

NEW HORIZON COLLEGE OF ENGINEERING

Department of Electronics and Communication Engineering

26.10.2018

EXPERT LECTURE

The ECE students are hereby informed that an expert lecture on Network Analysis (ECE35) for

“ Waveform Synthesis”

is scheduled on

30.10.2018.

By

Mr. Arun Krishnan

142
**Senior Product Development Engineer,
Harman Connected Services, Bangalore.**

Timing schedule is as follows

| S. No | Timings | Semester |
|-------|------------------|----------|
| 1 | 9.00 AM-11.00 AM | 3 A,B,C |

Respective subject teachers are hereby informed to be present in Chanakya Seminar Hall during the session.

Note: Interested Faculty members are invited to attend the same (without affecting regular classes)

Venue: Chanakya Seminar Hall

Expert Lecture Faculty in Charge

HOD ECE

| S.NO | DETAILS REQUIRED | |
|------|-----------------------------|---|
| 1 | Name of the Resource person | Arun Krishnan |
| 2 | Years of Experience | 7 years |
| 3 | Currently working in | Harman India |
| 4 | Designation | Senior Product Development Engineer |
| 5 | Number of Lecture Hours | 2 |
| 6 | Date of Lecture | 30/10/2018 |
| 7 | PAN Number | CRCPK5394Q |
| 8 | Aadhar Number | 403169473446 |
| 9 | Date of Birth | 10/04/1991 |
| 10 | Educational Qualification | B.tech in Electronics and Communication |
| 11 | Bank Name | HDFC Bank |
| 12 | Account Number | 50100195894875 |
| 13 | IFSC Code & Branch | HDFC0004386,B.M.E.L Gate Circle, Bangalore |

143

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

III Sem "C" Sec

EXPERT LECTURE ATTENDANCE ON 30/10/18

| SL.No | USN | NAME | SIGN |
|-------|------------|-----------------------------------|-------------|
| 1 | 1NH14EC715 | Karthik D P | |
| 2 | 1NH15EC015 | DEBBRAT MAHAPATRA | |
| 3 | 1NH15EC024 | HARSHA E | |
| 4 | 1NH15EC067 | PANDETI SAI KUMAR | |
| 5 | 1NH16EC021 | D Gowtham | |
| 6 | 1NH16EC022 | DARSHAN RAJ S | |
| 7 | 1NH16EC029 | VICTOR ABHILASH | |
| 8 | 1NH16EC065 | NILOTHPAL | |
| 9 | 1NH16EC074 | PAVAN KUMAR S | |
| 10 | 1NH16EC091 | SAM LEANDER D | |
| 11 | 1NH16EC121 | YATHISH K | Sam Leander |
| 12 | 1NH16EC701 | A NAVYA SHREE | |
| 13 | 1NH16EC712 | CHETHAN D R | |
| 14 | 1NH16ME042 | Karthik K | |
| 15 | 1NH17EC700 | AATHIRA VIJAYAN | |
| 16 | 1NH17EC701 | AJAYS S | |
| 17 | 1NH17EC702 | AKSHAJA SHIMALNA O K | |
| 18 | 1NH17EC703 | ARAVIND P M | |
| 19 | 1NH17EC704 | ASHIKA P | Aravind |
| 20 | 1NH17EC705 | BHARGAVI | Ashika |
| 21 | 1NH17EC706 | CHANDU V J | Bhargavi |
| 22 | 1NH17EC707 | DHANUSH S | Chandu |
| 23 | 1NH17EC708 | DHINAKARAN S | Dhanush |
| 24 | 1NH17EC709 | DISHANTH M P | Dhinakaran |
| 25 | 1NH17EC710 | G DEEPIKA | Dishanth |
| 26 | 1NH17EC711 | GAGANASHREE P S | Deepika |
| 27 | 1NH17EC712 | GRACE GLADYS A | |
| 28 | 1NH17EC713 | HARSHITH NAIDU J | Grace |
| 29 | 1NH17EC714 | J BHAVANA | Harshith |
| 30 | 1NH17EC715 | JAYADEEP G P | Bhavana |
| 31 | 1NH17EC716 | JILLELLA RUPASAGAR REDDY | Jayadeep |
| 32 | 1NH17EC717 | K AISWARYA | Jillella |
| 33 | 1NH17EC718 | KONDURU SIVARAMA RAJU | Kaiswarya |
| 34 | 1NH17EC719 | KOTEPALLI RAMCHARAN | Konduru |
| 35 | 1NH17EC720 | LAVANYA S N | Kotepalli |
| 36 | 1NH17EC721 | MANISHA M N | Lavanya |
| 37 | 1NH17EC722 | MANOHAR G | Manisha |
| 38 | 1NH17EC723 | MANOJ M R | Manohar |
| 39 | 1NH17EC724 | MUNAGALA BHARATH KUMAR REDDY | Manoj |
| 40 | 1NH17EC725 | NAINI NARAMA | Munagala |
| 41 | 1NH17EC726 | NAVEEN KUMAR M S | Naini |
| 42 | 1NH17EC727 | NEHA KRISHNA | Naveen |
| 43 | 1NH17EC728 | NIDUJUVVI CHAKRADHAR | Neha |
| 44 | 1NH17EC729 | NIKHIL DWIVEDI | Nidujuvvi |
| 45 | 1NH17EC730 | P K KANAKA SHARANYA | Nikhil |
| 46 | 1NH17EC731 | PALVADHI VENKATA SAI PAVAN KALYAN | Palkanna |
| 47 | 1NH17EC732 | PAVAN II | Palvadh |

