



DAYANAND EDUCATION SOCIETY'S

DAYANAND COLLEGE OF PHARMACY

BARSHI ROAD, LATUR.

Tablet Manufacturing Technology

2019-2020

Certificate Course Highlights

- **Time duration-30hours.**
- **Course duration from 02/09/2019 to onwards**
- **Course Co-ordinator- Mr. Sarda R. R.**
- **No Fees will be charged .**



Dayanand Education Society's

DAYANAND COLLEGE OF PHARMACY

Barshi Road, Latur (Maharashtra) Pin - 413531 PH-(02382)-223299, 223199

Website: www.dayanandpharmacy.org E-mail : dayanandpharmacy@rediffmail.com

DTE CODE -2156, PCI CODE- PCI-408 principaldcop@gmail.com

A Certificate Course in Tablet Manufacturing Technology

Description of Course

Drug manufacturing is the process of industrial-scale synthesis of **pharmaceutical** drugs as part of the **pharmaceutical industry**. The process of **drug manufacturing** can be broken down into a series of unit operations, such as milling, granulation, coating, tablet pressing, and others.

The design and manufacture of pharmaceutical tablets is a complex multi-stage process whereby formulation scientists ensure that the correct amount of drug substance in the right form is delivered at the appropriate time, at the proper rate and in the desired location with its chemical integrity protected to that point. Most drug substances do not possess the required properties which give satisfactory flow from the hopper to the die cavity of tablet presses. As a result, they are subjected to pre-treatment either alone or in combination with suitable excipients to form free-flowing granules that lend themselves to tableting.

Who this course is for:

- Beginners and Intermediate
- Diploma Pharmacy Students
- Bachelor of Pharmacy Students
- Master of Pharmacy Students
- Bachelors of Science
- Master of Science
- Fresher's & Employees
- Students seeking opportunities for Pharma job career

Syllabus: (Duration: 30 Hrs)

Chapter 1: Introduction: (3 Hrs)

Definition & Classification of Tablets Ideal Properties, Advantages and Disadvantages

Chapter 2: Excipients used in Tablets (5 hrs.)

Diluents, Binders, Lubricants, Antiadherents, Colours, Flavours, sweetening agents, Disintegrants etc. with examples

Chapter 3: Tablet Manufacturing techniques & Granulation (7 hrs)

Direct Compression, granulation and its importance, dry granulation, wet granulation with mechanism, Compression, Compaction

Chapter 4: Tablet Compression Machines (4 hrs)

Single punch machine, multiple punch tablet machine, rotary tablet machine, tooling

Chapter 5: Quality Control tests: (4 hrs)

Evaluation tests for tablet official & non-official, Weight variation, Shape, Size, Hardness, Friability, Content uniformity, Disintegration, Dissolution

Chapter 6: Tablet Defects & Remedies (7 hrs)

Various defects in tablet, reason for defects and measures to overcome the defects, Capping, Chipping, Lamination, Double impression, hardness variation



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DCOP/2019-20/3091(A)

Date: 10/08/2019

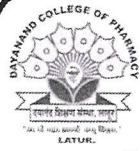
**SYLLABUS FRAMING COMMITTEE FOR CERTIFICATE COURSE IN TABLET
MANUFACTURING TECHNOLOGY**

| Sr. No. | Name of Faculty | Designation | Name of College | Role |
|---------|-----------------|---------------------|------------------------------------|----------|
| 1 | Dr.Satpute K L | Principal | Dayanand College of Pharmacy Latur | Chairman |
| 2 | Dr.Chaus W N | Associate Professor | Dayanand College of Pharmacy Latur | Member |
| 3 | Mr. Sarda R R | Assistant Professor | Dayanand College of Pharmacy Latur | Member |

Principal

PRINCIPAL

Dayanand Education Society's
Dayanand College of Pharmacy
LATUR-413531



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DCOP/2019-20/3070 (B)

Date: 02/08/2019

To,
Mr. Sarda R R
Dayanand College of Pharmacy,
Latur

Subject: Invitation for syllabus framing committee of "Certificate Course in Tablet Manufacturing Technology".

