

**PART A**

**Evaluator's Visit Report**

**Undergraduate Engineering Program**

**Tier-II**

**Name of the Institution**

Vidya Jyothi Institute of Technology, Hyderabad

**Name of the Program**

UG. CIVIL ENGINEERING

**Visit Dates**

March 20-21, 2021

## Program Evaluator Summary

### Overview

The Expert team of National Board of Accreditation (NBA) conducted a three day accreditation visit from 20.3.21 to 21.3.21 Vidya Jyothi Institute of Technology to evaluate UG Engineering program CIVIL ENGINEERING.

Pre visit meeting of the expert tea was held on at 19.3.21 at 8:30 pm to exchange the respective findings with the evaluation team members, based on review of Self- Assessment Report (SAR) and the pre-visit evaluation reports.

During the visit, the visiting team met with Head of the Institution/Dean DR A. PADMAJA. The briefing on the institution was given by DR A. PADMAJA and on the program was given by the DR PALLAVI BADRY Program Coordinator. The respective program evaluators also visited the various facilities of the program. Apart from comprehensive review of documental evidences pertaining to various accreditation criteria, the visiting team also held meeting and discussions with the following stakeholders (kindly tick).

Faculty	<input checked="" type="checkbox"/>	Alumni	<input checked="" type="checkbox"/>
Employers	<input checked="" type="checkbox"/>	Parents	<input checked="" type="checkbox"/>
Staff members	<input checked="" type="checkbox"/>	Students	<input checked="" type="checkbox"/>

The Program Evaluation Team found that (general findings about the program to be mentioned)

1. Departmental facilities are satisfactory
2. Labs are well equipped, supporting staffs are qualified and knowledgeable.
3. Class rooms, toilet facilities, teachers facilities are satisfactory
4. All the files regarding supporting documents for verification are well kept and managed.

### Program Details

<b>Name of the Program:</b> UG CIVIL ENGINEERING					
<b>Year of Commencement</b>	1998				
<b>Student</b>	Year	Sanctioned Intake	Actual Admitted (without Lateral Entry)		
	CAY (2019 - 2020)	120	89		
	CAY m1 (2018 - 2019)	120	111		
	CAY m2 (2017 - 2018)	120	120		
	Total Students in the Programme 1 <sup>st</sup> to Final Year	524 (including lateral entry) Lateral entry: 84			
Average of CAY, CAYm1 and CAYm2	126.66 (including lateral entry)				
<b>Faculty</b> (Attach a Copy of faculty list compared with Time Table)	<b>Regular</b>		CAY	CAYm1	CAYm2
		Professor	04	04	04
		Associate professor	01	01	—
	Assistant professor	25	24	23	
	<b>Contractual</b>	Professor	—	—	—
		Associate professor	—	—	—
		Assistant professor	—	—	—
	No. of PhD. available in the dept.		05	05	04
	Student - Faculty ratio (average of CAY, CAYm1 and CAYm2 (Refer criteria-5.1))	16.81			
	<b>Previous accreditation( if any)</b>	<b>First accreditation</b>	No. of years accredited for		
With effect from					
<b>Previous accreditation</b>		No. of years accredited for	NIL		
		With effect from			

CAY: Current Academic Year

CAYm1: Current Academic Year minus 1= Current Assessment year

CAYm2: Current Academic Year minus 2= Current Assessment year minus 1

**Note: Consideration of Contractual Faculty means:**

- All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Faculty Student Ratio. However, following will be ensured in case of contractual faculty:

- *Faculty to be calculated Department wise as per the format given in SAR; Faculty appointment letters, time table, subject allocation, salary statements and random interaction in person.*
- *No. of students calculation as mentioned in the SAR (please refer table under criterion 3.1)*
- *Faculty Qualification as per AICTE guidelines shall only be counted*

## Explicit observations about the program

(Please use additional sheets if necessary to elaborate)

Program title UG ENGINEERING PROGRAM (CIVIL ENGINEERING) TIER-II

### Strengths:

1. Labs are well equipped, supporting staffs are qualified and knowledgeable
2. Faculty staffs are well qualified, sincere and punctual and sincere regarding non-performing students.
3. Departmental facilities are satisfactory e.g. class rooms, toilets, teachers facilities, departmental library etc.
4. Computer facilities are adequate, license software, training facilities, models for teaching are satisfactory
5. Summer training, workshop/conferences attendance by teachers and students are satisfactory.

