## Amrut Sevabhavi Sanstha, Parbhani

## LATE KU. DURGA K. BANMERU SCIENCE COLLEGE, LONAR DIST. BULDANA DEPARTMENT OF PHYSICS

## **ONLINE TRAINING PROGRAMME**

1) Title of the Activity: Online "Fast Track Practical Based Electronics Training Programme"

**2) Date:** 28/06/2022 to 27/07/2022

3) Notice: A leaflet of the program distributed through whats app

4) Organizer: Dr. Prakash K. Banmeru (Principal) LKDKB Science College, Lonar

**5) Course Coordinator:** Mr. Sharique S. Shaikh

**6) No of Participants:** 10

7) Members: Mr. Sharique S. Shaikh, Dr. R.V. Dekhale, Miss Yogita A. Kamble

8) Resource Person:

1. Dr. R.V. Dekhale, CEO, Perfect Electronics, Wai, Satara,

2) Miss Yogita A. Kamble

Contact Details: Website - <a href="www.perfectelectronics.net">www.perfectelectronics.net</a>, perfectelectronics@usa.com

9) Platform: Google Meet

## 9) The Practice/Activity:

Under the MOUs Activity, Department of Physics of Late Ku. Durga K. Banmeru Science College, Lonar Dist. Buldana organized online Training Programme on dated 28/06/2022 to 27/07/2022 entitled," Online "Fast Track Practical Based Electronics Training Programme."

In this course there are 30 Experiments of 6 modules, first module "PCB Software" Second module "Schematic (circuit diagram) Software". Third module "Operational Amplifier". Fourth module "Digital Electronics" and fifth module entitled "Amplifiers and Oscillations" And Sixth module entitled "Soldering and De-Soldering tech." These modules taught by Dr. R.V. Dhekale, Mr. Sharique S. Shaikh and Miss Yogita A. Kamble in entire week.

Practical sessions are taken in online mode through You-tube by all concern teachers

OFFICE: Dattnagar Galli no.4, plot 77, behind S.T. stand, Wai, Dist.-Satara, Maharashtra, phone: 02167-265121 Mobile:09822241255, Email:perfectelectronics@usa.com,rvdhekale2@gmail.com Website:www.perfectelectronics.net

Fast tract practical based Professional Training for B.E. electronics students







Products presentation for the B.E. electronics students in deucational visit



## **Industrial Training Program for Electronics Students**

## Objectives:

Objectives of the training are to get the new professional skills through experiments so that students can face the interviews successfully for getting job. This is 100% practical oriented training on the topics 1) Artwork creation for PCB using Software 2) Drawing of circuit diagrams using software 3) 5 experiments on Operational Amplifiers 4) 7 experiments on digital electronics 5) 5 Experiments on Amplifiers and oscillators 6) Soldering and de-soldering practice. All the above experiments are made by the use double sided PCBs. Which is new technique developed by Perfect Electronics. After completion of the training, a test will be conducted for the evaluation.

## **Duration of Training:**

Duration of the training will be 6 days. There will be training of 3 hours every day between 9.00AM to 12.00PM.

### Fee

Rs. 2,500/- for 6 days training, 100% fee should be paid at the time of registration. Study material will be provided at the time of registration

## Eligibility:

BE(Electronics), DIE, B.Sc.(Physics/Electronics/Computer Science/IT), ITI Electronics, Vocational Electronics at XII std, Electronic Hobbyist

## Advantages of the training:

- 1) Industrial training certificate
- 2) Equivalent 6 months industry experience certificate
- 3) Free software copy to create artwork for PCB for home practice
- 4) Free software copy to draw the circuit diagrams for home practice
- 5) Solution of the questions in the test will be provided which is useful for the interview.
- 6) Name of the candidate will be registered for our placement cell and will inform about the openings in industries or engineering colleges.