Dear Sir,

With reference to above cited subject, we are pleased to invite you as a member for syllabus framing committee of "Certificate Course in Tablet Manufacturing Technology" scheduled on 10/08/2019 at 11: 00 am.

Kindly accept our invitation and oblige us with confirmation.

Received with thanks
Joshi

Principal

PRINCIPAL

Dayanand Education Society's
Dayanand College of Pharmacy
LATUR-413531



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DTE CODE -2156, PCI CODE- **PCI-408** principaldcop@gmail.com

DCOP/20-19-20/3070(A)

Date: 02/08/2019

To,
Dr. Chaus W N
Dayanand College of Pharmacy,
Latur

Subject: Invitation for syllabus framing committee of "Certificate Course in Tablet Manufacturing Technology".

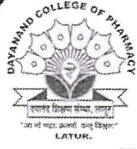
Dear Sir,

With reference to above cited subject, we are pleased to invite you as a member for syllabus framing committee of "Certificate Course in Tablet Manufacturing Technology" scheduled on 10/08/2019 at 11: 00 am.

Kindly accept our invitation and oblige us with confirmation.

Principal

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DTE CODE -2156, PCI CODE- **PCI-408** principaldcop@gmail.com

DCOP/2019-20/3094 (A)

Date: 13/08/2019

To,
Mr. Sarda R R
Dayanand College of Pharmacy,
Latur

Subject: Invitation as faculty for "Certificate Course in Tablet Manufacturing Technology".

Dear Sir,

With reference to above cited subject, we are pleased to invite you as a faculty for "Certificate Course in Tablet Manufacturing Technology" scheduled from 02/09/2019.

Kindly accept our invitation and oblige us with confirmation.

Principal

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*Received
Tablet*



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Date: 18/08/2019

NOTICE

All the students of B. Pharmacy are hereby informed that college is going to conduct a certificate course on "Tablet Manufacturing Technology" so interested students should enroll your name to Mr. Sarda R R and complete the registration on or before 30/08/2019

Principal

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Date: 30/08/2019

NOTICE

All the enrolled students registered for certificate course on “Tablet Manufacturing Technology” are hereby informed that, the certificate course is going to start from 02/09/2019.

Course Coordinator

Principal

PRINCIPAL

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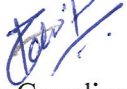
LIST OF STUDENTS ENROLLED FOR CERTIFICATE COURSE ON TABLET MANUFACTURING TECHNOLOGY ACADEMIC YEAR 2019-20

