

All the B.Tech. II year students [B.Tech. R22 Academic Regulations] are hereby informed that they can **opt for pursuing B.Tech. Degree with Minor in Emerging Areas** in the academic year 2024-2025. Details of Minor programs offered and eligibility conditions are given below:

<table>
<thead>
<tr>
<th>Name of B.Tech. Minor Program</th>
<th>Eligible B.Tech. Branches</th>
<th>Award of Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artificial Intelligence &amp; Machine Learning</td>
<td>CE, EEE, ME, ECE, EIE, AE</td>
<td>B.Tech. in Branch Name with Minor in Artificial Intelligence &amp; Machine Learning</td>
</tr>
<tr>
<td>Cyber Security</td>
<td>CE, EEE, ME, ECE, EIE, AE</td>
<td>B.Tech. in Branch Name with Minor in Cyber Security</td>
</tr>
<tr>
<td>Data Science</td>
<td>CE, EEE, ME, ECE, EIE, AE</td>
<td>B.Tech. in Branch Name with Minor in Data Science</td>
</tr>
<tr>
<td>Internet of Things (IOT)</td>
<td>CE, EEE, ME, AE</td>
<td>B.Tech. in Branch Name with Minor in IOT</td>
</tr>
<tr>
<td>Innovation and Entrepreneurship</td>
<td>CE, EEE, ME, ECE, CSE, CS8, CSE (DS), CSE(AIML), CSE(IOT), CSE(CyS), EIE, IT, AE</td>
<td>B.Tech. in Branch Name with Minor in Innovation and Entrepreneurship</td>
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</tbody>
</table>

**Salient Features:**
- Offered from the academic year 2024-2025 onwards.
- Student shall secure **additional 18 credits (over and above 160 credits)** for the regular B.Tech. degree during **III year and IV year only**
- Upon securing additional 18 credits successfully, student shall be awarded Bachelor of Technology in particular branch with Minor in specified program

**Ex: B.Tech. in Mechanical Engineering with Minor in Data Science**

- If a student is unable to secure additional 18 credits in a specified duration (twice the duration of the course), then the student shall not be awarded Minor degree. However, if the student earns all the required 160 credits of B.Tech. regular degree program, then student shall be awarded B.Tech. degree only in the concerned branch.
- Weekly instruction hours, internal & external evaluation and award of grades are on par with regular 4-Year B.Tech. degree program.
- No transfer of credits from courses of Minor program to regular B. Tech. degree
& vice versa.

- Student can choose only one Minor program along with his/her basic engineering degree.
- Student opting for Minor program is not eligible to choose Honors degree and vice-versa.

- **Eligibility Conditions:**
  - Students pursuing their V semester (III year I semester) during the academic year 2024-2025 if they fulfill the eligibility criteria i.e., No Active Backlogs till III semester (II year I semester) at the time of entering into V semester (III year I semester).
  - If more than 50% of the students in a branch fulfill the eligibility criteria (as stated above), the number of eligible students shall be limited to 50% based on the CGPA criteria.
  - Prior approval of mentor and Head of the Department for the enrolment into Minor program before commencement of V semester (III year I semester) is mandatory.
  - Courses opted must be from the prescribed list as given in the Minor degree course structure and also not studied/registered in the regular B.Tech. program.

- **Registration Fee:**
  - Rs. 1000 per one credit

<table>
<thead>
<tr>
<th>Minor</th>
<th>AIML</th>
<th>DS</th>
<th>IOT</th>
<th>CYS</th>
<th>I&amp;E</th>
</tr>
</thead>
<tbody>
<tr>
<td>V Sem</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
</tr>
<tr>
<td>VI Sem</td>
<td>4,000</td>
<td>4,000</td>
<td>6,000</td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td>VII Sem</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
</tr>
<tr>
<td>VIII Sem</td>
<td>5,000</td>
<td>5,000</td>
<td>3,000</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>TOTAL</td>
<td>18,000</td>
<td>18,000</td>
<td>18,000</td>
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</table>

Course structure and curriculum of the B.Tech. Minor programs is available in the Institute Website and can be accessed through the following web link: [https://vnrvijet.ac.in/syllabus-books/](https://vnrvijet.ac.in/syllabus-books/)

Academic calendar of B.Tech. III year for the academic year 2024-2025 shall be applicable for course work of B.Tech. Minor programs. Classes of B.Tech. Minor programs shall be held after the regular class work timings.

All the B.Tech. II year students desirous of pursuing B.Tech. degree with Minor in Emerging Area, subjected to fulfillment of eligibility criteria, are hereby informed to apply for the same to the respective HoDs through faculty mentor on or before 29.06.2024.

HoDs are requested to send the consolidated data to the Academic Section on or before 05.07.2024.

**Note:** Minor degree and open elective track pursued by a student cannot be same i.e., while giving options students should make sure that Open Elective Track and Minor Domains are not the same.

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Dr. K. Anuradha  
Deakin Academic  

Dr. C. D. Naidu  
Principal  
VNR Vignana Jyothi Institute of  
Engineering & Technology  
Bachupally, Nizampet (S.O.),  
Hyderabad - 500 080.
APPLICATION PROFORMA FOR MINOR DEGREE

<table>
<thead>
<tr>
<th>H. T. No:</th>
<th>Paste Photograph</th>
</tr>
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</table>

1. Name of the Candidate : 
2. Local Address : 
3. Mobile Number : 
4. Email - ID : 
5. Major Degree : B.Tech. ( )
6. Academic Regulation: : 
7. CGPA (Upto III Semester) : 
8. Please tick any one Minor specialization that you would like to pursue:
   - Artificial Intelligence & Machine Learning
   - Internet of Things
   - Data Science
   - Innovation & Entrepreneurship
   - Cyber Security

SIGNATURE OF CANDIDATE Date: 
SIGNATURE OF MENTOR SIGNATURE OF HOD