### Weakness/Areas of improvement:

1. Suggest to add one or two experiments in structure lab, survey lab, like total station supported by software.
2. suggested for varying type of projects must be floated by each teacher for the choice of students. Also students
3. interest in the particular field must be respected.
4. Departmental library should be more strengthened.
5. As master course in structural engineering is going on, try to get atleast servo shake table for dynamic labs for students.

**Deficiencies:** No

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**Other Observations, if any:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

## **Information for Evaluation**

### **Award of Accreditation (TIER II (UG))**

- 1. Accreditation for Six years will be accorded to a program on fulfilment of the following requirements:**
  - i. Program should score a minimum of 750 points in aggregate out of 1000 points with minimum score of 60 per cent in mandatory fields (i.e. criteria 4 to 6)
  - ii. Number of available Ph.D. in the department should be greater than or equal to 30 per cent of the required number of faculty, averaged over two academic years i.e. Current Academic Year (CAY) and Current Academic Year Minus One (CAYM1).
  - iii. The admissions in the UG program under consideration should be more than or equal to 75 per cent and admissions at the overall institutional level should be more than or equal to 50 per cent, averaged over three academic years i.e. Current Academic Year (CAY), Current Academic Year Minus One (CAYM1) and Current Academic Year Minus Two (CAYM2).
  - iv. Faculty Student Ratio in the department should be less than or equal to 1:15, averaged over three academic years i.e. Current Academic Year (CAY), Current Academic Year Minus One (CAYM1) and Current Academic Year Minus Two (CAYM2).
  - v. At least 2 Professors or 1 Professor and 1 Associate Professor on regular basis with Ph.D. degree should be available in the respective department for two academic years i.e. Current Academic Year (CAY) and Current Academic Year Minus One (CAYM1).
  - vi. HOD of the program under consideration possesses Ph.D. degree in the Current Academic Year (CAY).
  
- 2. Accreditation for Three years will be accorded to a program on fulfilment of the following requirements:**
  - i. Program should score a minimum of 600 points with atleast 40 per cent marks in Criterion V (Faculty Information and Contributions).
  - ii. The admissions in the UG program under consideration should be more than or equal to 50 per cent and admissions at the overall institutional level should be more than or equal to 50 per cent, averaged over three academic years i.e. Current Academic Year (CAY), Current Academic Year Minus One (CAYM1) and Current Academic Year Minus Two (CAYM2).
  - iii. At least one Professor or one Associate Professor on regular basis with Ph.D. degree is available in the respective department for two academic years i.e. Current Academic Year (CAY) and Current Academic Year Minus One (CAYM1).
  - iv. The faculty student ratio in the department under consideration should be less than or equal to 1:25, averaged over three academic years i.e. Current Academic Year

(CAY), Current Academic Year Minus One (CAYM1) and Current Academic Year Minus Two (CAYM2).

- v. Number of Ph.D. available in the department should be greater than or equal to 10 per cent of the required number of faculty, averaged over two academic years i.e. Current Academic Year (CAY) and Current Academic Year Minus One (CAYM1).


**No Accreditation of the program**

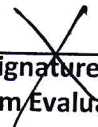
If the program fails to meet the criteria for award of accreditation for three years, it is awarded "Not Accredited" Status



**Department/Programme Specific Criteria:**

S.no.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	60	41	
2.	Program Curriculum and Teaching-Learning Processes	120	83	
3.	Course Outcomes and Program Outcomes	120	89	
4.	Students' Performance	150	105	
5.	Faculty Information and Contributions	200	151	
6.	Facilities and Technical Support	80	60	
7.	Continuous Improvement	50	39	
<b>TOTAL</b>		780	568	

  
\_\_\_\_\_  
Signature  
(Program Evaluator 1)

  
\_\_\_\_\_  
Signature  
(Program Evaluator 2)

***Declaration of Conformity with evaluator's report by the Team Chair***

I agree with the observations of the program evaluators on each criterion.