| | |
|----|------------------------------|
| 1 | Anawade Geeta Anil |
| 2 | Basade Alisha Raheman |
| 3 | Bele Saraswati Hari |
| 4 | Bhise Satish Laxman |
| 5 | Bhosale Shital Rajesh |
| 6 | Bidri Swati Sanjay |
| 7 | Bulbule Ratik Ramesh |
| 8 | Chame Aditya Vyankatrao |
| 9 | Chandak Rushikesh Rajkumar |
| 10 | Chavan Kajal Narendra |
| 11 | Chopde Dnyaneshwari Ravindra |
| 12 | Dhepe Rajesh Rohidas |
| 13 | Dorle Shubhangi Bhaurao |
| 14 | Gaikwad Manjusha Devrao |
| 15 | Gaikwad Rutuja Udhav |
| 16 | Gogade Viresh Prabhakar |
| 17 | Golewar Prasad Devidas |
| 18 | Godbharle Amrut Namdev |
| 19 | Gomchale Ganesh Kamlakar |
| 20 | Gurme Supriya Yelba |
| 21 | Hajare Amruta Ashok |
| 22 | Hajare Amruta Babu |
| 23 | Halkude Pragati Uttreshwar |
| 24 | Hole Ajay Ramdasrao |
| 25 | Ingale Arvind Sudhir |
| 26 | Jogade Nikita Narayanrao |
| 27 | Kamble Shital Rohidas |
| 28 | Kasat Yash Kishorji |
| 29 | Khureshi Sameer Khajaminy |
| 30 | Kotalwar Dipti Balaji |
| 31 | Mamale Kalpana Balu |
| 32 | More Aishwarya Vinayakrao |
| 33 | Mule Ayaj Mohammadrafi |
| 34 | Munde Sneha Vishnu |
| 35 | Pathak Pooja Dilip |
| 37 | Patil Rutuja Vijaykumar |
| 38 | Patil Vrashali Vivekanand |
| 39 | Pawar Abhishek Satish |
| 40 | Raiphale Shriram Balaji |
| 41 | Rajmane Minakshi Kamalakar |
| 42 | Sanap Shivam Dnyanoba |
| 43 | Saudagar Madhuri Sanjay |
| 44 | Shaikh Akhyar Akbar |
| 45 | Shaikh Neha Naaz Riyaz |
| 46 | Shendkar Shahaji Pandurang |