## Details components of the training program:

- PCB software training (3 hours): In which functions of the tools of the software will be explained. Sample assembled board and 5 circuit diagrams will be given to make the single & double sided PCBs. Personal help will be provided.
- 2) Schematics (Drawing circuit diagrams) software training (3 hours): Tools of the software will be explained. 5 circuit diagrams will be given for the practice. Personal help will be provided.
- 3) 5 Experiments from operational amplifier (3 hours): 1) Op-Amp as inverting amplifier 2) Op-Amp as adder 3) Op-Amp. as comparator 4) iC 555 as Monostable multivibrator 5) IC 555 as astable multivibrator
- 4) 8 Experiments from the digital electronics (3 hours): 1) Verifications basic and derived gates 2) De-Morghan's Theorem 3) Study of Decoder using IC7447 4) Decade counter using IC 7490 5) Half adder 6) Full adder using logic gates 7) 4-bit binary adder using IC 7483 8) 4-bit binary subtracter
- 5) 5 Experiments from amplifiers and oscillator (3 hours): 1) Phase shift oscillator 2) Colpitt's Oscillator 3) Crystal Oscillator 4) Voltage Sweep Generator using UJT 5) Negative Feedback Amplifier
- 6) Soldering and de-soldering practice (3 hours): Techniques of good soldering of electronic components on the PCB will be taught.
  Practice of de-soldering of single and double sided PCB by the use of de-soldering machine (thermo-vacuum), Desolwick Cu wire will be taught.

## Tours Visited:

Educational tours of students of engineering and science colleges visited to Perfect Electronics to see the new products developed as under:

- 1)Madhoji College, Phaltan, 2013
- 2)SVERI College of Engineering, Pandharpur, 2015
- 3)SPPP Karmayogi Polytechnic college, Pandharpur, 2015





## **Lonar Col Phy Shaikh HOD**

Select

7 Photos

Amrut Sevabhavi Sanstha , Parbhani
Late Ku. Durga K. Banmeru K. Banmeru Science College , Lonar Dist. Buldana
Department of Physics
Industrial Training Program for Electronics Students (Online)
Training centre — Perfect Electronics , Wai , Dist. Satara

Department of Physics Sanctioned MOUs with perfect Electronics, Wai, Dist. Satara and under such activity
Department of Physics organized Six Month Industrial Training Program for Electronics Students.

List of Participated Students

Sr.	Name of Students		Class	E-mail ID & Postal Address	Mobile	Fees
No					Number (Wtup)	paid
1	Vitthal R. Bhakade		B.Sc. III	Vitthalbhakade7@gmail.com At. Saraswati , Po. Lonar Tq. Lonar Dist. Buldana	9579550488	1500/-
2	Laxman R. Pophale	1	B.Sc. III	Pophalelaxman80@gmail.com At. Saraswati , Po. Lonar Tq. Lonar Dist. Buldana	8975159080	1500/
3	Ku.Qaneta Mehvish M. Mirza	~	B.Sc. III	Farhanakhatoon1970@gmail.co m Nai Nagri , Lonar , Tq. Lonar Dist. Buldana	9518398419	1500/
4	Ku. Bhavana S. Bhavan	-	B.Sc. III	Bhavanbhavana31@gmail.com Sarafa line , Lonar Tq. Lonar Dist. Buldana	9175602005	1500/
5	Shubham N. Mapari		B.Sc. III	Shubhammapari007@gmail.co m Mapari Galli , Lonar Tq. Lonar Dist. Buldana	8975967822	1500/
6	Dipak A. Mapari	~	B.Sc. III	Maparidipak02@gmail.com Patel Nagar, Lonar, Tq. Lonar Dist. Buldana	9834946029	1500/
7	Keshav K. Ghodke	•	B.Sc. III	Ghodakekeshav575@gmail.co m At. Po. Jambhul , Tq. Lonar Dist. Buldana	9021709798	1500
8	Siddheshwar B. Sangle		B.Sc. II	Sanglesiddhu42@gmail.com At. Chincholi Sangle, Po- Lonar Tq. Lonar, Dist. Buldana	9112956636	1500
9	Ajinkya S. Landge		B.Sc. II	Ajinkyalandge503@gmail.com At. Azad Nagar , Lonar . Tq. Lonar Dist. Buldana	7498154678	1500
10	Swaraj D. Wagh	7	B.Sc. I	Swarajw6@gmail.com Ram Nagar , Lonar Tq. Lonar Dist. Buldana	9518387383	1500

