

**F.E. Syllabus (Mumbai University) :** The revised First Year Engineering syllabus has following structure :

| No. | Subjects taught in F.E. (Revised Course : Effective from Academic Year 2024 - 2025) |   |                                        |   |
|-----|-------------------------------------------------------------------------------------|---|----------------------------------------|---|
|     | Sem. I                                                                              |   | Sem. II                                |   |
| 1   | Applied Mathematics I                                                               | ✓ | Applied Mathematics II                 | ✓ |
| 2   | Engineering Mechanics                                                               | ✓ | Engineering Graphics                   | ✓ |
| 3   | Basic Electrical & Electronics Engineering                                          | ✓ | Data Structure** (Program Core Course) | ✓ |
| 4   | C Programming                                                                       | ✓ | Python Programming                     | ✓ |
| 5   | Applied Physics                                                                     |   | Elective Physics                       |   |
| 6   | Applied Chemistry                                                                   |   | Elective Chemistry                     |   |
| 7   | Professional Communication and Ethics                                               |   |                                        |   |

Note : ✓ : Subjects taught at Vidyalankar.

## Online (Live & Interactive)

| <b>Online</b>                                                                                                                                                         | Subject    | Mechanics              | Maths I                | B.E.E.                 | C Programming          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------|------------------------|------------------------|------------------------|
|                                                                                                                                                                       | Days       | Every Thursday         | Every Tuesday          | Every Friday           | Every Monday           |
|                                                                                                                                                                       | Time       | 6:30 p.m. to 9:00 p.m. | 6:30 p.m. to 9:00 p.m. | 6:30 p.m. to 9:00 p.m. | 6:30 p.m. to 9:00 p.m. |
|                                                                                                                                                                       | Batch Code | 7031134                | 7011132                | 7051135                | 7101131                |
| All lectures in this batch will be conducted Online (Live & Interactive).<br>Login Credentials will be shared with all enrolled students before the batches commence. |            |                        |                        |                        |                        |

**Planning of our Course :** As you must be aware, University follows the semester pattern for all the years., i.e., the students who have just entered F.E. will face their FIRST University exam in month of Jan. 2027. [Their 2<sup>nd</sup> University exam (based on the 2<sup>nd</sup> term portion) will be in month of May 2027].

- (i) During the First term (i.e., Sept., Oct., Nov., Dec.), we will cover the subjects of the 1<sup>st</sup> semester.
- (ii) The subjects of the 2<sup>nd</sup> semester will be covered in the Second term (i.e., Jan., Feb., Mar., Apr.). The classes for the Second term will commence immediately after the Sem. I exam.

## Why Choose Us?

### ✓ Best Faculty in the Field

Learn from seasoned expert who simplify tough concepts and ensure your success.

### ✓ Structured Lesson Plan

Structured detailed Lesson Plan will be provided to all the students.

### ✓ Personal Doubt-Solving Sessions

Dedicated doubt-solving at the end of every lecture to clarify all your queries instantly.

### ✓ Live Lectures with Recordings

Can't attend a class? Don't worry. We provide recordings of all live lectures so that you never miss a concept and can revise at your convenience.

### ✓ Comprehensive Study Material

- **Notes** : Well-organized, concise notes covering critical concepts in each subject.
- **Graded Questions (GQ)** : Carefully selected practice questions graded by difficulty, designed to enhance problem-solving abilities.
- **Exam Questions (EQ)** : Module-wise, year-wise question compilations to help students prepare strategically for university exams.
- **Solutions to Past Exam Papers** : Detailed, step-by-step solutions to previous MU exam papers, enabling students to practice and master effective methods for answering a wide range of question types.

### ✓ Test-Based Reinforcement

- **Test Exam** : Topic wise test exam (home based) papers will be provided during the course. Model solutions will also be provided for all the Tests.
- **Preliminary Exam** : Papers will be provided at the end of the course. Model solutions also will be provided with all the papers.

