

Dr. Ambedkar College, Deekshabhoomi, Nagpur

Department of Electronics

Annual Report for the academic session-2018-2019

Aptitude Test

At the Time of admissions the students were tested for their interest and aptitude test was conducted on 24th July 2018 for the B.Sc. Sem- I students. The main objective of the aptitude test was to identify weak students and to check out extra teaching program for them. The Dept of Electronics recommended to the students name Mrudul V. Sharma & Sneha A. Kande, had scored highest marks and for their self enhancement of this season. They were encourage with the basics books and asked to get their doubts cleared by consulting the faculty members anytime considering the below average performance of some students, the faculty members of the Dept of Electronics are teaching the subject simple way and the fundamental concepts are in details.

Dr. N. V. Shiwarkar, Ram Ghode and students of B.Sc. sem-I in the aptitude test

Unit Tests & Home Assignments

The Department of Electronics conducted two unit tests before university semester examinations as well as paper wise. B.Sc semester V& VI students also provided the home assignments e.g. topics of the syllabus collected from the internet and submitted to the Department and prepaid the flex charts of various given topics.

General Knowledge Test

The Department of Electronics conducted General knowledge test in the month of August, September & October 2018 for the B.Sc. Sem-I, Sem-III & Sem-V for the internal marks of the winter university Examination 2018. All the students participated and were successful the students scored good marks in the Examination.

Electronics Quiz Competition

The Electronics Society celebrated collegiate events on the occasion of National Science Day on 14th September 2018 for the B.Sc. Sem-I, Sem-III & Sem-V for the internal marks of the summer university Examination 2018. All the students participated and scored good marks in the Examination. Prizes won by Aditya Waghaye student of B.Sc Sem-III and Shreya Mankar student of B.Sc. Sem-V in the Electronics Quiz.

Fresher's Day Programme

Fresher's Day Programme was organized on 20th August 2018 by the Department of Electronics. Prof. V. S. Pawar presided over the functions. Program started by the floral welcome of the Staff and freshers was performed by Shreya Mankar, Rajashri S. Chopde & Pooja Hagone & all the students of B.Sc. Sem-V (Final Year).

Program was conducted to have interaction in between the juniors & seniors so that juniors can ask for any help regarding the studies and other activities from their seniors. All the students of the Department participated in the program. Program was started by the warm welcome of Prof. V. S. Pawar and Dr. N. V. Shiwarkar. Prof. V. S. Pawar guided the students about various activities carried out by the Department, gave information about the techniques for studies & told about different job opportunities that students can choose. Many events like Mr. & Miss Freshers, singing competition and also various games were played. Individual representation had been seen.

Program was ended with a vote of thanks given by Ku. Shreya Mankar, student of B.Sc. Sem-V. Everyone had a smiley face because event was a great success.



Prof. V. S. Pawar guiding to the students in a fresher's day programme



Staff and Students of final year on the dice



Staff members garlanding and lightening

One day Workshop

A workshop on "Animations & VFX" was organized by the Department of Electronics on 28th August 2018. Principal P. C. Pawar presided over the function. Chief Guest of the program was Mr. Sagar Gede & Vaibhav Karmarkar along with Miss. Pooja Puwankar.

Prof. V. S. Pawar gave a floral, welcome with a bouquet to the principal. Prof. N. V. Shiwarkar florally welcomed the Chief Guest Mr. Sagar Gede, A Pre-production Artist in the Reliance Education and also has 11 year experience in animations. Aditya Waghaye, a student of B.Sc. Sem-III welcomed Mr. Vaibhav Karmarkar as a guest of honour who is working as a Visual Effect Faculty and has 7 year experience. Ku. Shreya Mankar welcomed Pooja Puwankar.

Principal P. C. Pawar morally boosted students to get interacted with various technical fields of modern Science. Prof. V. S. Pawar introduced the Chief Guest of the program and gave relevant information about them. Mr. Sagar Gede delivered his topic on Pre-production of Animation superbly. He explained the students about various processes occurring in the productions of animations with the help of projector he gave information about the various parameters included in the field of animation.

Mr. Vaibhav Karmarkar delivered his speech on VFX in the workshop. He showed various video slide shows in the form of 2D & 3D effects which gave thorough information about the different applications used in Cinemas & Studios. Ku. Shreya Mankar, student of B.Sc. Sem-III anchored the program splendidly. All the students were present & enjoyed the workshop. Ku. Sayali Dakhole gave vote of thanks and concluded the program.