Training Co-ordinator Mr. Sharique S. Shaikh Dept. Of Physics

भौतीकशास्त्र विभाग के.कु.दुर्गा क.चनमेरु विज्ञान महाविद्याल

लोणार जि.जुलडाणा

Principai Dr. Prakash K. Banmeru LKDKB Sci. College, Lonar

Principal
Latz. Kr. Durga K. Banners School College
LONAR, Dist. Buildings

## **Schedule of Online Training Programme**

		8 - 8
Sr. No.	Date	Activity
1	22-05-2022	Sending of video links of the experiments
2	23-05-2022	Sending of practical book/charts of experiments to the by post.
3	23-052022	Student should learn every video of the experiments carefully.
4	28-05-2022	After getting book of charts again student should see each video with reference to corresponding chart.
5	01-06-2022	Video links of orals of every experiment will be sent.
6	02-06-2022	Students should learn each video of oral.
7	05-06-2022	Google meet will be arrange at 10.30 AM for technical discussion/oral topic on Digital Electronics
8	6-06-2022	Google meet will be arrange at 10.30 AM for technical discussion/oral topic on Operational Amplifier.
9	07-06-2022	Google meet will be arrange at 10.30 AM for technical discussion/ oral topic on Amplifier and Oscillators.
10	08-06-2022	Google meet will be arrange at 10.30 AM for technical discussion on Software of Express PCB, Design Work express and Soldering and de-soldering techniques.
11	09-062022	Online exam of 30 minutes on Google form will be arrange at 11 AM.
12	10-06-2022	Video feedback of students will be taken and

Certificates will be sent by post.

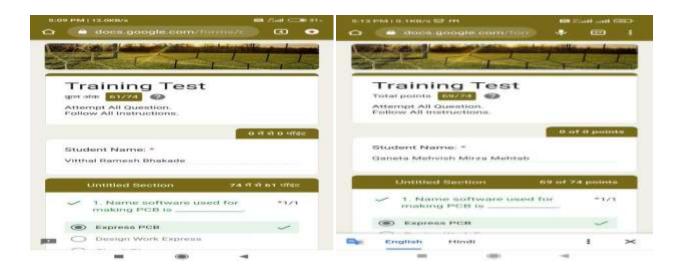


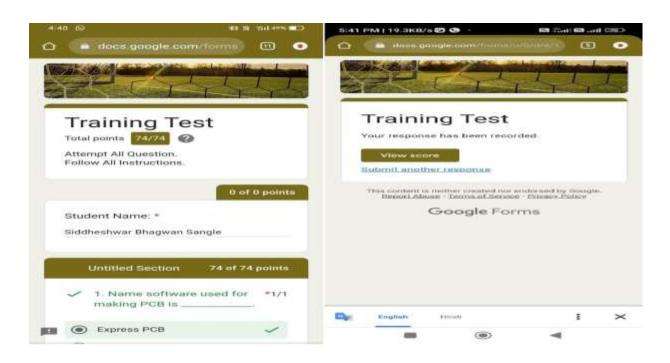
9:32 AM Today 9:31 AM

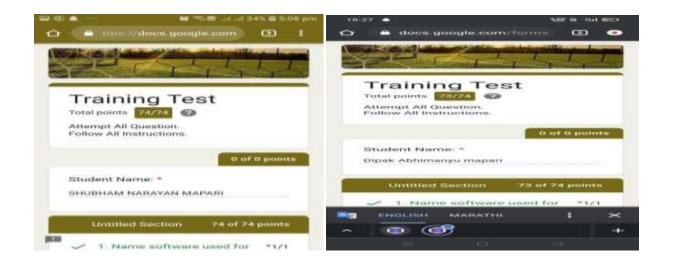


**Edit** 

Deptt. of Physics of Durga Banmeru Science College, Lonar, Dist.- Buldhana have been registered their BSc students for Online 15 days Practical Based Electronics Training Programme at Perfect Electronics, MIDC, Wai on 20.05.22 Under MoU to increase Technical knowledge of the students Perfect Electronics, Mobile:9822241255







## **Tentative Schedule of Online Training Programme**

Sr.No	Date	Activity
1	28-06-2022	Sending of Video links of the Experiment
2	29-06-2022	Sending of Practical book / Charts of experiments to the students by post
3	30-06-2022	Students should learn every video of the experiments carefully
4	05-07-2022	After getting book of charts again student should see each video with
		reference to corresponding chart
5	08-07-2022	Video links of oral of every experiment will be sent
6	09-07-2022	Student should learn each video of oral
7	12-07-2022	Google meet will be arrange at 10:30 A.M for technical discussion / oral
		topic on Digital Electronics
8	13-07-2022	Google meet will be arrange at 10:30 A.M for technical discussion / oral
		topic on Operational Amplifier.
9	14-07-2022	Google meet will be arrange at 10:30 A.M for technical discussion / oral
		topic on Amplifiers and Oscillators
10	16-07-2022	Google meet will be arrange at 10:30 A.M for technical discussion on
		Software of Express PCB, Design Work express and Soldering and De-
		soldering tech.
11	26-07-2022	Online Exam of 30Min. on Google will be arrange at 11A.M
12	27-07-2022	Video feedback of students will be taken and Certificates will sent by post