### ✓ StudEase APP

- Study material will also be available on our **StudEase App** for students to learn on the go.
- This App can be downloaded easily from Play store. (Click : <https://bit.ly/3I3H1xx> or scan QR code)



**Office Timings** : 10 a.m. to 7 p.m. (every day, including Sunday)

#### Note:

- 1) Each batch is assigned a unique batch code. Please ensure that there is no discrepancy in the batch you have chosen and the batch code printed on your receipt. Batch Code for Sem. II (wherever applicable) will be automatically generated by the computer.
- 2) All the subjects will be completely covered well before the next university examination which will be held in Jan. 2027.
- 3) The dates, timings & duration given are tentative and we reserve the right to alter these.
- 4) **Student-On-Demand Batches** : Students may give a written request to our Center Co-ordinator in the prescribed form if they want Vidyalankar to offer batches for additional subjects like Applied Physics / Applied Chemistry or want batches at a schedule other than that mentioned in the prospectus.

- Fees:**
- Student may enroll for a Single subject and/or any no. of the following subjects pairs :
    - (I) Maths I (Sem. I) and Maths II (Sem. II)
    - (ii) Mechanics (Sem. I) and Graphics (Sem. II)
    - (iii) B.E.E. (Sem. I) and Data Str\*\* (Sem. II)
    - (iv) C Prog. (Sem. I) and Python Prog. (Sem. II)
  - \*\* : Refund will be given on a pro-rata basis to students who do not have the Data Structure in Sem. II.
  - Tuition fee for the entire course of any one subject is ₹ 17,000/-. But students who join for Subjects-Pairs will get concession and the applicable fee for our Subjects-Pairs will be as shown below.

| Packages                                                                            | Fees (in ₹) for                       |            |            |            |            |            |            |            | Effective Fees per Subject (in ₹) |
|-------------------------------------------------------------------------------------|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|-----------------------------------|
|                                                                                     | Subject 1                             | Subjects 2 | Subjects 3 | Subjects 4 | Subjects 5 | Subjects 6 | Subjects 7 | Subjects 8 |                                   |
| Single Subject                                                                      | 17,000                                |            |            |            |            |            |            |            | 17,000                            |
| <b>Package 1 : 2 Subjects</b><br>(1 Sub-Pair) i.e. One subject of each semester     | 32,000<br>(i.e. Saving of ₹ 2,000/-)  |            |            |            |            |            |            |            | 16,000                            |
| <b>Package 2 : 4 Subjects</b><br>(2 Sub-Pairs) i.e. Two subjects of each semester   | 60,000<br>(i.e. Saving of ₹ 8,000/-)  |            |            |            |            |            |            |            | 15,000                            |
| <b>Package 3 : 6 Subjects</b><br>(3 Sub-Pairs) i.e. Three subjects of each semester | 84,000<br>(i.e. Saving of ₹ 18,000/-) |            |            |            |            |            |            |            | 14,000                            |
| <b>Package 4 : 8 Subjects</b><br>(4 Sub-Pairs) i.e. Four subjects of each semester  | 96,000<br>(i.e. Saving of ₹ 40,000/-) |            |            |            |            |            |            |            | 12,000                            |

- Students opting for two or more subjects-pairs may either make a lumpsum payment (shown above) or pay in two installments as shown below : [Students who opt for the Installment Plan will have to pay the balance fees on or before 1<sup>st</sup> Dec. 2026]

| No. of Subject-Pairs                                              | One Subject-Pair<br>(i.e. 2 Subjects - One of Each semester) | Two Subject-Pairs<br>(i.e. 4 Subjects - Two of Each semester) | Three Subject-Pairs<br>(i.e. 6 Subjects - Three of Each semester) | Four Subject-Pairs<br>(i.e. 8 Subjects - Four of Each semester) |
|-------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------|
| Basic Fees (₹)                                                    | 32,000                                                       | 60,000                                                        | 84,000                                                            | 96,000                                                          |
| Additional Fees (for Installment Plan) (₹)                        | -                                                            | 1,000                                                         | 2,000                                                             | 3,000                                                           |
| Gross Fees (₹)                                                    | -                                                            | 61,000                                                        | 86,000                                                            | 99,000                                                          |
| 1 <sup>st</sup> Installment (₹)                                   | -                                                            | 42,700                                                        | 60,200                                                            | 69,300                                                          |
| 2 <sup>nd</sup> Installment on or before 1 <sup>st</sup> Dec. (₹) | -                                                            | 18,300                                                        | 25,800                                                            | 29,700                                                          |

**Note :** No one will be allowed to drop / change any subject at a later stage. However, one can add a subject / subject-pair(s) by paying the difference.