**ATTEDANCE REPORT FOR CERTIFICATE COURSE ON TABLET
MANUFACTURING TECHNOLOGY FROM 02/09/2019 TO 05/10/2019**

| Sr. No. | Name | Dates 02/09/2019 TO 05/10/2019 | | | | | | | | | | | | | | | | |
|---------|------------------------------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| | | 2/9 | 3/9 | 4/9 | 5/9 | 6/9 | 7/9 | 8/9 | 9/9 | 10/9 | 11/9 | 12/9 | 13/9 | 14/9 | 15/9 | 16/9 | 17/9 | 18/9 |
| 1 | Anawade Geeta Anil | P | P | A | P | P | P | A | P | P | P | P | A | P | P | A | | |
| 2 | Basade Alisha Raheman | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | | |
| 3 | Bele Saraswati Hari | A | P | P | P | P | P | P | P | P | P | A | P | P | A | P | | |
| 4 | Bhise Satish Laxman | P | P | P | A | P | A | P | A | P | P | P | P | P | P | P | | |
| 5 | Bhosale Shital Rajesh | A | A | P | P | P | P | P | P | P | P | P | P | P | P | P | | |
| 6 | Bidri Swati Sanjay | A | P | P | | P | P | P | P | P | P | A | P | P | P | A | | |
| 7 | Bulbule Ratik Ramesh | P | A | A | P | P | P | P | P | P | P | P | P | P | P | A | | |
| 8 | Chame Aditya Vyankatrao | P | A | P | P | A | P | P | P | P | P | P | P | A | P | P | | |
| 9 | Chandak Rushikesh Rajkumar | P | P | A | P | P | P | P | P | P | P | P | A | P | P | P | | |
| 10 | Chavan Kajal Narendra | P | P | P | A | P | P | P | P | P | P | A | P | P | P | P | | |
| 11 | Chopde Dnyaneshwari Ravindra | P | P | P | P | A | P | P | P | P | A | P | P | P | P | P | | |
| 12 | Dhepe Rajesh Rohidas | P | P | P | P | P | A | P | P | A | P | P | P | P | P | P | | |
| 13 | Dorle Shubhangi Bhaurao | P | P | P | P | P | P | A | A | A | P | P | P | P | P | P | | |
| 14 | Gaikwad Manjusha Devrao | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | | |
| 15 | Gaikwad Rutuja Udhav | P | P | P | P | P | P | A | P | A | P | P | P | P | P | P | | |
| 16 | Gogade Viresh Prabhakar | P | P | P | P | P | A | P | P | P | P | A | P | P | P | P | | |
| 17 | Golewar Prasad Devidas | P | P | P | P | A | P | P | P | P | P | A | P | P | P | P | | |
| 18 | Godbharle Amrut Namdev | P | P | P | A | P | P | P | P | P | P | P | A | P | P | P | | |
| 19 | Gomchale Ganesh Kamlakar | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | | |
| 20 | Gurme Supriya Yelba | P | A | P | P | P | P | P | P | P | P | P | P | P | A | P | | |
| 21 | Hajare Amruta Ashok | A | P | P | P | P | P | P | P | P | P | P | P | P | P | A | | |
| 22 | Hajare Amruta Babu | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | | |
| 23 | Halkude Pragati Uttreshwar | P | A | P | P | P | P | P | P | P | P | P | P | P | A | P | | |
| 24 | Hole Ajay Ramdasrao | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | | |
| 25 | Ingale Arvind Sudhir | P | P | P | A | P | P | P | P | P | P | A | P | P | P | P | | |
| 26 | Jogade Nikita Narayanrao | P | P | P | P | A | P | P | P | P | P | A | P | P | P | P | | |
| 27 | Kamble Shital Rohidas | P | P | P | P | P | A | P | P | P | A | P | P | P | P | P | | |
| 28 | Kasat Yash Kishorji | P | P | P | P | P | P | A | P | A | P | P | P | P | P | P | | |
| 29 | Khureshi Sameer Khajaminy | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | | |
| 30 | Kotalwar Dipti Balaji | P | P | P | P | P | P | A | P | A | P | P | P | P | P | P | | |
| 31 | Mamale Kalpana Balu | P | P | P | P | P | A | P | P | P | A | P | P | P | P | P | | |
| 32 | More Aishwarya Vinayakrao | P | P | P | P | A | P | P | P | P | P | A | P | P | P | P | | |
| 33 | Mule Ayaj Mohammadrafi | P | P | P | A | P | P | P | P | P | P | A | P | P | P | P | | |
| 34 | Munde Sneha Vishnu | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | | |
| 35 | Pathak Pooja Dilip | P | A | P | P | P | P | P | P | P | P | P | P | P | A | P | | |
| 37 | Patil Rutuja Vijaykumar | A | P | P | P | P | P | P | P | P | P | P | P | P | P | A | | |
| 38 | Patil Vrashali Vivekanand | P | A | P | P | P | P | P | P | P | P | P | P | P | A | P | | |
| 39 | Pawar Abhishek Satish | P | P | A | P | P | P | P | P | P | P | P | A | P | P | P | | |
| 40 | Raiphale Shriram Balaji | P | P | P | A | A | P | P | P | P | P | A | P | P | P | P | | |

| | | 21/9 | 31/9 | 4/9 | 5/9 | 6/9 | 7/9 | 8/9 | 9/9 | 10/9 | 11/9 | 12/9 | 13/9 | 14/9 | 15/9 | 16/9 | 17/9 | 18/9 | 19/9 |
|----|----------------------------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 41 | Rajmane Minakshi Kamalakar | A | P | P | P | P | P | P | P | P | P | A | A | P | A | P | | | |
| 42 | Sanap Shivam Dnyanoba | P | A | P | P | P | P | P | P | P | A | P | T | A | P | P | | | |
| 43 | Saudagar Madhuri Sanjay | P | P | A | P | P | P | P | P | A | P | P | P | P | A | P | | | |
| 44 | Shaikh Akhyar Akbar | P | P | P | A | P | P | P | A | P | P | P | P | P | P | P | | | |
| 45 | Shaikh Neha Naaz Riyaz | P | P | P | P | A | P | A | P | P | P | P | P | P | P | P | | | |
| 46 | Shendkar Shahaji Pandurang | P | P | P | P | P | A | P | P | P | P | P | A | P | P | A | | | |