Prof. V. S. Pawar floral welcoming to the principal the Dr. P. C. Pawar



Ku. Shreya Mankar preceding workshop programme.



Students attending the workshop programme



Dr. N. V. Shiwardkar floral welcoming to the Mr. Sagar Gede (Chief guest)

GUEST LECTURE

DATE:28-12-2018

RESOURCE PERSON: PROF. ARUN A BHOYAR

The Electrolitz Society of Department of Electronics DACN was formally inaugurated by prof Arun A Bhojar, Department of Electronics from the D B Science College,Gondia on 28th December 2018 at 12-00 pm in the room no 1. Prof. V.S. Pawar, Head Dept. Of Electronics presided over the function and welcomed Prof Arun A Bhojar with a floral bouquet. and introduced the guest lecturer Prof Arun A Bhojar as an authority in the subject. He is eminent thinker and social activist He has gave brief suggestions to the student.

Arun Bhojar was giving a lecture on "Digital system and its application" organized by Department of Electronics. He explained informative knowledge about the basic electronics. The electronics branch is related with every field of science.

Mangesh Khobragade, a student of B.Sc.II Electronics conducted the proceedings while Ku. Shreya Mankar proposed a formal vote of thanks



Prof. V S Pawar introducing about chief guest.



Prof. Arun Bhojar delivering the lecture.



Students attending the guest lecture



Shreya Mankar giving vote of thanks

Allocation of projects to B.Sc Sem-IV & V students

Electronics is such a branch of science in which the theoretical aspect learn in the classroom are to be applied in the field of the subject in order to encourage the students to apply Electronically techniques in our day to day problems they were asked to choose a problem from the real life situation where techniques of Electronics can be applied and some result can be obtained. After the project will decided the students give guidance about collection of Electronics material from the market and designing the circuit with help of various Electronics techniques. The following project had designed by the group of students successfully from 28th December 2018.

1. Amplitude Modulation designed by Shawanal Kayarkar
2. Monostable multivibrator designed by Mayuri M. Senad
3. Dual Power Supply designed by Ku. Shreya Mankar.
4. LM-35 Transfer characteristic designed by Ku. Rudali Patil,.
5. 5Volt Power Supply designed by Ku. Pooja N. Hagone
6. Study of characteristics of LDR designed by Mangesh Khobragade



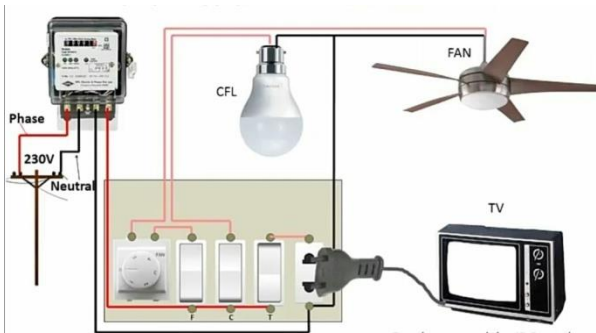
Students doing their project work.

STAFF TRAINING PROGRAMME

DATE: 19TH TO 21ST JANUARY 2019

Prof. V. S. Pawar, Head Department of Electronics carried out three days training programme for non-teaching staff Shri Ram Ghode for a Department of Electronics which was organized in laboratory from 19th January to 21st January 2019.

In this three days training programme in a Electrical workshop was carried out on a first day training was given to design electrical board and on second day installation of electrical board was done. The third day was exclusive for a training the staff on a general maintenance and overall operations of the Electric board.



Installations of circuit board



Shri Ram Ghode doing Electrical work



Shri Ram Ghode maintaining the Department



Shri Ram Ghode installing the Electrical board

Student's Seminar 31 Jan 2019 :

The Department of Electronics conducted student seminar of B.Sc Sem-IV & VI and on 31 Jan 2019 in their classroom. The student spoke on various topics related to their subject in presence of the teaching staff and students.

They explained the following seminar topics which were allotted to the Students.

