

### **Department of Electronics and Communication**

Name of the Event	Expert lecture
Date	20-06-2024
Beneficiary	IV SEMESTER STUDENTS
Faculty Coordinator	Dr.M.Jayanthi, Dr.P.sudhakiran
Write up	The Department of Electronics and Communication Engineering hosted an expert lecture on "DSP-Industrial Usage" on June 20, 2024. The speaker, Mr. Sagar Somashekar, a Senior Architect at Nokia Networks in Bangalore, highlighted the critical role of Digital Signal Processing (DSP) across various industries. DSP's ability to efficiently process and manipulate digital signals makes it indispensable in many fields. In the audio and multimedia industry, DSP is used for audio coding, noise reduction, and video compression. In telecommunications, it is employed for speech coding, channel coding, and software-defined radio implementations. In biomedical engineering, DSP is crucial for processing biomedical signals, medical imaging, and hearing aids. The session was attended by approximately 126 students, primarily from the 4th semester.



#### **DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

Fresents

### **Expert Lecture on**

# **DSP -Industrial Usage**

### Mr.Sagar Somashekar

Senior Software Architect Nokia, Bengaluru



#### **CONVENER**

Dr.Aravinda K

#### **FACULTY COORDINATOR**

Dr M Jayanthi, Dr P.Sudhakiran Associate Professors, ECE



20th June 2024



11:00AM to 1:00PM



**MBA Seminar Hall** 



4th Semester ECE Students









### Attendance

15	1NH22EC138	ROHIT Y PATIL	
16	1NH22EC139	ROLLAPATI SOMUSEKHAR REDDY	Somuseshan
17	1NH22EC140	ROLLY KRISHNAN	
18	1NH22EC141	S KARAN	
19	1NH22EC142	S SRIVATHSAV	
20	1NH22EC143	SAKSHI C MUTTIN	Cuttien .
21	1NH22EC144	SANCHITA NAG	4
22	1NH22EC145	SANE NIRISHA	\$
23	1NH22EC146	SANJANA SHAJI NAIR	A 4
24	1NH22EC147	SAQIB HUSSAIN DAR (AICTE)	
25	1NH22EC148	SHAILESH J KUNDER	Shailash:
26	1NH22EC149	SHARANYA KATTISHETTI	
27	1NH22EC150	SHARON ARPITHA	
28	1NH22EC151	SHASHANK M GUNDAD	Shark
29	1NH22EC152	SHRAVAN KUMAR GOGI	
30	1NH22EC153	SHRAVANI P	Shravanial
31	1NH22EC154	SHREYAS R GOWDA	
32	1NH22EC155	SIDDHARTH S	
33	1NH22EC156	SINDHU S	Sendher S:
34	1NH22EC157	SNEHA S	Sneha S

# NEW HORIZON COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Expert Lecture on DSP-Industrial usuage

Attendance sheet-4C ECE Date: 20/6/2024

SL NO.	USN	STUDENT NAME	Signature
1	1NH22EC122	R HANESHWAR	- Hauss
2	1NH22EC123	R LAKSHMAN	
3	1NH22EC124	R LOKESHWARAN	
4	1NH22EC125	R VIJAY	Burger
5	1NH22EC126	RAHUL	Poly
6	1NH22EC127	RAHUL MAHESH	
7	1NH22EC128	RAHUL NAVEEN	Lane-
8	1NH22EC129	RANJITHA R	Ranjithu. P
9	INH22EC130	RAVI KIRAN G E	Ravi kiran
10	1NH22EC131	RAYAMPALLI PRASEN AKHIL BABU	Akhil babo
11	1NH22EC132	RIMA GAYATRI U	
12	1NH22EC133	RITHESH PATNASETTY	Rithesh
13	1NH22EC135	ROHAN KUMAR SINGH	
14	1NH22EC137	ROHIT VARALE	

