



# Gujarat Council of Vocational Training Gandhinagar



1. Name of Course:

Fundamentals of Agriculture

N.C.O. No. for Skills Covered:  
Please refer National Classification of  
Occupations -2004 available  
on www.dget.nic.in)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |

2. Engineering OR Non-engineering: Non-Engineering

3. No. of students per batch: 16

4. Duration in Hours. : 216 hours

5. Duration in Month: 3 month (18 hours per week)

5. Examination Scheme:

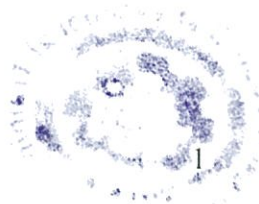
| No.       | Name of Subject                      | Teaching Hours during full course. | Maximum Marks. (Excluding Sessional) | Minimum Marks required for Passing (Excluding Sessional). | Sessional Marks if any. |
|-----------|--------------------------------------|------------------------------------|--------------------------------------|---|-------------------------|
| Subject-1 | Theory(to be conducted through viva) | 106                                | 100                                  | 40  | -                       |
| Subject-2 | Practical                            | 110                                | 100                                  | 60  | -                       |
|           | Extra Activities                     | -                                  | -                                    | -   | -                       |

7. Entry qualification for Trainee:

|  |                                     |
|--|-------------------------------------|
| Minimum entry qualification (Essential): | Open for all (Illiterate/ Literate) |
| Desirable:                               | 8th pass                            |

3. Minimum qualification for Trainer:

|                                    |   |
|------------------------------------|---|
| Minimum qualification (Essential): | Bachelor's degree in agriculture/ITI degree with 2 yrs exp./ person having relevant expertise in this area. |
| Desirable:                         | Agriculture expertise   |





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3. Syllabus Committee Member:

| Sr. No. | Name                    | Organization  | Designation   | Technical Qualification | Experience in Years | Signature |
|---------|-------------------------|---|---|-------------------------|---------------------|-----------|
| 1.      | Dr.K.J.Srivastava       | Ex.Joint Director, NHRF,Nasik                             | Advisor to Pidilite on Agriculture and Horticulture | PhD                     | 30                  |           |
| 2.      | Dr.Y.Trivedi            | Horticulture and Agriculture, Pidilite Industries Limited | Scientist   | PhD                     | 5                   |           |
| 3.      | Dr.P.K.Shukla           | Pidilite Industries Limited                               | Head-Special Projects                               | PhD                     | 20                  |           |
| 4.      | Sayere Das              | Pidilite Industries Limited                               | Program Executive                                   | PGDRM, IRMA             | 1.4                 |           |
| 5.      | Mr.Ajit Jadav           | Pidilite Industries Limited                               | CSR   | BSc.                    | 3                   |           |
| 6.      | Mr.Mahendra Singh Gohil | Pidilite Industries Limited                               | CSR   | BSc.                    | 7.5                 |           |





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**10. Terminal Skills of trainee:** (Should be well defined and having reference to NCO):

After the training, the trainee will be skilled under the 'Level I' classification according to the NCO-2004 available on [www.det.nic.in](http://www.det.nic.in)

After successful completion of training, the trainee will have following skills,

1. Improved knowledge on different types of soil and their nutrient content.
2. Improved knowledge on different types of crop growth and basics of sustainable agriculture.

11. Approximate cost of Tools  
/ Equipments / Machinery for  
Starting one batch of the course:

Rupees:  
Rs1328000/-

Reference Year

12. Area required for practical / Workshop for one batch.

1000 Sq. Meter

13. Minimum Power connection required

10 K.W.

14.1 No of items in Standard list of Machinery:

4

14.1.1. Page NO from 5 to 6.

14.2 No of items in Standard list of Shop outfit:

0

14.2.1. Page NO from     to    .

14.3 No of items in Standard list of Trainee Toll-Kit:

0

14.1.1. Page NO from 5 to 6.



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\*\*\*\*\* FOR OFFICIAL USE \*\*\*\*\*

Approved by GCVT in Governing Body meeting on

: 6-5-2016

Syllabus implemented w.e.f. admission session

: next session

Revision History :

1. Revision No..... Revision Date.
2. Revision No..... Revision Date.
3. Revision No..... Revision Date.





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Standard List of Machinery - Equipment / Shop-outfit / or Trainee Toolkit

For Trade of **Fundamentals of Agriculture**

| Sr. No. | Description of Item with detailed specifications | Item type i.e. Machinery / Equipment OR Shop Outfit OR Trainee Toolkit | Quantity Required per one Batch of Students | Quantity Required per one Batch of Students for Instructor | Total Quantity Required (Total of previous two columns) |
|---------|--|--|---|--|---|
| 1       | Leveller   | Machinery  |   | 1  | 1   |
| 2       | Fertilizer cum Seed Drill                        | Machinery  |   | 1  | 1   |
| 3       | Cultivator                                       | Machinery  |   | 1  | 1   |
| 4       | Sub Soiler                                       | Machinery  |   | 1  | 1   |

**List of Consumables for the Trade of Fundamentals of Agriculture**

| Sl. No. | Consumables  |
|---------|--------------|
| 1       | Seeds        |
| 2       | Fertilizers  |
| 3       | FYM          |
| 4       | Vermicompost |



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कौशलम् चलाम्  
all items

(As many sheets as required should be used to accommodate all items)

**GUJARAT COUNCIL OF VOCATIONAL TRAINING**  
**GANDHINAGAR**

Name of Syllabus: **Fundamentals of Agriculture**

Sector: **Agriculture**

Terminal Competency:

| Sr. No. | Theory  | Practical  |
|---------|---|--|
| 1       | Agriculture Science, Soil Science and definition of soil                                  | Soil sampling and testing                            |
| 2       | Components of soil  | Water testing  |
| 3       | Characteristics of soil   | Calculation of fertilizers based on soil test report |
| 4       | Nutrients available in soil and its role on the availability to the plants for its growth | Water Station  |
| 5       | Nutritional status of the soil and its productivity                                       |  |
| 6       | Kind of soils in Gujarat  |  |
| 7       | Crop growth   |  |
| 8       | Necessary inputs required for the growth of crops   |  |
| 9       | Fertilizers and nutrients   |  |
| 10      | Dry Land Fertilizers  |  |
| 11      | Sustainable Agriculture   |  |
| 12      | Contract Farming  |  |
| 13      | Economics of agriculture  |  |

**Soft Skills Training Sessions**

Training on soft skills, communication skills, basic etiquettes and good industry practice for team work would be taken up by the faculty along with the trade sessions at regular intervals and frequency.

Written Examination of the same is not necessary.

