	1NH15EC728		Glob	A2	-
50	1NH15EC732		Prof	A2	+
51	1NH15EC734		Prof	A2	-1
52	1NH15EC738	Rushika Ujjwal	Prof	A2	
53	1NH15EC741	Sanjana Ranjan	Glob	A1	PI
54	1NH15EC748		Prof	A2	Auronal ad
55	1NH15EC752	Suraj Kumar Sharma	Prof	A1	(Reman)
56	1NH15EC754	Syed Saqlain Ahmed	Glob	A1	
57	1NH15EC756	Venkatesh T	Glob	A1	
58	1NH16EC400	Chethan B R	Prof	A3	100
59	1NH16EC402	Harsha Vardhan R	EXE	A3	8
_60	1NH16EC404	Hemavathi S	Prof	A3	4
61	1NH16EC405	Kavyashree M	Prof	A2	-
62	1NH16EC406	Kushal D Pravarda	Glob	A3	1
63	1NH16EC407	Lavanya C Y	Glob	A2	
61.	1NH16EC409	LOKESHARAO V	Exe	A3	
	1NH16EC410	M. Mrinal	Prof	A3	المنادا
oG.	1NH16EC414	Muralidharan E	Prof	A3	Ben all
67	1NH16EC416	Naresh Babu	Prof	A3	100 =
68	1NH16EC421	Rakshitha N	Exe	A3	N
69	1NH16EC424	Rohit R	EXE	A3	
70	1NH16EC429	Ullas M S	Exe	A2	THE STATE OF THE S
71	1NH16EC430	Vijay Kumar Y Valmiki	Prof	A2	-
72	1NH16EC431	Aravind K	EXE	A3	

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HOD - ECE

Note: Highlighted students should be informed to pay the Account dues. Students should not be given attendance till they clear the dues.

NEW HORIZON COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING VII Sem "B" Sec

SL.No	USN	NAME	Stream	Batch	7
1	1NH13EC138	D Ramya	EXE	B3	manuel
2	1NH13EC729	Mohammed Sabah . M	EXE	B3	Bany
3	1NH14EC033	D Subba Reddy	EXE	B1	3900
4	1NH14EC037	Geetha M	EXE	B3	1
5	1NH14EC132	Srustik Subhash	EXE	B2	
6	1NH14EC147	Yerrabapu Rohit Reddy	EXE	Out of the case of	
7	1NH14EC722	Nishanth Reddy K	EXE	B2 B2	When and
8	1NH14EC723	Nithya V	EXE	B3	\mathcal{M}_{ij}
9	1NH15EC002	Abburi Greeshma	EXE	D3	
10	1NH15EC003	B Achal	EXE	B1	Auch:
11	1NH15EC004	Akash Mallappa Mantur	EXE	B3 B2	DEANS
12	1NH15EC005	Akhil Chowdary. M	EXE		1411000
	1NH15EC006	Akshitha.KS	EXE	B1	
1	1NH15EC009	Anusha M	EXE	B1	
15	1NH15EC010	Aparna.M		B2	
16	1NH15EC011	Bhavana Savanth	EXE	B1	Se and
17	1NH15EC012	Bujja Ajay	EXE	B3	The state of the s
18	1NH15EC013	Chandini C		B1	
19	1NH15EC014	Chandra Shekhar.K.R	EXE	B1	00
20	1NH15EC016	Deepak S	EXE	B2	Cho_
21	1NH15EC017	Deepika.S	EXE	B2	thans chot
22	1NH15EC023	Gurushree Bhat U	EXE	B1	Phi.
23	1NH15EC024	Harsha E	EXE		(1)
24	1NH15EC025	Harshitha J R	EXE	B2	
25	1NH15EC026	Harshitha N	EXE	B1	
26	1NH15EC027	Hemanth Kathick R	EXE	B1	
27	1NH15EC028	Hemanth Kumar.R	EXE	B2	
28	1NH15EC029	Irfan	EXE	B2	
29	1NH15EC032	Jayanth S	EXE	B2	
30	1NH15EC033	Jitin Jain Mathew	EXE	B1	
31	1NH15EC034	K B Hithesh	EXE	B1	
32	1NH15EC035	K.R.Amrutha	EXE	B2	K.R. dm
33	1NH15EC037	Karthik.V	EXE	B3 /	2.11 5/11
34	1NH15EC038	Kavya.D.R	EXE		and the
35	1NH15EC039	Keerthi.U.M	EXE	B1	
36	1NH15EC043	Laxmi Sah	EXE	B1	
37	1NH15EC046	Manamohan	EXE	B1	
38	1NH15EC049	Mithun.V	EXE	B1	I De
39	1NH15EC050	Mohammed Musaveer	EXE	B2	Masay
40	1NH15EC051	Mohammed Shabaz	EXE	B2 N	ussu,
41	1NH15EC052		EXE	B2 5	habay
42	1NH15EC052	Monika Re ddy Monisha.M	EXE	B1	,
43			EXE	B1	مريروك
44	1NH15EC054	Mukesh	EXE	B2	Turas Kala
45		Nagarjun K S	EXE	B1 4	rukes L
16		Nalini.K	EXE	B1	
17	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Priyanka Nallagouni	EXE	B3	5 - 1-
	THILLDECOOL	Naveen K.R	EXE	B2 +d	1-9