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|----|------------|--------------------------------|--------------------------------|
| 48 | 1NH17EC733 | PRACHI VERMA | Prachi |
| 49 | 1NH17EC734 | PRAJWAL P | Prajwal |
| 50 | 1NH17EC736 | RAHUL BALAJI P S | Rahul |
| 51 | 1NH17EC737 | RISHIKA POTEPELLI | Rishika |
| 52 | 1NH17EC738 | RITWIK SHOME | Ritwik |
| 53 | 1NH17EC739 | S DENILA GRACELIN | S Denila |
| 54 | 1NH17EC740 | S RAHUL YADAV | S Rahul |
| 55 | 1NH17EC741 | S SAI HARSHA | S Sai Harsha |
| 56 | 1NH17EC742 | SAHIB ARORA | Sahib Arora |
| 57 | 1NH17EC743 | SANDHYA K | Sandhya K |
| 58 | 1NH17EC744 | SHARATH T P | Sharath T P |
| 59 | 1NH17EC745 | SHARON MOSES | Sharon |
| 60 | 1NH17EC746 | SHASHANK REDDY J | Shashank Reddy J |
| 61 | 1NH17EC747 | SHASHANK S SALOTAGI | Shashank S Salotagi |
| 62 | 1NH17EC748 | SHIVANG DUBEY | Shivang Dubey |
| 63 | 1NH17EC749 | SIRISHA B S | Sirisha B S |
| 64 | 1NH17EC750 | SOMA YASWANATH REDDY | Soma Yaswanath Reddy |
| 65 | 1NH17EC751 | SREEKAR REDDY KALLAM | S. Srekar |
| 66 | 1NH17EC752 | SUHAS S | Suhas S |
| 67 | 1NH17EC753 | SYED TOUQEER | Syed Touqeer |
| 68 | 1NH17EC754 | THUMMALA SURYA DEVI VARAPRASAD | Thummala Surya Devi Varaprasad |
| 69 | 1NH17EC755 | USTHEPALLI ABHIRAM | Usthepalli Abhiram |
| 70 | 1NH17EC756 | VARUN P | Varun P |
| 71 | 1NH17EC757 | VELURI SRI HARSHAVARDHAN REDDY | Veluri Sri Harshavardhan Reddy |
| 72 | 1NH17EC758 | Y SUCHARITHA | Y Sucharitha |
| 73 | 1NH17EC759 | YERRABALLI GURU SAI KUMAR | Yerraballi Guru Sai Kumar |
| 74 | 18EC430 | Tejashwini. T. R | Tejashwini. T. R |
| 75 | 18EC423 | HARSHITHA - M | Harshitha - M |
| 76 | 18EC427 | ROJA P ULLIKASHI | Roja P Ullikashi |
| 77 | 18EC421 | Aiyappa K.K | Aiyappa K.K |
| 78 | 18EC429 | Sathyaprasad P. P | Sathyaprasad P. P |
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145