-		,	
15	1NH22EC049	GANESH RAMACHANDRA HEGDE	and
46	1NH22EC050	GIRISH BIRADAR	Comb C
47	1NH22EC051	GOLLAPALLI YASWANTH REDDY	(Leshwan)
48	1NH22EC052	GONGALREDDY VISHNU VARDHAN REDDY	Givier
49	1NH22EC053	GONUGUNTLA DEEPTHI CHOWDARY	Out-
50	1NH22EC054	H P VIJAYANARASIMHA	
51	1NH22EC055	H PRAGARTHI PRIYADARSHINI	
52	1NH22EC056	HARI SAI NIKHIL S	Selettil
53	1NH22EC057	HARIKA T	Harita. I.
54	1NH22EC058	HARIPRIYA K	Haryorya.K
55	1NH22EC059	HARISH S	Shuy
56	1NH22EC060	HARSHAN B REDDY	
57	1NH23EC403	CHANDAN V	كسي
58	1NH23EC404	CHANDANA M	Chandara). M
59	1NH23EC405	DARSHAN P	Doughand
60	1NH23EC406	DIMPU ABHIRAM A S	ande
61	1NH23EC408	KEERTHAN J S	Keesthan J.S
62	1NH23EC409	MANOJ K S	
63	1NH23EC411	RAGHAVENDRA H	reghander

Faculty Coordinator

HOD-ECE 20:06,24

1	1NH22EC024	ARYASREE V A	
22	1NH22EC026	AVANTIKA NELLUR	Avantike
23	1NH22EC027	AYUSH K	
24	1NH22EC028	BHAVANA H K	
25	1NH22EC029	BHAVYA	
26	1NH22EC030	BOMMIREDDY RAMANATHA REDDY	Dana Statey_
27	1NH22EC031	C HARSHINI	Harbin
28	1NH22EC032	C S YASHWANTH KUMAR	Coylon
29	1NH22EC033	CHALLA RAJITHA	Rasithe
30	1NH22EC034	CHAMAN CHIRANJEEVI M	
31	1NH22EC035	CHANDU C S	. Claude
32	1NH22EC036	CHARANYA S REDDY	Gleddy
. 33	1NH22EC037	CHETAN R	345. D
34	1NH22EC038	CHEVIREDDY KEERTHI	Koullo
35	1NH22EC039	CHIGICHERLA THRINAY	Toway
36	1NH22EC040	DADIMI PRATHYUSHA	laus.
37	1NH22EC041	DARSHAN GOWDA P S	(3-b
38	1NH22EC042	DARSHAN M	Checharly
39	1NH22EC043	DEVAIN S MAHENDARKAR	
40	1NH22EC044	DEVARASI MANOJ KUMAR REDDY	Hanold.
41	1NH22EC045	DHANUSH KEMBAL	
42	1NH22EC046	DIGANTH H S	Deganto
43	1NH22EC047	DRUVA S	Deures
44	1NH22EC048	EKANKI SHARMA	July.

## NEW HORIZON COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Expert Lecture on DSP-Industrial usuage Attendance sheet-4A ECE Date:20/6/2024

SL NO.	USN	STUDENT NAME	Signature
1	1NH22EC001	ABDULLAH MOHSIN	-Aleitento
2	1NH22EC002	АВНІЛІТН U В	Mi
3	1NH22EC003	ABHISHEK L G	Abl
4	1NH22EC004	ABUZAR YASEEN	Abuzas
5	1NH22EC005	ADITYA AJITHKUMAR	Aditiza.
6	1NH22EC006	AGNES ARUL	Adilya.
7	1NH22EC008	AKSHAY S J	Aprilans
8	1NH22EC009	AKSHAYAASRI S	A-
9	1NH22EC010	ALISETTY LIKHITH	AV:
10	1NH22EC011	ALTHAF H	dest. It
11	1NH22EC014	AMULYA K	Anutya. K
12	1NH22EC015	ANISH B	duites
13	1NH22EC016	ANKIT PATIL	
14	1NH22EC017	ANKITHA B G	Australia.
15	1NH22EC018	ANSHIKA UPADHYAY	Austicka.
16	1NH22EC019	ANUBRATA DEY	
17	1NH22EC020	ANUPAMA S	Anupara c
18	1NH22EC021	APEKSH PRAJWAL R	
19	1NH22EC022	ARJUN AJITHKUMAR	Section 1
20	1NH22EC023	ARJUN NEELAMEGAM DINAKARAN	