Course Coordinator



Principal

PRINCIPAL

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SCHEDULE AND DETAILS OF TOPIC OF CERTIFICATE COURSE TABLET MANUFACTURING TECHNOLOGY

| Sr. No. | Date | Syllabus | Name of Faculty |
|---------|------------|--|-----------------|
| 1 | 02/09/2019 | Definition & Classification of Tablets | Mr. Sarda R R |
| 2 | 03/09/2019 | Ideal Properties | Mr. Sarda R R |
| 3 | 04/09/2019 | Advantages and Disadvantages | Mr. Sarda R R |
| 4 | 05/09/2019 | Excipients used in Tablets | Mr. Sarda R R |
| 5 | 06/09/2019 | Diluents, Binders | Mr. Sarda R R |
| 6 | 07/09/2019 | Lubricants, Antiadherents | Mr. Sarda R R |
| 7 | 09/09/2019 | Colours, Flavours, | Mr. Sarda R R |
| 8 | 10/09/2019 | sweetening agents, Disintegrants etc. with examples | Mr. Sarda R R |
| 9 | 11/09/2019 | Tablet Manufacturing techniques & Granulation | Mr. Sarda R R |
| 10 | 12/09/2019 | Direct Compression | Mr. Sarda R R |
| 11 | 13/09/2019 | granulation and its importance | Mr. Sarda R R |
| 12 | 14/09/2019 | dry granulation | Mr. Sarda R R |
| 13 | 16/09/2019 | wet granulation with mechanism | Mr. Sarda R R |
| 14 | 17/09/2019 | Compression | Mr. Sarda R R |
| 15 | 18/09/2019 | Compaction | Mr. Sarda R R |
| 16 | 19/09/2019 | Tablet Compression Machines | Mr. Sarda R R |
| 17 | 20/09/2019 | Single punch machine | Mr. Sarda R R |
| 18 | 21/09/2019 | multiple punch tablet machine | Mr. Sarda R R |
| 19 | 23/09/2019 | rotary tablet machine, tooling | Mr. Sarda R R |
| 20 | 24/09/2019 | Quality Control tests | Mr. Sarda R R |
| 21 | 25/9/2019 | Evaluation tests for tablet official & non-official | Mr. Sarda R R |
| 22 | 26/09/2019 | Weight variation, Shape, Size, Hardness, Friability, Content uniformity, | Mr. Sarda R R |

| | | | |
|----|------------|----------------------------------|---------------|
| 23 | 27/09/2019 | Disintegration, Dissolution | Mr. Sarda R R |
| 24 | 28/09/2019 | Tablet Defects & Remedies | Mr. Sarda R R |
| 25 | 30/09/2019 | Various defects in tablet | Mr. Sarda R R |
| 26 | 01/10/2019 | reason for defects | Mr. Sarda R R |
| 27 | 02/10/2019 | measures to overcome the defects | Mr. Sarda R R |
| 28 | 03/10/2019 | Capping, Cheeping | Mr. Sarda R R |
| 29 | 04/10/2019 | Lamination, Double impression | Mr. Sarda R R |
| 30 | 05/10/2019 | hardness variation | Mr. Sarda R R |



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FINAL EXAMINATION FOR CERTIFICATE COURSE ON TABLET MANUFACTURING TECHNOLOGY

Marks: 30 Duration: 60 Minutes

Date 19/10/2019

NOTE: All questions all compulsory

Each question carries equal marks (2)