Perfect Electronics
OFFICE: Datta degar, Behind 5.7,5tand, Wal, Dist Sature, Mehanzehine Phone, 02167-220606, Fux-02167-220606.
Mebile: 09822241255 Email: perfect/sectronics@usa.com. Support@isperfect.net, Website: www.perfect/sectronics.net ractory: Plot No. 8-115, M.I.D.G., Wal, Dist.- Sature. (Maherashtra)

Ref: PE/270

Ontel 27-67-2622

### CERTIFICATE

This is to certify that Mr. Sharique 5. Shaikh has successfully completed Online "Fast Track Practical Based Electronics Traming Programme" organized by us at our company during 28-06-2022 to 27 07-2022. He has attended paogle meet for the presentation and learn educational videos for total 30 electronics experiments on the 500105-37 PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de soldering techniques.

Dr R. V. Dhekale

Technical Directo PERFECT ELECTRONICS
Behing S. T. Stand, Dettangar,
Pot No. 77, Galli No. 4,
Wal -412 B03, Diat. Satara,
Mobile: 9022141255

Automatic lecture belt system and RASHTRAGEET player, Electronice project. Electrical and Electronics experimental boards, (Fast track electronic training course for engineering students) Marinfacture

## Perfect Electronics

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Ref: PE 270

Date: 27 |07 | 2022

## CERTIFICATE

This is to certify that Mr. Siddheshwar B. Sangie has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

Dhekale

Technical Director

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Ref: PE/270

Date: 27-07-2022

## CERTIFICATE

This is to certify that Mr. Shubham N. Mapari, has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de soldering techniques.

Technical Director

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FACTORY: Plot No. D-115, M.I.O.C.; Wal, Dist.-Satars. (Meharashtra)

Ref. PE | 270

Date: 27-67-2022

## CERTIFICATE

This is to certify that Mr. Keshay K. Ghodake. has successfully completed Online "Fast Track Practical Based Electronics Training Programme\* organized by us at our company during 28-06-2022 to 27 97-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 1) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques

Technical Director PERFECT ELECTRONICS
Defind S. T. Stanu, Dattenagar,
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Wal. 412 803 Dist. Satore,
Mobile : 9312241255

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Ref. PE/2To

Date: 27 - 07 - 2022

### CERTIFICATE

This is to certify that Mr. Vitthai R. Bhakade has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics S) Amplifiers and oscillators 6) Soldering and de soldering techniques

Technical Director

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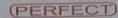
Date: 27-07-22

### CERTIFICATE

This is to certify that Mr. Dipak A. Mapari has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

Dr. N. V. Dhekale

Technical Director PERFECT ELECTRONICS Behind S. T. Stand, Dattanagar, Plot No. 77, Galli No. 4, Wai - 412 803. Dist Satara Mobile: 9822241255



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Ref: PE | 270

Date: 27-07-22

## CERTIFICATE

This is to certify that Mr. Laxman R. Popkale has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schomatic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

Dr. R. V. Dhekale

Technical Director

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Manufacture: Automatic lecture bell system and RASHTRAGEET player, Electronics project, Electrical and Electronics experimental boards. (Fast track electronic training course for engineering students)

Perfect Electronics

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FACTORY: Plot No. 8-115, M.I.D.C., Wal, Dist.- Satera. (Maharashtra)

Ref: PE/270

Date: 27-07-27

### CERTIFICATE

This is to certify that Mr. Swaraj Wagh, has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27 07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 2) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques

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Ref. PE 270

Date: 27 |07 | 2022

## CERTIFICATE

This is to certify that Mr. Alinkya S. Landge has successfully completed Online "Fast Track Practical Based Electronics Training Programme" organized by us at our company during 28-06-2022 to 27-07-2022. He has attended google meet for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit diagrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oscillators 6) Soldering and de-soldering techniques.