54	1NH23EC402	BALAJI S	Beta
55	1NH23EC407	IRFAN ALI B	Teran
56	1NH23EC410	NISCHITHA N	-0
57	1NH23EC412	S V PAWAN ADITHYA	Pawami
58	1NH23EC413	SANDEEPA C RACHOTKAR	<b>@</b> .
59	1NH23EC414	SANJAY P ACHAR	SP =
60	1NH23EC415	SANJAY S	Conjay S
61	1NH23EC416	SHRINIVAS RAMESH MADIWALAR	Ro
62	1NH23EC417	VAMSHI D C	Vanshi D

Faculty Coordinator

HOD-ECE 20.06.24

35	1NH22EC100	N MANISH	Addis
36	1NH22EC103	NATTUVA MONISHA	
37	1NH22EC104	NIKITH D NAIR	
38	1NH22EC106	NIRANJAN RAO	
39	1NH22EC107	NISHITH B V	Side
40	1NH22EC108	NITHIN M	A_
41	1NH22EC109	NITHIN R	NethonRI
42	1NH22EC110	OM PRAVEEN PANSHETTI	0
43	1NH22EC111	P V PRANAY KUMAR CHOWDHARY	Francy
44	1NH22EC112	PAVAN KUMAR K	
45	1NH22EC113	PHELIN J	the state of
46	1NH22EC114	PITTU MAHENDRANATH REDDY	Praheudra
47	1NH22EC115	PRAKRUTHI P	Celass.
48	1NH22EC116	PRAMOD R	Prancel
49	1NH22EC118	PRAVEEN PATIL	-PAA-
50	1NH22EC119	PRERANA H N	400
51	1NH22EC120	PRIYANKA ASTIKAR	12
52	1NH23EC400	ADARSH K V	Acoder
53	1NH23EC401	ADILSHAH M SWADI	Bd-

16	1NH22EC079	KOMMA PRANAV KUMAR REDDY	Pranav
17	1NH22EC080	KUSAM VARDHINI	
18	1NH22EC081	LADDU SHAAHID ALI SHAIK	sha
19	1NH22EC083	LEKHANA M	Lellan H
20	1NH22EC084	LEN BINOY KURIAN	Luc
21	1NH22EC085	LIKITHA S	
22	1NH22EC086	LOHITH B K	LANG.
23	1NH22EC087	LOHITH N S	Lohorh N.
24	1NH22EC088	MADINENI PRAVALLIKA	(Ja)
25	1NH22EC089	MAHIMA KRISHNA MURTHY	
26	1NH22EC090	MANOJ KUMAR PALLAPU	1el-
27	1NH22EC091	MANOJ U K	TOO
28	1NH22EC092	MANU R	monu.
29	1NH22EC093	MEETAIGAR KHAJA NAVEED	Vand
30	1NH22EC094	MODEPALLI VENKAT NITHWIK REDDY	11107
31	1NH22EC095	MR S V DARSHAN PATIL	Carthi
32	1NH22EC097	MURAGHARAJENDRA	DA
33	1NH22EC098	MYTHRI MANOJ	
34	1NH22EC099	N ASMITHA	

# NEW HORIZON COLLEGE OF ENGINEERING EPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERIN

#### Expert Lecture on DSP-Industrial usuage

#### Attendance sheet-4B ECE Date: 20/6/2024

SL NO.	USN	STUDENT NAME	Signature
1	1NH22EC061	HARSHITH S	1
2	1NH22EC063	HEMAGANGA Y B	- Harri
3	1NH22EC064	INCHARA S K	Inchara
4	1NH22EC066	JAYDEEP MUKHERJEE	J.
5	1NH22EC067	ЛVITESH PANDAB	<b>Audien</b>
6	1NH22EC068	K K MADHUMITHA	CO Sadden
7	1NH22EC069	K R RANJITHA BHAT	Portition
8	1NH22EC070	K S JINITH KUMAR	Fingth
9	1NH22EC071	KAMALAKSHI R	
10	1NH22EC073	KANMANIRAJA G	Part
11	1NH22EC074	KARAN S	(3)
12	1NH22EC075	KEERTHAN REDDY S	hove
13	1NH22EC076	KIRAN GHOSH	Keda
14	1NH22EC077	KIRAN S	Dist.
15	1NH22EC078	KIRANA B V	Low