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

III Sem "A" Sec

EXPERT LECTURE ATTENDANCE ON 30/10/18

| SL.No | USN | NAME | SIGN |
|-------|------------|--------------------------------|------------------------------|
| 1 | 1NH16EC038 | KARROTU PRUDHVI | |
| 2 | 1NH17BT002 | ANISHA DEVI | |
| 3 | 1NH17BT005 | BATHULA SRI SAI KRISHNA | Amisha |
| 4 | 1NH17BT007 | GANGADHARA VARSHITHA | B. Sai Krishna |
| 5 | 1NH17BT016 | MURAKONDA AVINASH | Vaish |
| 6 | 1NH17BT023 | SAI KARTHIK P R | M. Sai |
| 7 | 1NH17BT025 | SUHAIL PASHA | Sai Karthik P R |
| 8 | 1NH17BT026 | SUMAN PAL | Suhail P. |
| 9 | 1NH17BT031 | THURPUNATI SURYA PRAKASH REDDY | Suman |
| 10 | 1NH17EC001 | AARTHY P JAITH | T. Surya Prakash |
| 11 | 1NH17EC002 | ADESH V | Aarth P Jaith |
| 12 | 1NH17EC003 | ADITYA OMPRAKASH CHOUDHARY | |
| 13 | 1NH17EC004 | AKSHITHA R | Aditya |
| 14 | 1NH17EC005 | ANAND T | Akshitha |
| 15 | 1NH17EC006 | ANAND T | |
| 16 | 1NH17EC007 | ANKIT KUMAR | |
| 17 | 1NH17EC008 | ARUN Y S | Ankit |
| 18 | 1NH17EC009 | B S ABHISHEK | Arun |
| 19 | 1NH17EC010 | B YAMINI | B. S. Abhishek |
| 20 | 1NH17EC011 | BHARATH M | 48 |
| 21 | 1NH17EC012 | BHARATH Y R | Bharath M |
| 22 | 1NH17EC013 | BHASKAR K | Bharath Y R |
| 23 | 1NH17EC014 | BOGGARAPU MOURYA YASWANATH | Bhaskar K |
| 24 | 1NH17EC015 | BOREDDY NAGA MAHESWAR REDDY | Mourya Yashwanth |
| 25 | 1NH17EC016 | C O PRUTHVI | Mouya Yashwanth |
| 26 | 1NH17EC017 | CHANDANA N | C O Pruthvi |
| 27 | 1NH17EC018 | CHETHAN B R | Chandana N |
| 28 | 1NH17EC019 | DEEKSHITH N REDDY | Chethan |
| 29 | 1NH17EC020 | DEEPAK S | Deekshith |
| 30 | 1NH17EC021 | DEVASHRUTHA S | Deepak |
| 31 | 1NH17EC022 | DHANYASHREE V REDDY | Devashrutha S |
| 32 | 1NH17EC023 | DIVYA SAGAR REDDY | Dhanyashree |
| 33 | 1NH17EC024 | DUDDUKURI VAISHNAVI | Divya Sagar Reddy |
| 34 | 1NH17EC025 | G ASAD | D. Divya |
| 35 | 1NH17EC026 | G R VARSHA | G. Asad |
| 36 | 1NH17EC027 | GAGAN B K | Varsha |
| 37 | 1NH17EC028 | GAUTAM SINHA | Gagan B. K. |
| 38 | 1NH17EC029 | GIRIDHARAN P K | Gautam |
| 39 | 1NH17EC030 | H K BHASKAR | Giridharan P. K. |
| 40 | 1NH17EC031 | HARSHITHA G | H. K. Bhaskar |
| 41 | 1NH17EC032 | IVATURI S S HARSHAVARDHAN | G. Harshitha |
| 42 | 1NH17EC033 | J RUTH SHARON | Ivaturi S. S. |
| 43 | 1NH17EC034 | JERIN JOHNSON | J. Ruth Sharon |
| 44 | 1NH17EC035 | JITENDER | Jerin Johnson |
| 45 | 1NH17EC036 | K S SIRISH | Jitender |
| 46 | 1NH17EC037 | K S SNEHA LATHA | K. S. Sirish |
| 47 | 1NH17EC038 | KARAN SRINIVAS | K. S. Sneha Latha |
| 48 | 1NH17EC039 | KAVYASHREE S | Karan Srinivas |