48	1NH15EC061	Naveen.P	EXE	l no	
49	1NH15EC070	Venkata Sai ganesh	EXE	B2	
50	1NH15EC071	Preeti .K.Mehtry	EXE	B1	- Sala
51	1NH15EC073	Punarva.A	EXE	B3	- Due
52	1NH15EC077	Radhakrishna,C	EXE	B3	- Vistoria
53	1NH15EC081	Rukmini.N	EXE	B2	Piothal !
54	1NH15EC085	Saahil Rai	EXE	B1	-
55	1NH15EC086	Sachin Yaday	EXE	B1	-
56	1NH15EC089	Samarpan Chakraborty	EXE	B1	-
57	1NH15EC102	Shubha.A	EXE	B1	or alles
58	1NH15EC113	Subramanaya Ganesh	EXE	B2	Shilar
59	1NH15EC117	Swathi.R		B1	_
60	1NH15EC121	Tirumala Satheesh Himakeerthi	EXE	B1	-
61	1NH15EC132	Deepti S		B1	_
62	1NH15EC135	Archana M	EXE	B3	_
63	1NH15EC435	Thyagaraj M	EXE	B1	
61	1NH15EC701	Abhishek V P	EXE	B3	_
1	1NH15EC703	Ashwin S	EXE	B1	1
0	1NH15EC707	Deepak Tomslee	EXE	B3	Ashon
67	1NH15EC714	Jishma Asmi. V	EXE	B3	- 48M
68	1NH15EC724	Prasanna Kumar.D	EXE	B3	19000
69	1NH15EC755	Syed Zahid Ulla	EXE	В3	- 53
70	1NH16EC401	Dilip Kumar R	EXE	B2 -	Labore
71	1NH16EC411	Madhavi Iranna Sajjan	EXE	B3	,
72	1NH16EC412	Mohammed Faizulla D K	EXE	B1	1. 10
73	1NH16EC413	Mohan Kumar V	EXE	B1	family
74	1NH16EC415	Namitha Reddy V	EXE	B3	1
75	1NH16EC417	Padmini M E	EXE	В3	
76	1NH16EC419	Praveenkumar R Jadhav	EXE	B3	
77	1NH16EC420	Priyanka P	EXE	B1	
78	1NH16EC423	Ramitha B	EXE	B2	
79	1NH16EC426	Sachin K B	EXE	B3	
80	1NH16EC427		EXE	B2	Sachiff KB
81	1NH16EC428	Shashikumar M R	EXE	B2	
-	141110000420	Sowmya P	EXE	B3	

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NEW HORIZON COLLEGE OF ENGINEERING **DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING** VII Sem "C" Sec

