

DEPARTMENT OF ELECTRONICS

GUEST LECTURE

DATE: 16-09-2022

RESOURCE PERSON: PROF. HARI PAUL

EX – HOD, Department of Electronics
SFS College, Nagpur

The Department of Electronics of DACN organised a guest lecture on “**Integrated Circuit based on Semiconductor materials**” on 16th September 2022 from 12 pm to 1pm. Guest Speaker was **Prof. Hari Paul** , Ex Head & Associate Professor, Department of Electronics SFS College Nagpur .

Dr.Bhoomi Mehre presided over the function and welcomed Prof. Hari Paul with a floral bouquet and gave the informative information to students. Prof. V.S. Pawar, Head Dept. Of Electronics introduced the guest speaker as an authority in the subject. He was the chairman of the Board of Studies in Electronics of RTM Nagpur University, Nagpur. Prof Hari Paul has experience in the field of Electronics with the demonstrated history of working in the Electronics manufacturing Technology. He is a social activist.

Prof. V.S Pawar said the Basic Electronics is vast subject from resistor, diodes and transistors. Transistor is a transfer of resistance. It is used as a switch, amplifiers. Transistors can be combined together to fabricate Integrated circuits. One IC can perform number of operations.

Prof. Hari Paul began his lecture on “**Integrated Circuit based on Semiconductor materials**” with the basic concept of semiconductors. Semiconductors are defined as elements whose conductivity lies between insulator and conductor. Holes are empty space created by electrons. P type material has excess of holes, thus has holes as majority carriers whereas in N

type material has excess of electrons, thus electrons are majority charge carriers. Doping in pure semiconductors creates P type and N type materials. In N type material pentavalent impurity is added whereas in P type material trivalent impurity is added. He explained students why carbon cannot be used as semiconductor. The energy gap of carbon is greater than 1.5eV also the property of carbon is highly unstable, and unpredictable and unreliable. Hence carbon is never considered as semiconductor material. He explained transistor and its types. He explained informative knowledge about the basic electronics. The electronics branch is related with every field of science. He not only spoke about the subject but he guided students about the role of moral values in life.

Motivation:

Guest lecturers help students to improve their learning in a more interactive, topic-specific way. A guest speaker offers a new perspective to specific topics and exposes students to teachings drawn from real-life experiences.

At the end of the session, students asked about their queries and were responded to by the guest speaker.

Dr. N.V Shivarkar presented a small token of appreciation to guest speaker and Dr Kishor Rokde gave Vote of thanks. Ku. Ayesha Khan students of Sem-V computed the program.



All the staff members are present.



Prof. V.S.Pawar welcoming Prof. Hari Paul with a flower bouquet



Ku. Ayesha Khan proceeding the program



Prof. Hari Paul delivering his popular talk



Prof. Hari Paul interacting with students about the questions



Staff and students listening the invited talk

Dr. Ambedkar College, Deekshabhoomi, Nagpur
Department of Electronics

Notice

All the students of B Sc Sem-I, III & V are informed you that, the Department of Electronics Dr. Ambedkar College, Deekshabhoomi, Nagpur organizing a popular talk on "Integrated Circuit based on Semiconductor materials" on 16th September 2022 at 12.00pm sharp in room No- 212. The guest speaker of the program is **Prof.Hari Paul**, Ex- Head & Associate Professor, Deptt. Of Electronics, SFS College, Nagpur.

All The Students should attend Guest Lecture program.

Date :- 14/09/2022

Place :- Nagpur

Head, Department of Electronics



Prof. V.S.Pawar

Dr. Ambedkar College, Deekshabhoomi, Nagpur

Department of Electronics

Notice

All the students of B Sc Sem-I, III & V are informed you that, the Department of Electronics Dr. Ambedkar College, Deekshabhoomi, Nagpur organizing a popular talk on “**Integrated Circuit based on Semiconductor materials**” on 16th September 2022 at 12.00pm sharp in room No- 212. The guest speaker of the program is **Prof.Hari Paul**, Ex- Head & Associate Professor, Deptt. Of Electronics, SFS College, Nagpur.

All The Students should attend Guest Lecture program.

Date :- 14/09/2022


Place :- Nagpur

Head, Department of Electronics



Prof. V.S.Pawar

Noted.



PRINCIPAL
DR. AMBEDKAR COLLEGE
NAGPUR.

Dr. Ambedkar College, Deekshabhoomi, Nagpur
Department of Electronics
Invitation Letter

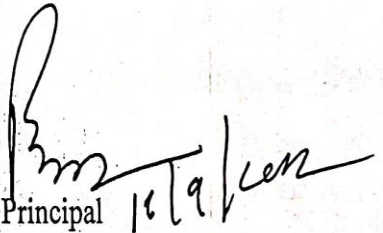
To,

Prof. Hari paul,
Ex. Head and Associated professor,
S.F.S College Nagpur

Cordially invite you as a guest speaker for the guest on "Integrated circuit based on Semiconductor materials" organized by the Department of Electronics Dr. Ambedkar College, Deekshabhoomi, Nagpur on 16th September 2022 at 12.00 pm.

Date :- 15/09/2022

Place :- Nagpur


Principal

Dr. Ambedkar College, Deeksha Bhoomi,
Nagpur

PRINCIPAL
DR. AMBEDKAR COLLEGE
NAGPUR.

Dr. Ambedkar College, Deekshabhoomi, Nagpur
Department of Electronics
Attendance of Students for Guest Lecture Program

Date: 16/09/2022

S/No	Name of students	Class	Mob No	Signature
1	Tilak Rewatkar	Bsc-I	9767748391	
2	Chandan Rewatkar	Bsc-I	7620896110	
3	Minakshi Gajbhiye	Bsc-I	9637365808	
4	Anagha Khanwalkar	Bsc-I	7666749148	
5	Rakhi Gupta	Bsc-I	9322676889	
6	Nikita Chaudhari	Bsc-I	9322702392	
7	Mayuri C. Dhabale	Bsc. II	8149366058	
8	Anchal Singh	Bsc. III	7385466837	
9	Jamni P. Naphade	Bsc. III	7262804612	
10	Rumesh V. Thakare	Bsc-III	9011324709	
11	ARYA KHOPRE	B.Sc-III	9529903514	
12	Sumit G. Rawandhe	B.sc III	9834564284	
13	Pranay Lonare	Bsc III	8080248602	
14	Pranay Ganikbare	BSC III	9960194073	
15	Aishi Jambhulkar	Bsc III	7588903125	
16	Pranav Bansod	B.sc III	966515270	
17	Krishna Yetnutulwar	B.sc III	9637896110	
18	Navin R. Kable	Bsc III	7558775222	
19	Sanket H. Sawane	BSC III	7038748884	
20	Nishant Vijay Raut	Bsc III	9021394563	
21	Aysha Khan	Bsc III	9370838932	
22	Ayush Shriwasakar	Bsc-III	9067313957	
23	Jash Dekate	Bsc III	9529368407	
24	Khushbu Shahare	B.Sc 3 rd year	7498220019	
25	Divya S. Kokode	B.Sc 3 rd year	7499938273	

Date: 23/09/2022

Place: Nagpur

Prof. V.S.Pawar
Head, Deptt. of Electronics,