55	1NH22EC182	VISHWACHETAN KITTALI	
56	1NH22EC183	VISHWANATH S YELEDAHALLI	
57	1NH22EC184	VIVEKANANDA G C	vivek
58	1NH22EC185	YASHAS L	
59	1NH22EC186	YEDDULA REETHU	Peoter.
60	1NH22EC187	YERRAGUNTLA PRANATHI SRI	
61	1NH22EC188	YERUVA VENKATA SASI KIRAN REDDY	Sound Atan
62	1NH22EC189	YOGA CHANDRU S	To,

Faculty Coordinator

HOD-ECE

20.06.24

35	1NH22EC159	SOMSHEKHAR	Son
36	1NH22EC160	SRIRAJ RAMESH	Si
37	1NH22EC161	SRIYA A	
38	1NH22EC162	SUDHANVA LOKESH MANNE	- 31
39	1NH22EC163	SUNKARA SAI KRISHNA	800
40	1NH22EC164	SURAJ M	
41	1NH22EC166	SYED ABDUL REHAMAN	49
42	1NH22EC168	ТЕЈ М ВНАТ	
43	1NH22EC169	TEJHAS SURIYA R	
44	1NH22EC170	THANU SHREE R	
45	1NH22EC171	UPPARA REVATHI	
46	1NH22EC172	VADDEMPUDI MALAVIKA	
47	1NH22EC173	VARSHA M C	
48	1NH22EC174	VARSHA REDDY R	
49	1NH22EC175	VARSHA SHARMA	9
50	1NH22EC176	VARSHA YADAV B H	
51	1NH22EC177	VARUN ANBALAGAN	
52	1NH22EC179	VASANTH KUMAR D P	Nosoush,
53	1NH22EC180	VENNAM SIVA NAGA MAHENDRA REDDY	Malestra
54	1NH22EC181	VIBHA SHREE VAS	Vilabe-