**Mode of Payment :** Online / Offline (Cash / UPI / Cheque)

**1. Online Payment :** For Online Payment Gateway, please click the link <https://shorturl.at/fjhSF> or else scan the QR Code



**2. Offline Payment :** Fees may also be paid in Cash or by UPI (Gpay, PhonePe, etc.) or by Local Cheque (Local Cheque will be accepted upto 5 days before the commencement of Classes). Cheque should be drawn in favour of 'Vidyalankar Classes & Publications'.

**Refund of Fees :** Fees once paid will not be refunded or adjusted under any circumstances (except in cases mentioned earlier. Please refer FAQs on page no. 4)

**Office Timings :** 10 a.m. to 7 p.m. (every day, including Sunday)

# Frequently Asked Questions (FAQs)

## 1) Is the First Year Engineering Syllabus common to all branches of Engineering ?

Yes. In Mumbai University, First year Engineering (F.E.) syllabus is common to all the branches.

## 2) What are the subjects in the first Year of Engineering ?

| No. | Subjects taught in F.E. (Revised Course : Effective from Academic Year 2024 - 2025) |                                        |
|-----|-------------------------------------------------------------------------------------|----------------------------------------|
|     | Sem. I                                                                              | Sem. II                                |
| 1   | Applied Mathematics I                                                               | Applied Mathematics II                 |
| 2   | Engineering Mechanics                                                               | Engineering Graphics                   |
| 3   | Basic Electrical & Electronics Engineering                                          | Data Structure** (Program Core Course) |
| 4   | C Programming                                                                       | Python Programming                     |
| 5   | Applied Physics                                                                     | Elective Physics                       |
| 6   | Applied Chemistry                                                                   | Elective Chemistry                     |
| 7   | Professional Communication and Ethics                                               |                                        |

## 3) Why is passing in First Year Engineering found difficult ?

There is a very very wide gulf between the environment of Std. XII and that of First Year of Engineering. Even the topmost students find this gulf quite shocking. In spite of a sincere and strong desire to work hard, one feels totally helpless in the midst of complete lack of clarity about what, how and when to study. The absence of advance preparation in the Summer vacation, the new burdens of manual work in the Workshops and submitting several journals within the almost impossible target dates, leaves hardly any time for study, assimilation and practice of the new and tough subjects. The inevitable result is that the innocent and naively confident student of Std. XII is suddenly thrown into a storm of confusion. This is quite evident from the fact that the First Year results are rarely above 35%. i.e. 2 of every 3 Students get a KT (i.e. fail)

## 4) Why I need good pointer in Engineering ?

Good Grade pointer (8+) right from the first semester will open the door for a better career - be it Placement in Top Companies or Higher Studies in World Class Universities/ Institutes.

Good academic performance starting right from the first year therefore becomes a critical requirement.