Dhekale

Technical Director PERFECT ELECTRONICS Bethind S. T. Stand, Dattanagar, Plot No. 77, Galli No. 4, Wai - 412 803 Dist Satara, Mobile: 9822241255

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Factority: Flor No. B-118, M.I.D.C., Wel. Dist. Satura, (Meharashtra)

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Date: 2710712022

## CERTIFICATE

This is to cuttify that Miss. Bhavana S. Bhavan has successfully completed Online "Fast Track Practical Based Electronics Traumine Programme" organized by us at our company during 28-06-2922 to 27 02-2022. She has attended google most for the presentation and learn educational videos for total 30 electronics experiments on the topics 1) PCB software 2) Schematic (Circuit d/agrams) software 3) Operational amplifiers 4) Digital electronics 5) Amplifiers and oxcillators 6) Soldering and de soldering ternniques

Dr. C. V. Onekale

Technical Director

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Mobile: 9522241255

Automatic lecture bell system and RASHTRAGEET player, Electronics project, Electrical and Electronics experimental boards. (Fast track electronic training course for engineering students.)

L.K.D.K. Banmeru Science College, Lonar

LONAR, Cist Buildhana

## Late Ku. Durga K. Banmeru Science College, Lonar. Dist. Buldana. 443302.

## **Department of Botany**

**Academic Year 2019-20** 

## **Students Seminar Activity**

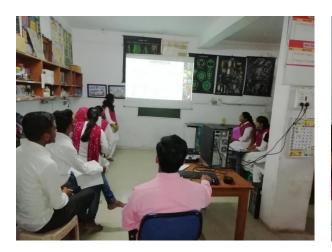
The students of B.Sc. II & III Year (Botany) had delivered their **SEMINARS** by using **ICT Tools** in both the semester. The topic of the seminar is the same topic which is given for conducting Project as an Internal Assessment. Students firstly attempt the projects, preparing his project report & submit at the time of seminar. All students had prepared their own Power Point Presentation (PPT) by themselves using Microsoft Power Point, Smart Phone Slides application, different themes & animations. Each student gave his seminar & explaining his project in front of class students & teachers.

The departmental faculty Dr. Mahendra R. Bhise taking initiative to given the different project topics (related to syllabus) to students, promoting each students for preparing their own power point presentation. Also he has explain, How to conduct the project, How to write the project report, referencing, How to prepare PPT & presentation.

The main objective of this activity is, to learn computer applications & build skill/self confidence for presentation.





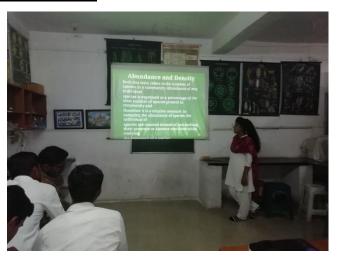




B.Sc. II yr students presenting their seminar on Power point Presentation

## Late Ku. Durga K. Banmeru Science College, Lonar. Dist. Buldana. 443302. **Department of Botany Academic Year 2019-20**













Principal HOD

## Late Ku. Durga K. Banmeru Science College, Lonar. Dist. Buldana. 443302.

## **Department of Botany**

**Academic Year 2019-20** 

## **Practical Conducted Report**

The regular practical's of B.Sc. II & III Year (Botany) have been conducted regularly as per the time table. The various lab instruments are used for the performing experiments in lab. Departmental faculty firstly explains the principle & methodology of each experiment to the students. Individual student was also handling the instruments to understand the complete mechanism of each instrument. The main objective of this activity is, for experiential learning & to build skill/self confidence for demonstration & recording observation of each experiment. The Lab Instruments like Centrifuge machine. Laminar Air Flow Chamber, Micropipettes, Electrophoresis Unit, Binocular Microscope, Stereoscopic Microscope, pH Meter, Hot Water bath, Autoclave, etc.







B.Sc. III yr students performing Plant Tissue Culture on Laminar Air Flow Chamber

# Late Ku. Durga K. Banmeru Science College, Lonar. Dist. Buldana. 443302. <u>Department of Botany</u>

**Academic Year 2019-20** 



Plant Tissue Culture performed by B. SC III yr (Botany) students



Gel Electrophoresis performed by B. Sc. III yr students for separation of Proteins

HOD Principal

# Late Ku. Durga K. Banmeru Science College, Lonar. Dist. Buldana. 443302. <u>Department of Botany</u>

Academic Year 2017-18

## **Students Seminar Activity**

The students of B.Sc. II & III Year (Botany) have delivered their **SEMINARS** in both the semester. The topic of the seminar is the same topic which is given for conducting Project as an Internal Assessment. Students firstly attempt the projects, preparing his project report & submit at the time of seminar. Each student gave his seminar & explaining his project in front of class students & teachers.

The departmental faculty Dr. Mahendra R. Bhise taking initiative to given the different project topics (related to syllabus) to students, promoting each students for preparing their presentation. Also he has explain, How to conduct the project, How to write the project report, referencing, How to prepare presentation.

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