146

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

EXPERT LECTURE ATTENDANCE ON 30/10/18

| SL.No | USN | NAME | SIGN |
|-------|------------|---------------------------|---------------|
| 1 | 1NH17EC060 | NISHMITHA C SHETTY | Nishmitha |
| 2 | 1NH17EC062 | NITHIN R KALLIGUDI | Nithin |
| 3 | 1NH17EC063 | PALAGIRI JYOTHI KRISHNA | Jyothi |
| 4 | 1NH17EC064 | PANUGANTI VIKAS | Vikas |
| 5 | 1NH17EC065 | PARTHASARATHI N | Parthasarathi |
| 6 | 1NH17EC066 | PASSAVULA PHANINDRA | Phanindra |
| 7 | 1NH17EC068 | PRANAY CHATURVEDY | Pranay |
| 8 | 1NH17EC069 | PRAVEEN KUMAR S | Praveen |
| 9 | 1NH17EC070 | PREETHU C | Preethu |
| 10 | 1NH17EC071 | PRINCE CHAURASIYA | Prince |
| 11 | 1NH17EC072 | PUNEETH REDDY V | Puneeth |
| 12 | 1NH17EC073 | R BARATH | R Barath |
| 13 | 1NH17EC074 | R KISHAN KUMAR SAI | R Kishan |
| 14 | 1NH17EC075 | R RAGHAVA | R Raghava |
| 15 | 1NH17EC076 | RAHUL MONDAL | Rahul |
| 16 | 1NH17EC077 | RAHUL V | Rahul |
| 17 | 1NH17EC078 | RAVI KIRAN M B | Ravi |
| 18 | 1NH17EC079 | RENUKA D N | Renuka |
| 19 | 1NH17EC080 | RIYA RAKESH | Riya |
| 20 | 1NH17EC081 | ROHITH P GOWDA | Rohith |
| 21 | 1NH17EC082 | RUPSA DATTA | Rupsa |
| 22 | 1NH17EC083 | S RISHITA | S Rishita |
| 23 | 1NH17EC084 | SAIKAT SAMANTA | Saikat |
| 24 | 1NH17EC085 | SAIMANTI SAHA | Saimanti |
| 25 | 1NH17EC086 | SAMYUKTHA V | Samyuktha |
| 26 | 1NH17EC087 | SATEESH R HEGDE | Sateesh |
| 27 | 1NH17EC088 | SHAKTHI A | Shakthi |
| 28 | 1NH17EC089 | SHALINI P N | Shalini |
| 29 | 1NH17EC090 | SHARAN KUMAR K S | Sharan |
| 30 | 1NH17EC091 | SHIVA S | Shiva |
| 31 | 1NH17EC092 | SHOAIB AHMED | Shoaib |
| 32 | 1NH17EC093 | SHRESTHA PATNAIK | Shrestha |
| 33 | 1NH17EC094 | SHREYANKA S | Shreyanka |
| 34 | 1NH17EC095 | SHWETA S | Shweta |
| 35 | 1NH17EC096 | SOUVIK DAS | Souvik |
| 36 | 1NH17EC097 | SOWMIYA A | Sowmiya |
| 37 | 1NH17EC098 | SRINIDHI DAMODHAR | Srinidhi |
| 38 | 1NH17EC099 | STANISLAUS LASRADO | Stanislaus |
| 39 | 1NH17EC100 | SUHAIB AFNAN | Suhaib |
| 40 | 1NH17EC101 | SUHAS H G | Suhas |
| 41 | 1NH17EC102 | SUHAS S P | Suhas |
| 42 | 1NH17EC103 | SUMITHRA V ARADHYA | Sumithra |
| 43 | 1NH17EC104 | SUNIL PATIL | Sunil |
| 44 | 1NH17EC105 | SUSHMA S | Sushma |
| 45 | 1NH17EC106 | SYALE RAJ KUMAR | Syale |
| 46 | 1NH17EC107 | TALLURI VENKATA VARUN SAI | Talluri |
| 47 | 1NH17EC108 | TEJAS K | Tejas |
| 48 | 1NH17EC109 | THEJAS U | Thejas |

S. Saha. 30.10.18

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE
(Autonomous Institution affiliated to VTU, Accredited by NBA & NAAC with Grade 'A')
Department of Electronics and Communication Engineering