1. Mangesh Khobargade student of B.Sc Sem-VI spoke on LCD interfacing with 8051 μ c.
2. Ku. Rajshree Chopade student of B.Sc Sem-VI spoke on The While Loop Statement in C.
3. Aditya Marshettiwar student of B.Sc Sem-VI explained how to print pyramid in C.
4. Ku. Shreya Mankar a student of B.Sc Sem-VI block diagram of 8051 microcontroller.
5. Aditya Waghaye a student of B.Sc Sem-IV spoke on Phase shift oscillator.



Ku. Shreya Mankar explain 8051 microcontroller oscillator.



Aditya Waghaye explain on Phase shift



Mayuri Banawakde explain her topic



Ku. Varsha Deheriya explain her topic

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Allocation of projects to B.Sc Sem-IV & V students

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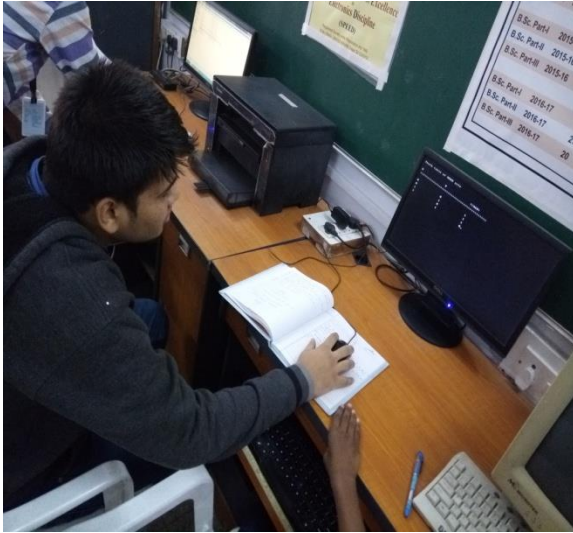
1. Amplitude Modulation designed by Shreya Mankar.
2. Monostable Multivibrator designed by Mayuri Banabakode.
3. Dual Power Supply designed by Vikas Lende.
4. LM-35 Transfer characteristic designed by Ku. Rudali Patil, Ku. Samiksha Lakhote.
5. 5Volt Power Supply designed by Ku. Pooja N. Hagone & Pooja Mishra and so on....
6. Study of characteristics of LDR designed by Mangesh Khobragade



Prof. V.S. Pawar demonstrating Application of CRO.



Students of B.Sc. Sem-IV designing there Projects.



Shawanal Kayarkar checking out the results in C programming



Rajeshri Chopde performing the project in C Language



Mangesh Khobragade designing LDR

Electro Quest 2019

The staff & the students of Department of Electronics had attended the inter-collegiate quiz competition Electro-Quest 2019 organized by J.B. College of Science, Wardha on 19th March 2019. Students cleared the entrance examinations for the Quiz and acquired the desk



Traditional Day

A Traditional Day program was organized by the Department of Electronics, Dr. Ambedkar College, Nagpur. The program was held on 23th March 2019 in the college Auditorium at 11:00 am to 03:00 pm. Dr. P C Pawar, Principal of the college presided over the function. The program started by the floral welcome of teachers which was performed by Mangesh Khobragade, Shreya Mankar, Aditya Marshetiwar and all the students of B.Sc. Electronics.

The Program was conducted to perform various activities like Dance, Games. The crowd was awesome this year and seniors found no difficulty in conducting the program in a superb way.

The program was started by warm welcome of Prof. V.S. Pawar, Head Dept of Electronics and Prof. N.V. Shivarkar. Prof. V.S. Pawar guided to the students that more efforts are required to conduct a program, just like a leadership quality is necessary also the time management is required. It was a team work not a single person did this. The success in life keep in mind the three 'C's one is confidence second is commitment and third is communication. This was a traditional day program to develop their knowledge and future career.

Now it was time for the events to take place. Many events like Singing & Dancing. The program was ended Vote Of Thanks by Mayuri Shenad and Pooja Hagone after that teachers and students had their refreshment.

Farewell Programme

The Department of Electronics conducted farewell programme on 27th March 2019 for the B.Sc. Sem –VI. The students gave their views about the Department. The Department of Electronics is good and excellent. Theory portion of the syllabus and the experiments were performed regularly during the academic year. No. of the students goes for the further higher education and some of searching jobs.



Prof. V. S. Pawar and students at farewell programme

Date: 28-03-2019

Place: Nagpur

Prof. V. S. Pawar

The Head Department of Electronics.
Dr. Ambedkar College, Nagpur.