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### Feedback

A	В	С	D	Е	F	G	Н		J
eed back form on	Expert Lecture on DSI	P-Industrial Usage	20-06-2024						
imestamp	Email address		USN	Semester	Section	Key takeaways from the event (Bullet points)	Overall Feedback of e	vent( 5 being highest an	d1being the lowes
6-20-2024 11:40:46	praveenpatil24967@g	Praveen Patil	1NH22EC118	4	В	good	5		
6-20-2024 11:41:59	rajastones.shaahid@	1NH23EC081	L.Shaahid ali	3	В	Good	4		
6-20-2024 11:42:02	acharsanjayp387@gm	Sanjay plachar	1NH23EC414	4th	В	HOW TO PREPARE FOR DSP INDUSTRIAL DEMAND	4		
6-20-2024 11:44:05	rjamuna328@gmail.co	Apeksh Prajwal . R	1NH22EC021	4	Α	Motivational	5		
6-20-2024 11:44:23	hegdeganesh504@gn	Ganesh hegde	1NH22EC049	4	Α	Getting more knowledge on topic which we'r studying as the	5		
6-20-2024 11:44:24	akahaybhavani990068	Akshaysj	1NH22EC008	4	Α	We gained a laught of insight Came to know more about dsp	4		
6-20-2024 11:48:00	pawanadi7899@gmail	S V PAVAN ADITHY	1NH23EC412	4	В	About Dsp	5		
6-20-2024 11:48:14	basilharish2004@gma	S. HARISH	1NH22EC059	4	Α	Basic concepts of signals and analogue communication	5		
6-20-2024 11:48:27	shsnikhil@gmail.com	Hari Sai Nikhil s	1NH22EC056	4	Α	Highly Informative	4		
6-20-2024 11:51:12	bv092003@gmail.com	Bhavya	1NH22EC029	4	Α	It was really good, upto here we don't know anything about D	5		
6-20-2024 11:51:40	manurmanoj78@gma	Manu R	1NH22EC092	4	В	Detailed explanation about the digital and analog signal	5		
6-20-2024 11:56:20	ankithaelemane@gm-	Ankitha B G	1NH22EC017	4	Α	Very helpful	5		
6-20-2024 11:56:34	alisettylikhith7@gmail	Alisetty Likhith	1NH22EC010	IV	Α	Learnt more abt dsp	5		
6-20-2024 12:00:03	kpavankumarc999@g	Pavan Kumar K	1NH22EC112	4	В	Build your skills in core Domain	4		
6-20-2024 12:00:23	bennita0307@gmail.c	Agnes Arul	1NH22EC006	4	Α	Understood about importance of dsp	5		
6-20-2024 12:01:45	manojsmg23604@gm	MANOJUK	1NH22EC091	4	В	Importance of DSP	5		
6-20-2024 12:05:00	sanjus36881@gmail.c	Sanjay S	1NH23EC415	4	В	DSP importants	5		
6-20-2024 12:05:05	hemabheemesh99@g	Hemaganga Y B	1NH22EC063	4	В	Sampling(conversation of analog signal to digital signal) DS	4		
6-20-2024 12:05:12	anupamasadhar06@g	ANUPAMAS	1NH22EC020	4	Α	Butterfly algorithm, FftDftDsp chipAluAnalog communicatio	3		
6-20-2024 12:05:15	mahindranathreddy20	P.mahendra nath redo	1nh22ec114	4	В	5	5		
6-20-2024 12:05:58	akshayaasris@gmail.	Akshayaasri S	1NH22EC009	4	Α	Usage of DSP in industry	5		
6-20-2024 12:09:24	charanyasreddy04@g	CHARANYA S REDI	1NH22EC036	4th	Α	Sampling (conversion of analog to digital signals)DFT and I	4		
6-20-2024 12:10:33	reachanish.b@gmail.c	ANISHB	1NH22EC015	4	Α	- Very informative lecture. Many new inputs and detailed cor	5		
6-20-2024 12:10:36	harikat192@gmail.con	HARIKA T	1NH22EC057	4	Α	Sampling(analog to digital conversion)DFT AND IDFTFAS	4		
6-20-2024 12:27:26	harshini.cs20@gmail.	C. HARSHINI	1NH22EC031	4	Α	The Importance of signal processing and use in life	4		
6-20-2024 12:29:00	aalluf183@gmail.com	ALTHAF H	1NH22EC011	4th	Α	lt was usefull	5		
6-20-2024 12:31:07	adilshamswadi02@gn	ADILSHAH MISWAD	1NH23EC401	4	В	Good	3		
6-20-2024 12:51:46	008inchara@gmail.co	Inchara S K	1NH22EC064	4	В	Alu FiltersDSP algorithms DSP ChipArithmetic operations	5		
6-20-2024 12:52:22	8ditics.123@gmail.cor	Abdullah Mohsin	1NH22EC001	4	Α	Valuable insight on industry level topics	5		
6-20-2024 12:57:57	darshanpsgowda24110	Darshan Gowda P S	1NH22EC041	4	Α	Detailed explaination about the digital and analog signals	4		
6-20-2024 13:03:03	nsblohithnbl@gmail.c	LOHITHNS	1NH22EC087	4th	В	It was usefull industrial knowledge about dsp	4		
6-20-2024 13:03:40	kumaryashwanth2519	kumaryashwath2519@	1NH22EC032	4	Α	It was useful Information about	4		