SL.No	USN	NAME	Stream	Batch	
1	1NH14EC026	D Vedavathi Kiranmai	EXE	C1	
2	1NH14EC052	Priyanka Milton	EXE	C1	9
3	1NH15EC020	1NH15EC020 Gadipudi Asrith		C3	1
4	1NH15EC021	Gattu Raghunadham	EXE	C3	1
5	1NH15EC041	Kolli Srinivasa Reddy	EXE	C2	98
6	1NH15EC042	Konuru Gopi	EXE	C2	1
7	1NH15EC044	Madala Kalyan Kumar	EXE	C2	Ne.
8	1NH15EC055	Nagabhyru Kushvanth Chowdary	EXE	C2	3
9	1NH15EC059	Nanditha S	EXE	C1	٦
10	1NH15EC064	Noti DineshKumar Reddy	EXE	C2	3
063	1NH15EC069	Pavan Kumar s	EXE	C3	1
12	1NH15EC072	Pulibandla Harish	EXE	C2	
13	1NH15EC074	Putti Reddy Akhil Reddy	EXE	C3	
14	1NH15EC080	Roopa D Almeida	EXE	C1	9
15	1NH15@C082	Rushali Raina	EXE	C1	
16	1NH15EC084	S.Suhas	EXE	C3	
17	1NH15 EC087	Sakkirala Satwik Yadav	EXE	C.2	
18	1NH1:=:C090	Sandhya B	EXE	C3	
19	1NH1: :::091	Sanjay Kumar.A	EXE	C2	1000
20	1NH11 .0092	Sanjeev Jayasurya.S	EXE	C1	
21	1NH1 1093	Sare Sai Sandeep	EXE	C2	
22	1NH1' 0094	Satish.]	EXE	C2	Ī
23	1NH1 0095	Shaik Sohail	EXE	C2	1234
24	1NH1: 1096	Sharath.N	EXE	C2	Ī
25	1NH1 1098	Shilpa.V	EXE	C1	٦
26	1NH1 1099	Shreyas S	EXE	C3	Ī
	1NH: 1101	Shruti Jana	EXE	- C2	Ī
28	1NH1 0104	Shwetha.R	EXE	C2	
29	1NH1 C107	Sneha P	EXE	C1	1
30	1NH1 =0108	Sneha.S	EXE	C1	
31	1NH: 110	Soundarya B K	EXE	C1	Ī
32	1NH1 2.111	Sowmya.S	EXE	C1	
33	1NH: :115	Suraj R	EXE	C1	
34	1NH: 118	Tarun Gowda.S.M	EXE	C2	
35	1NH: .119	Thanuja A	EXE	C1	
36	1NH 3122	V.Bharat Raj	EXE	C2	7
37	1NII 1123	V Megha	EXE	C2	
38	1NII 124	Varikuti Harsha Vardhan Reddy	EXE	C3	i
39	1NI 128	Virupaksha	EXE	C2	
40	1NI 30	Kaliki Poojasri	EXE	C2	
41	1NH 133	Namratha B R	EXE	C1	
42	1NH 34	Manoj Kumar K	EXE	C2	7



43	1NH	0700	Abhishek Gowda.K.M	EXE	C2	
44	1NH	C702	Anusha.R	EXE	C2	
45	1NH:	C704	Basanagouda Patil	EXE	C3	3
46	1NH:	C706	Vijay Krishna	EXE	C2	7
47	1N H1	C708	Ekta Shukla	EXE	C2	7
48	1NH	C711	Hakesh Kolukonu	EXE	- C1	70
49	1NI!	2712	Hari Chandana Veldanda	- EXE	C1	Ĩ
50	1NI	€713	l G Kevin Christopher Morris	EXE	C2	7
51	1Ni	C715	Manoj Chandrashekar	EXE	C1	
52	1Ni	C716	Megha N	EXE	C2	7
53	1NI	C717	Venkatasai Balakrishna	EXE	C2	8
54	1NI	C718	Namrata Sudhir Katrale	EXE	C2	7
55	1Ni	C 720	Pavan Kumar S	EXE	C2	6
56	1Ni	C722	Pavithra.R	EXE	C2	7
7	1N:	C 723	Pradeep.K	EXE	C3	1
58	1N:	C725	Prathap R	EXE	C3	1
59	1N	C726	Praveen P Nair	EXE	C3	1
60	1N	C729	Radhika R	EXE	C1	
61	1N	C730	Rahul S	EXE	C3	1
62	1N:	0731	Rakshitha.L	EXE	C3	1
63	1N:	0733	Ramya R	EXE	C1	1
64	1N	0735	Ravula Aswenth	EXE	C3	9
65	1N	2739	S K Mohammad Akhleem Nawaz	EXE	C3	18
66	1N	0740	S Krithika	EXE	C3	٦,
67	11	C742	Savita Shivanand Patil	EXE	C3	1
68	1N	C743	Sharath C R	EXE	C3	1
69	1 N	C744	Shiva Prasad.H.S	EXE	C3	1
70	1N	C745	Shivani Kumari	EXE	C3	1
71	1N	C746	Shivani.V	EXE	C3	1
72	11	2747	Shreyas.H	EXE	C3	1
m^	1N	2749	Shwetha.P.S	EXE	C3	1
1-1	11	C750	Snehith .V. Gowda	EXE	C3	1
75	11	C751	Suraj Davis	EXE	C3	1
76	11	C753	Surya V	EXE	C1	1
77	11	C757	Manoj V	EXE	C3	1
78	11	:759	Vishnu.N.U	EXE	C3	
79	11	1408	Lokesh	Exe	СЗ	P
80	11	422	Ramesh Bi rgi	Exe	C1	1
81	11/4	425	Sachin B S	Exe	C1	-1

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Note: ghted students should be informed to pay the Account dues. Stude ould not be given attendance till they clear the dues.