## -: Our Centers :-

|         |                  |                                                                                                           |                               |
|---------|------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------|
| City    | <b>DADAR</b>     | Vidyalankar House, 1st Lane, Hindu Colony, Dadar (E)                                                      | Tel.: 4232 12 00 / 2418 55 86 |
|         | <b>GHATKOPAR</b> | 4 <sup>th</sup> Flr, Khodal Chamber, Beside Vodafone Gallery, Patel Chowk, R.B.Mehta Marg, Ghatkopar (E). | Tel.: 4232 24 00 / 2102 42 32 |
|         | <b>CHEMBUR</b>   | Vidyalankar Bhavan, M.D.S. Marg, Next to Grand Central Hotel, Chembur (E).                                | Tel.: 2528 31 52 / 62         |
| Western | <b>ANDHERI</b>   | 2 <sup>nd</sup> Flr., B.E.S.T. Commercial Complex, Andheri (W).                                           | Tel.: 4232 14 00 / 4617 01 70 |
|         | <b>KANDIVALI</b> | 5, SVIT Land, Opp. V Mall Thakur Complex, Asha Nagar Road. Kandivali (E).                                 | Tel.: 2870 42 31 / 32         |
|         | <b>BORIVALI</b>  | 3 <sup>rd</sup> Flr., Landmark Bldg, Next to Ganjawala Petrol Pump, SV Road, Borivali (W).                | Tel.: 4232 15 00 / 2893 42 32 |
| Central | <b>THANE</b>     | 3 <sup>rd</sup> Flr., Bhagyavridhi Bldg., Naik Wadi, Behind Alok Restaurant, Gokhale Rd, Thane(W).        | Tel.: 4617 01 74              |
|         | <b>KALYAN</b>    | 2 <sup>nd</sup> Flr., A Wing, Sarvoday Villa, Next to Gurudev Hotel, Kalyan Shil Road, Kalyan (W).        | Tel.: 0251-2201870 / 80       |
| Harbour | <b>VASHI</b>     | 3 <sup>rd</sup> Flr., 54 Mahavir Centre, Above Golden Punjab Hotel, Sector 17, Vashi.                     | Tel.: 4173 32 00 / 2789 31 85 |
|         | <b>NERUL</b>     | 2 <sup>nd</sup> Flr., Shiv Parvati, Opp. Nerul Station, Sector 21, Nerul (E).                             | Tel.: 2770 76 95 / 2770 26 42 |
|         | <b>PANVEL</b>    | 1 <sup>st</sup> Flr., Neel Impress Building, Above HDFC Bank, HDFC circle, Sector 1-S, New Panvel.        | Tel.: 2745 42 32 / 2746 99 66 |

## Some of our Students with Aggregate Grade Point 10/10



**Gayatri Vaidya**  
VESIT



**Aradhya B.**  
RGIT



**Ayush Panigrahi**  
A. P. Shah



**Shreya Pawar**  
Shah & Anchor



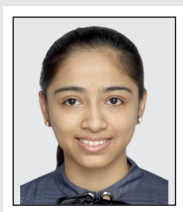
**Sahil Kuware**  
PVPP



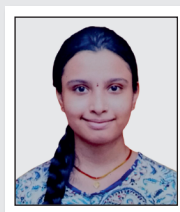
**Sraina Panchangam**  
Don Bosco IoT



**Anushka Shinde**  
SIES



**Riddhi Gori**  
K. J. Somaiya



**Protibha Karmakar**  
Indira Gandhi CoE



**Gayatri Gunjal**  
RGIT



**Manali Patil**  
VESIT



**Sakshi Tambe**  
RGIT



**Omkar Patil**  
VIT

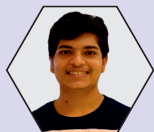


**Ayush Tiwari**  
SIES



**Esha Nemani**  
TSEC

## What our Toppers Say...



**Pranav Rane**  
VESIT

*"I had joined Vidyalankar Classes for First Year Engineering and it turned out to be the best decision. Through regular lectures, doubt solving and also tests conducted during the classroom, I have been able to not only ace my Semester exams with a 10/10 aggregate, but also have been able to get a grip on the concepts. I thank all the teachers and staff members for enabling me to top in my College."*

*"Hello all! I scored a 10/10 aggregate in my First Year Engineering, all thanks to Vidyalankar Classes. In the beginning of the year, I was a bit worried as all of the Engineering subjects were completely new. But, with consistent efforts from the professors, I gathered some confidence and started performing. I was elated when my scores came out."*



**Isha Desai**  
SIES



**Dakshata Nirbhawane**  
Shah & Anchor

*"Learning in Vidyalankar is incredible. The proper guidance of highly skilled professors, excellent notes and paper solution helped me a lot in my studies. Regularly conducted tests helped me to analyze my progress."*

& many more...