6-20-2024 11:48:00 pawanadi7899@gmail S V PAWAN ADITHY	1NH23EC412		4 B	About Dsp	5	
6-20-2024 11:48:14 basilharish2004@gm; S. HARISH	1NH22EC059		4 A	Basic concepts of signals and analogue communication	5	
6-20-2024 11:48:27 shsnikhil@gmail.com Hari Sai Nikhil s	1NH22EC056		4 A	Highly Informative	4	
6-20-2024 11:51:12 bv092003@gmail.con Bhavija	1NH22EC029		4 A	It was really good, upto here we don't know anything about D	5	
6-20-2024 11:51:40 manurmanoj78@gma Manu R	1NH22EC092		4 B	Detailed explanation about the digital and analog signal	5	
6-20-2024 11:56:20 ankithaelemane@gm. Ankitha B G	1NH22EC017		4 A	Very helpful	5	
6-20-2024 11:56:34 alisettylikhith7@gmail Alisetty Likhith	1NH22EC010	ΙV	Α	Learnt more abt dsp	5	
6-20-2024 12:00:03 kpavankumarc999@g Pavan Kumar K	1NH22EC112		4 B	Build your skills in core Domain	4	
6-20-2024 12:00:23   bennita0307@gmail.c   Agnes Arul	1NH22EC006		4 A	Understood about importance of dsp	5	
6-20-2024 12:01:45 manojsmg23604@gm MANOJ U K	1NH22EC091		4 B	Importance of DSP	5	
6-20-2024 12:05:00 sanjus36881@gmail.c Sanjay S	1NH23EC415		4 B	DSP importants	5	
6-20-2024 12:05:05 hemabheemesh99@g Hemaganga Y B	1NH22EC063		4 B	Sampling(conversation of analog signal to digital signal) DS	4	
6-20-2024 12:05:12 anupamasadhar06@g ANUPAMA S	1NH22EC020		4 A	Butterfly algorithm, Fft Dft Dsp chip Alu Analog communicatio	3	
6-20-2024 12:05:15 mahindranathreddy20 P.mahendra nath redo	1nh22ec114		4 B	5	5	
6-20-2024 12:05:58 akshayaasris@gmail. Akshayaasri S	1NH22EC009		4 A	Usage of DSP in industry	5	
6-20-2024 12:09:24 charanyasreddy04@g CHARANYA S REDD	1NH22EC036	4th	A	Sampling (conversion of analog to digital signals)DFT and II	4	
6-20-2024 12:10:33 reachanish.b@gmail.c ANISHB	1NH22EC015		4 A	- Very informative lecture Many new inputs and detailed cor	5	
6-20-2024 12:10:36 harikat 192@gmail.cor HARIKA T	1NH22EC057		4 A	Sampling(analog to digital conversion)DFT AND IDFTFAS	4	
6-20-2024 12:27:26 harshini.cs20@gmail. C. HARSHINI	1NH22EC031		4 A	The Importance of signal processing and use in life	4	
6-20-2024 12:29:00   aallut183@gmail.com   ALTHAF H	1NH22EC011	4th	A	lt was usefull	5	
6-20-2024 12:31:07   adilshamswadi02@gn ADILSHAH M SWAD	1NH23EC401		4 B	Good	3	
6-20-2024 12:51:46   008inchara@gmail.co   Inchara S K	1NH22EC064		4 B	Alu FiltersDSP algorithms DSP ChipArithmetic operations	5	
6-20-2024 12:52:22 8ditios:123@gmail.cor Abdullah Mohsin	1NH22EC001		4 A	Valuable insight on industry level topics	5	
6-20-2024 12:57:57 darshanpsgowda2411( Darshan Gowda P S	1NH22EC041		4 A	Detailed explaination about the digital and analog signals	4	
6-20-2024 13:03:03 nsblohithnbl@gmail.c LOHITH N S	1NH22EC087	4th	В	It was usefull industrial knowledge about dsp	4	
6-20-2024 13:03:40 kumaryashwanth2519i kumaryashwath2519@	1NH22EC032		4 A	It was useful information about	4	
6-20-2024 13:05:06 nithin30n@gmail.com Nithin R	1NH22EC109		4 B	It was usefull industrial knowledge about dsp	4	
6-20-2024 13:12:20   varshasharma4025@   Varsha sharma	1NH22EC175		4 C	Learnt a lot about dsp	5	
6-20-2024 13:16:54   Igabhishek 1180@gmai   Abhishek L G	1NH22EC003		4 A	It was useful information about industrial knowledge regardir	4	
6-20-2024 13:31:36 muragharajendra@gm Muragharajendra s p	1NH22EC097		4 B	Dsp chip	5	
6-20-2024 14:34:42 ranjithakrb9@gmail.cc K R Ranjitha Bhat	1NH22EC069		4 B	Industrial knowledge about DSP	3	