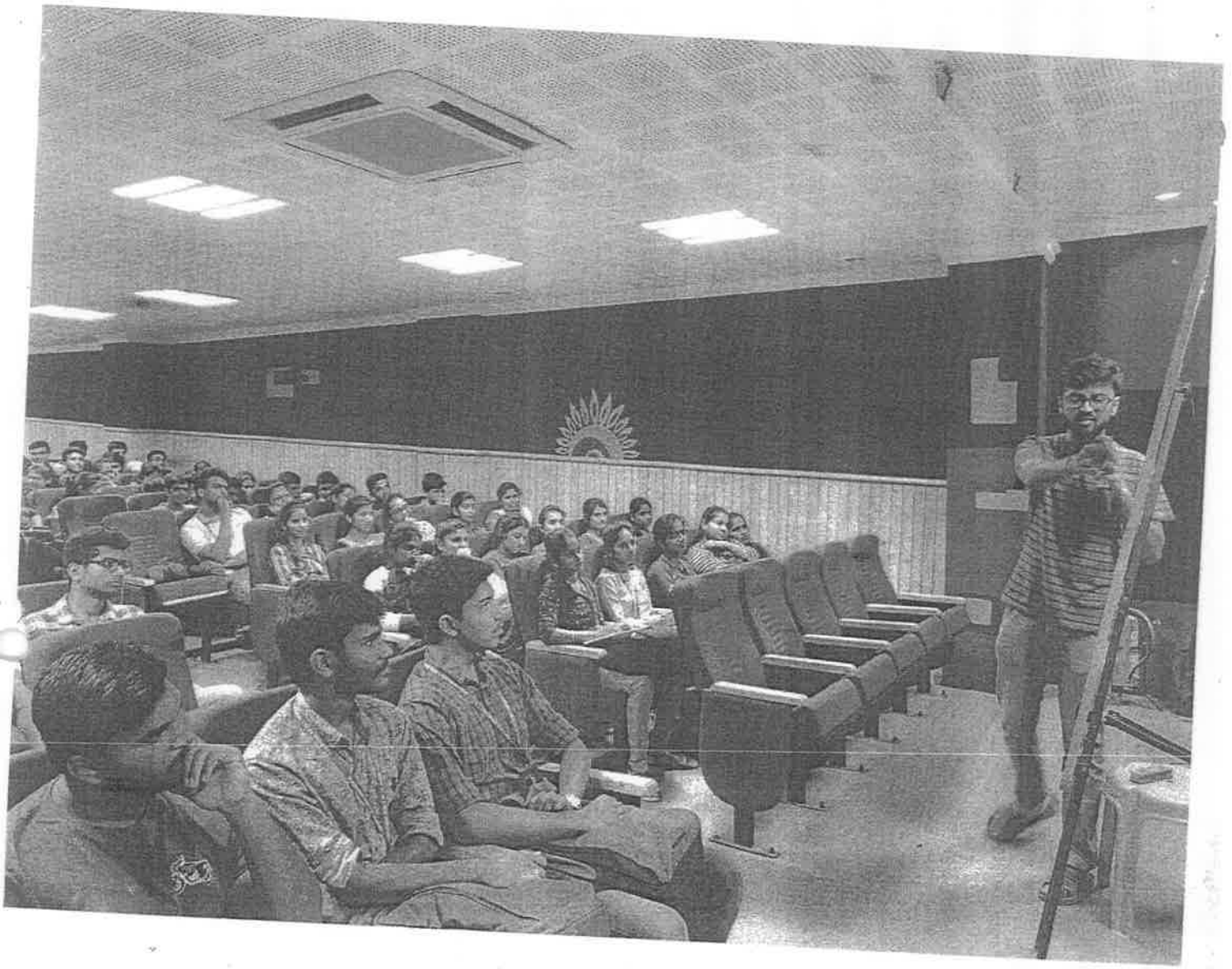
Expert lecture report on waveform synthesis (Network Analysis ECE35)

The speaker of today's lecture was Mr. Arun Krishnan. He was very informative. The lecture was held at Chanakya seminar hall at New Horizon College of Engineering. Mr. Arun Krishnan works at the Harman company under the domain of digital signal processing (DSP). He introduced the students about practical applications of topics related to our core subjects. In the lecture, the guest detailed the students about the various types of signals present around them. He very much related subjects like network analysis, signals and systems, digital electronics in practical use. He explained us about applications of fourier series and fourier transform in the field of signal processing. He briefed us about audio, video, speech signals and their necessities and effects in today's era.