NAME OF THE EVENT/CLUB:

FEEDBACK ON (Mention the topic): Sent conductor Electronics DATE: 18.08.2018 Instruction: Please put a tick mark at the appropriate column.

Rating	Clarity	Visuals	Skills	Guidance	Overall
Excellent					
Good	- V		/	/	
Average			2		/-
Satisfactory	, A				

Comments/Remarks/Suggestions:

1. The esteemed speaker could have made it more interesting in terms of or smalls of application.

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Name & USN No.(optional)

NAME OF THE EVENT/CLUB: Gues	000	- ,	0	In dustry
FEEDBACK ON(Mention the topic):			DATE	:18 8 2018

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Rating	Clarity	Visuals	Skills	Guidance	Overall
Excellent					
Good		9	/		
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Comments/Remarks/Suggestions:

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GUEST LECTURE REPORT

Topic: Pathway to Semiconductor Industry

Speaker: Ms. Neha Bharti

Date: 19th August 2018

Falconry seminar hall, NHCE

Time: 11AM-1PM

With the exponential growing advancements in various technological domains semiconductor electronics has paved its way as the catalyst which forms the foundation of myriad inventions.

Drawing us closer to semiconductors and giving us a sneak peek into the industrial requirements, Ms. Neha Bharti engaged the young minds of Electronics and Communication Department (7th Semester) with her expertise on the subject.

Ms. Neha Bharti is a Post Graduate in Advanced VLSI Design from CDAC Mumbai. She began her Electronics journey in 2013 from Nagpur University where she did her Graduation in Electronics and Telecommunication. With her 4 years' experience in RTL Design with FPGA and ASIC Flow, she emphasized on the need to the have a strong hold on the basics of Digital Electronics such as the understanding of various gates and implementation of functionalities using these gates. Before setting up the presentation, the speaker briefed us on all the basic concepts of ECE. The Speaker also revised the different protocols involved in different processors such as SPI, I2C etc.

In this journey she further threw light on the flow of VLSI technology starting from system specification to fabrication. She also explained the various intricacies of hardware design using hardware descriptive languages (HDL) which include VHDL and Verilog. We were introduced to various terms and aspects of sequential and combinational circuits and also the various aspects that govern them such as the importance of timing and delay that differentiate them. She also took us through the procedures involved in chip design. Based on the industrial requirements of an Electronics and Communication Engineer,

the speaker listed the topics that are essential for the students to be well versed with.

The presentation revolved around the need to understand the management of area, speed, power and functionality. This system on chip (SOC) concept was driven forth with an interactive session with the students.

The seminar also dealt with Low Power VLSI Design which comprised of:-

- Level shifters
- Isolation Cells
- Power switches
- Retention registers

With these concepts she concluded her seminar with a Question and Answer session. This interactive session guided the young inquisitive minds towards a better understanding of what is and what will be in the Semiconductor Industry. The seminar not only enlightened us to keep ourselves updated with the growing technology but also to strengthen our foundations by fostering enhanced learning.

NAME OF THE EVENT/CLUB: Grest Lecture.

FEEDBACK ON(Mention the topic):

DATE: 18/08/2018

Instruction: Please put a tick mark at the appropriate column.

Rating	Clarity	Visuals	Skills	Guidance	Overall
Excellent					
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Comments/Remarks/Suggestions:

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DATE: 18 08 18

Rating	Clarity	Visuals	Skills	Guidance	Overall
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	Clarity	Clarity Visuals	Clarity Visuals Skill's	Clarity Visuals Skills Guidance

Comments/Remarks/Suggestions:

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NAME OF THE EVENT/CLUB:

FEEDBACK ON(Mention the topic):

DATE: 18/08/18

Instruction: Please put a tick mark at the appropriate column.

Rating	Clarity	Visuals	Skills	Guidance	Overall
Excellent		4			
Good					
Average					0
Satisfactory	-				

Comments/Remarks/Suggestions:

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NAME OF THE EVENT/CLUB:

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Rating	Clarity	Visuals	Skills	Guidance	Overall
Excellent					
Good					
Average			-		
Satisfactory	2				~

Comments/Remarks/Suggestions:

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