1. An ingredient used to improve flow properties of granules into a die for compression during tablet formulation is a

A. Disintegrant B. Glidant C. Surfactant D. Lubricant

2. Sweeter aspartame has the main disadvantage

A. Carcinogenic B. Bitter after taste C. Hygroscopic nature D. All of these

3. Millard's reaction is related to

A. Diluent B. Disintegrant C. Binder D. Glidant

4. Dry granulation process is also known as

A. Mixing B. Slugging C. Drying D. None of these

5. Which of the following is a binder?

A. Agar B. Lactose C. Accacia D. Mannitol

6. Which is the stage where strength of granules at its highest?

A. Pendular B. Funicular C. Capillary D. Droplet

7. The following hardness tester is used for hardness testing

A. Monsanto B. Pfizer C. Erweka D. All of these

8. USP Basket apparatus is also known as

A. Type I B. Type II C. Type III D. Type IV

- A. Punching the tablet B. Guiding the movement of punches C. Ejection D. None of these
10. Tablets can be manufactured by
- A. Direct Compression B. Dry Granulation C. Wet Granulation D. All of these
11. CAP is a
- A. Film former B. Sugar coater C. Enteric Coating D. None of these
12. BB tooling is used for
- A. Smaller tablet B. Larger tablet C. Both A & B D. None of these
13. Friability of Tablet should be
- A. >1 B. $1 <$ C. 1-2 D. 0
14. Glidants and lubricants are added
- A. Initially B. During granulation C. Sieving D. Just before compression
15. Disintegration time for uncoated tablet is
- A. Less than 30 Mins. B. 5 Mins. C. 10 Mins. D. None of these



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MARKS OBTAINED BY STUDENTS IN FINALEXAMINATION OF CERTIFICATE COURSE ON TABLET MANUFACTURING TECHNOLOGY

Date of Examination: 10/09/2019

| Sr. No. | Name of Student | Marks obtained out of 30 |
|---------|------------------------------|-----------------------------|
| 1 | Anawade Geeta Anil | 24 |
| 2 | Basade Alisha Raheman | 26 |
| 3 | Bele Saraswati Hari | 26 |
| 4 | Bhise Satish Laxman | 24 |
| 5 | Bhosale Shital Rajesh | 22 |
| 6 | Bidri Swati Sanjay | 26 |
| 7 | Bulbule Ratik Ramesh | 26 |
| 8 | Chame Aditya Vyankatrao | 24 |
| 9 | Chandak Rushikesh Rajkumar | 26 |
| 10 | Chavan Kajal Narendra | 24 |
| 11 | Chopde Dnyaneshwari Ravindra | 26 |
| 12 | Dhepe Rajesh Rohidas | 24 |
| 13 | Dorle Shubhangi Bhaurao | 24 |
| 14 | Gaikwad Manjusha Devrao | 26 |
| 15 | Gaikwad Rutuja Udhav | 30 |
| 16 | Gogade Viresh Prabhakar | 28 |
| 17 | Golewar Prasad Devidas | 28 |
| 18 | Godbharle Amrut Namdev | 26 |
| 19 | Gomchale Ganesh Kamlakar | 28 |
| 20 | Gurme Supriya Yelba | 24 |
| 21 | Hajare Amruta Ashok | 26 |
| 22 | Hajare Amruta Babu | 28 |
| 23 | Halkude Pragati Uttreshwar | 24 |
| 24 | Hole Ajay Ramdasrao | 26 |
| 25 | Ingale Arvind Sudhir | 24 |
| 26 | Jogade Nikita Narayanrao | 26 |
| 27 | Kamble Shital Rohidas | 24 |
| 28 | Kasat Yash Kishorji | 26 |
| 29 | Khureshi Sameer Khajaminy | 24 |
| 30 | Kotalwar Dipti Balaji | 24 |
| 31 | Mamale Kalpana Balu | 26 |
| 32 | More Aishwarya Vinayakrao | 24 |
| 33 | Mule Ayaj Mohammadrafi | 26 |
| 34 | Munde Sneha Vishnu | 24 |
| 35 | Pathak Pooja Dilip | 26 |
| 37 | Patil Rutuja Vijaykumar | 26 |
| 38 | Patil Vrashali Vivekanand | 24 |
| 39 | Pawar Abhishek Satish | 24 |
| 40 | Raiphale Shriram Balaji | 26 |
| 41 | Rajmane Minakshi Kamalakar | 24 |
| 42 | Sanap Shivam Dnyanoba | 26 |
| 43 | Saudagar Madhuri Sanjay | 24 |
| 44 | Shaikh Akhyar Akbar | 26 |
| 45 | Shaikh Neha Naaz Riyaz | 26 |
| 46 | Shendkar Shahaji Pandurang | 26 |