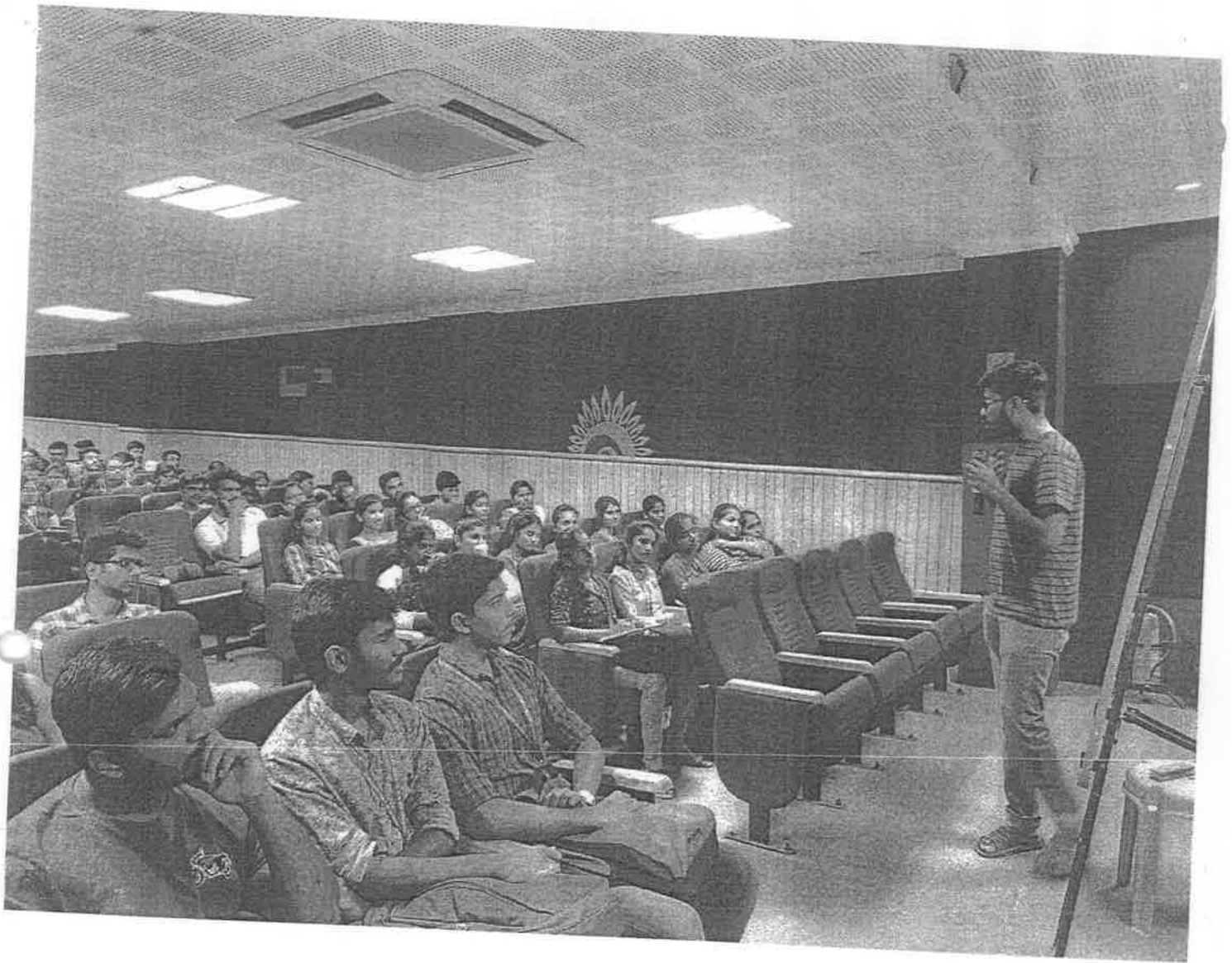
He told about the different effects about audio signals and gave the students a brief knowledge about different types of audio compressions existing. He made the students understand the importance of audio compression. He also made the students understand the various types of audio compressions that are existing like MP3, WMA etc. He also explained about the importance of noise cancellation and the video processing. Image processing was also briefed about. He made us analyse the difference between audio, video, image processing signals. He explained the importance and the conversion of time domain signal to frequency domain signal, this got us a clear cut idea about many topics related to the course Signals and Systems.

He also introduced the students about the automotive processing where his major sub-domain lies under. In DSP, Automotive processing includes engine sound system and engine noise cancellation. He also briefed the students about the importance of DSP in machine learning. He explained the evolution of speech synthesis in the field of artificial intelligence (AI).

Hence I conclude that the lecture was very helpful and helped the students gain a lot more interest in this topic. It was very explanatory and relatable. It made the students understand various topics practically.



151



152



153