## Some of our Mechanics Students with Grade Point 10/10



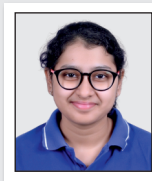
**Chetan Pilane**  
VESIT



**Zaid Ahmed**  
Atharva CoE



**Gayatri Vaidya**  
VESIT



**Ishani Bhadlikar**  
D.J.Sanghvi



**Bilal Shaikh**  
PVPP



**Sakshi Kale**  
Lokmanya Tilak CoE



**Dakshata Nirbhawane**  
Shah & Anchor



**Sakshi Pawar**  
Xavier



**Sahil Kuware**  
PVPP



**Sraina Panchangam**  
Don Bosco IoT



**Anushka Shinde**  
SIES



**Sameehan Joshi**  
SIES



**Gayatri Gunjal**  
RGIT



**Bushra Shaikh**  
Terna



**Isha Desai**  
SIES



**Aditya Birje**  
RGIT



**Sakshi Tambe**  
RGIT



**Shivam Shelke**  
MHSS



**Sarvesh Shinde**  
SIES



**Omkar Patil**  
VIT



**Sushant Gholap**  
PVPP



**Srishti Nayal**  
RGIT



**Atharva Gajaks**  
PVPP



**Sakshi Salunkhe**  
SIES



**Anushka Shirode**  
VESIT



**Darshan Langhi**  
VIT



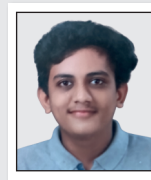
**Sania Pimple**  
Atharva CoE



**Harsh Sawant**  
PVPP



**Ayush Tiwari**  
SIES



**Prasad Pathak**  
St.Francis IoT



**Vikrant Patil**  
PVPP



**Chinmay Regade**  
Bharati Vidyapeeth



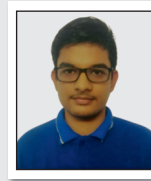
**Aiman Kulay**  
Rizvi CoE



**Mangesh Pangam**  
Xavier



**Sourav Sarkar**  
L.R.Tiwari CoE



**Atharva Parab**  
St.Francis IoT

& many more...

## Some of our Maths I Students with Grade Point 10/10



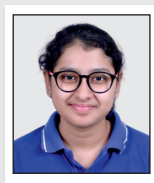
**Chetan Pilane**  
VESIT



**Zaid Ahmed**  
Atharva CoE



**Gayatri Vaidya**  
VESIT



**Ishani Bhadlikar**  
D. J. Sanghvi



**Bilal Shaikh**  
PVPP



**Sakshi Kale**  
Lokmanya Tilak CoE



**Dakshata Nirbhawane**  
Shah & Anchor



**Sakshi Pawar**  
Xavier



**Sahil Kuware**  
PVPP



**Sraina Panchangam**  
Don Bosco IoT



**Anushka Shinde**  
SIES



**Sameehan Joshi**  
SIES



**Gayatri Gunjal**  
RGIT



**Bushra Shaikh**  
Terna



**Isha Desai**  
SIES



**Aditya Birje**  
RGIT



**Sakshi Tambe**  
RGIT



**Shivam Shelke**  
MHSS

& many more...

## Some of our B.E.E. Students with Grade Point 10/10



**Chetan Pilane**  
VESIT



**Zaid Ahmed**  
Atharva CoE



**Gayatri Vaidya**  
VESIT



**Bilal Shaikh**  
PVPP



**Dakshata Nirbhawane**  
Shah & Anchor



**Hrishikesh Mahajan**  
VIT



**Sakshi Pawar**  
Xavier



**Sahil Kuware**  
PVPP



**Sraina Panchangam**  
Don Bosco IoT



**Anushka Shinde**  
SIES



**Sameehan Joshi**  
SIES



**Gayatri Gunjal**  
RGIT



**Bushra Shaikh**  
Terna



**Isha Desai**  
SIES



**Aditya Birje**  
RGIT



**Sakshi Tambe**  
RGIT



**Sarvesh Shinde**  
SIES



**Omkar Patil**  
VIT

& many more...