Course Coordinator


Principal

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Dayanand Education Society's
Dayanand College of Pharmacy
LATUR-413531



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DAYANAND COLLEGE OF PHARMACY

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Website: www.dayanandpharmacy.org E-mail : dayanandpharmacy@rediffmail.com

DTE CODE -2156, PCI CODE- PCI-408 principaldcop@gmail.com

LIST OF STUDENTS COMPLETED CERTIFICATE COURSE ON TABLET MANUFACTURING TECHNOLOGY ACADEMIC YEAR 2019-20

| | |
|----|------------------------------|
| 1 | Anawade Geeta Anil |
| 2 | Basade Alisha Raheman |
| 3 | Bele Saraswati Hari |
| 4 | Bhise Satish Laxman |
| 5 | Bhosale Shital Rajesh |
| 6 | Bidri Swati Sanjay |
| 7 | Bulbule Ratik Ramesh |
| 8 | Chame Aditya Vyankatrao |
| 9 | Chandak Rushikesh Rajkumar |
| 10 | Chavan Kajal Narendra |
| 11 | Chopde Dnyaneshwari Ravindra |
| 12 | Dhepe Rajesh Rohidas |
| 13 | Dorle Shubhangi Bhaurao |
| 14 | Gaikwad Manjusha Devrao |
| 15 | Gaikwad Rutuja Udhav |
| 16 | Gogade Viresh Prabhakar |
| 17 | Golewar Prasad Devidas |
| 18 | Godbharle Amrut Namdev |
| 19 | Gomchale Ganesh Kamalakar |
| 20 | Gurme Supriya Yelba |
| 21 | Hajare Amruta Ashok |
| 22 | Hajare Amruta Babu |
| 23 | Halkude Pragati Uttreshwar |
| 24 | Hole Ajay Ramdasrao |
| 25 | Ingale Arvind Sudhir |
| 26 | Jogade Nikita Narayanrao |
| 27 | Kamble Shital Rohidas |
| 28 | Kasat Yash Kishorji |
| 29 | Khureshi Sameer Khajaminy |
| 30 | Kotalwar Dipti Balaji |
| 31 | Mamale Kalpana Balu |
| 32 | More Aishwarya Vinayakrao |
| 33 | Mule Ayaj Mohammadrafi |
| 34 | Munde Sneha Vishnu |
| 35 | Pathak Pooja Dilip |
| 37 | Patil Rutuja Vijaykumar |
| 38 | Patil Vrashali Vivekanand |
| 39 | Pawar Abhishek Satish |
| 40 | Raiphale Shriram Balaji |
| 41 | Rajmane Minakshi Kamalakar |
| 42 | Sanap Shivam Dnyanoba |
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| 44 | Shaikh Akhyar Akbar |
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| 46 | Shendkar Shahaji Pandurang |



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CERTIFICATE COURSE ON TABLET MANUFACTURING TECHNOLOGY

REGISTRATION FORM

Name of Student: Gaikwad Rutuja Udhav
Class: B-pharm (TI)
Email: 9421368610 rutujagaikwad899@gmail.com
City: Latur
Contact No.: 9421368610
Career Aim: Job

Undertaking: I hereby undertake that I shall attend the classes regularly without fail and participate in all activities conducted during sessions.

Gaikwad
Signature of Student

Joel
Course Co-ordinator

[Signature]
Principal
PRINCIPAL
Dayanand Education Society's
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CERTIFICATE COURSE ON TABLET MANUFACTURING TECHNOLOGY

FEEDBACK FORM

Name of Student: Graikwad Rutuja Udhav

Class: B-Pharm (II)

Phone No. 94213 68 61 0

Email: rutujagaikwad699@gmail.com

| Sr. No. | Parameters | Excellent | Very Good | Good | Average |
|---------|--|-----------|-----------|------|---------|
| 1 | Course objective were stated clearly | ✓ | | | |
| 2 | Participation & interaction were encouraged | | ✓ | | |
| 3 | Content was well organized and managed | | ✓ | | |
| 4 | Sufficient time was allotted for question answer session | ✓ | | | |
| 5 | The course increased my knowledge and skills | ✓ | | | |
| 6 | Course duration sufficient | ✓ | | | |
| 7 | Presentation was effective | ✓ | | | |

Suggestions if any: No

Graikwad
Signature



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DTE CODE -2156, PCI CODE- PCI-408 principaldcop@gmail.com

CERTIFICATE COURSE ON TABLET MANUFACTURING TECHNOLOGY

REGISTRATION FORM

Name of Student: Patil Vaishnaki Nivekanand

Class: B. Pharmacy (II)

Email: vaishalipatil2005@gmail.com

City: Latur

Contact No.: 8530965088

Career Aim: Job

Undertaking: I hereby undertake that I shall attend the classes regularly without fail and participate in all activities conducted during sessions.

Patil
Signature of Student

Patil
Course Co-ordinator

Patil
Principal
PRINCIPAL
Dayanand Education Society's
Dayanand College of Pharmacy
LATUR-413531



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CERTIFICATE COURSE ON TABLET MANUFACTURING TECHNOLOGY

FEEDBACK FORM

Name of Student: Patil Vrushali vivekanand

Class: B-Pharmacy (III)

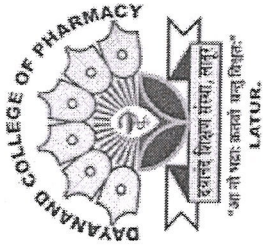
Phone No. Vrushalipatil2005@gmail.com 8530965088

Email: Vrushalipatil2005@gmail.com

| Sr. No. | Parameters | Excellent | Very Good | Good | Average |
|---------|--|-----------|-----------|------|---------|
| 1 | Course objective were stated clearly | ✓ | | | |
| 2 | Participation & interaction were encouraged | ✓ | | | |
| 3 | Content was well organized and managed | | ✓ | | |
| 4 | Sufficient time was allotted for question answer session | ✓ | | | |
| 5 | The course increased my knowledge and skills | ✓ | | | |
| 6 | Course duration sufficient | | ✓ | | |
| 7 | Presentation was effective | ✓ | | | |

Suggestions if any: _____

Passhati
Signature



Dayanand Education Society's

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principalcop@gmail.com

(Approved by PCI New Delhi, DTE Mumbai & Affiliated to S.R.T.M.U. Nanded & M.S.B.T.E.Mumbai)

CERTIFICATE OF PARTICIPATION

This is to certify Mr./ Ms. Caikwad Rutuja Bhdhar a student of Dayanand College of Pharmacy, Latur, studying in class B. Pharm II has successfully completed a Certificate Course on "Tablet Manufacturing Technology" from 02/09/2019 to 05/10/19.He / She secured A Grade in the course.

[Signature]

Course Co-Ordinator

[Signature]

Principal

[Signature]
Principal



Dayanand Education Society's

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principalcop@gmail.com

(Approved by PCI New Delhi, DTE Mumbai & Affiliated to S.R.T.M.U. Nanded & M.S.B.T.E.Mumbai)

CERTIFICATE OF PARTICIPATION

This is to certify Mr./ Ms. Palil Vairshali Vivekanand a
student of Dayanand College of Pharmacy, Latur, studying in class B.Pharm I has
successfully completed a Certificate Course on "Tablet Manufacturing Technology".
from 02/09/2019 to 05/10/2019. He / She secured A Grade in the course.

Course Co-Ordinator

02/09/2019

Principal