Or

I agree with most of the observations of the program evaluators. However, I have following comments to make on certain criteria:

Criteria	Comments

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**Signature  
(Chairperson)**

## Part B-Program Assessment Worksheet

### Program Level Criteria - To be Assessed by Evaluator

Name of the Institution NIDYA TIRTHI INSTITUTE OF TECHNOLOGY  
 Name of the Program CIVIL ENGINEERING (UG)

Sub Criteria	Max. Marks	Evaluation Guidelines (Marks)	Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
			Marks	Total		
Define the Vision and Mission of the Department and Institute	5	A. Availability of statements of the Departments (1) B. Appropriateness/Relevance of the Statements (2) C. Consistency of the Department statements with the Institute statements (2)	1 2 1	04	Overall Marks for 1.1	
Define the Program Educational Objectives (PEOs)	5	Program Educational Objectives (3 to 5) (5) Appropriateness		04	Overall Marks for 1.2	
Describe where and how the Vision, Mission and PEOs are published and disseminated among stakeholders	10	A. Adequacy in respect of publication & dissemination (2) B. Process of dissemination among stakeholders (2) C. Extent of awareness of Vision, Mission & PEOs among the stakeholder (6)	2 2 4	08	Overall Marks for 1.3	
Describe the process for defining the Vision and Mission of the Department, and PEOs of the program	25	A. Description of process for defining the Vision, Mission of the Department (10) B. Description of process for defining the PEOs of the program (15)	7 8	15	Overall Marks for 1.4	
Establish consistency of PEOs with Vision of the Department	15	A. Preparation of a matrix of PEOs and elements of Mission statement (5) B. Consistency/Justification of co-relation parameters of the above matrix (10)	04 06	10	Overall Marks for 1.5	
<b>Criterion 1:</b>	<b>60</b>				<b>Overall Marks for Criterion 1:</b>	<b>41</b>

Program Curriculum and Teaching – Learning Processes (120)

Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
			Marks	Total		
Program Curriculum	20					
Describe the process used to identify extent of compliance of the university curriculum for attaining Program Outcomes (POs) & Program Specific Outcomes (PSOs), mention the identified curricular gaps, if any	10	A. Process used to identify extent of compliance of University curriculum for attaining POs & PSOs (6) B. List the curricular gaps for the attainment of defined POs & PSOs (4)	04 03	07	Overall Marks for 2.1	
Describe the delivery details of the content beyond the syllabus for the attainment of POs & PSOs	10	A. Steps taken to get identified gaps included in the curriculum.(letter to university/BOS) (2) B. Delivery details of content beyond syllabus (5) C. Mapping of content beyond syllabus with the POs & PSOs (3)	2 3 2	07		
Describe the Process followed to ensure quality of Teaching Learning	25	A. Adherence to Academic Calendar (3) B. Use of various instructional methods and pedagogical initiatives (3) C. Methodologies to support weak students and encourage bright students(4) D. Quality of classroom teaching (Observation in a Class) (3) E. Conduct of experiments (Observation in Lab )(3) F. Continuous Assessment in the laboratory (3) G. Student feedback on teaching learning process and actions taken (6) A. Process for internal semester question paper setting, evaluation and effective process implementation (5) B. Process to ensure questions from outcomes/learning levels perspective (5) C. Evidence of COs coverage in class test / mid-term tests (5) D. Quality of Assignment and its relevance to COs (5)	3 2 2 3 3 2 3 4 4 4 3	18 15		

Quality of student projects	25	A. Identification of projects and allocation methodology to Faculty (3)	2	16	
		B. Types and relevance of the projects and their contribution towards attainment of POs and PSOs(5)	3		
		C. Process for monitoring and evaluation (5)	3		
		D. Process to assess individual and team performance(5)	3		
		E. Quality of completed projects/working prototypes (5)	3		
		F. Evidences of papers published /Awards received by projects etc. (2)	2		
		A. Industry supported laboratories (5)	2		
Initiatives related to industry interaction	15	B. Industry involvement in the program design and partial delivery of any regular courses for students (5)	3	08	
		C. Impact analysis of industry institute interaction and actions taken thereof (5)	3		
		A. Industrial training/tours for students (3)	3		
Initiatives related to industry internship/summer training	15	B. Industrial /internship /summer training of more than two weeks and post training Assessment (4)	3	12	
		C. Impact analysis of industrial training (4)	3		
		D. Student feedback on initiative (4)	3		
Criterion 2:	120	Overall Marks for Criterion 2:			83

n 3: Course Outcomes and Program Outcomes (120)

Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
			Marks	Total		
Establish the correlation between the courses and the POs & PSOs	20					
Course Outcomes	5	Evidence of COs being defined for every course (5)	5		Overall Marks for 3.1	
CO-PO/PSOs matrices of courses elected in 3.1.1 (six matrices)	5	Explanation of :able to be ascertained (5)	5	18		
Program level Course-FO/PSOs matrix of ALL courses including first year courses	10	Explanation of tables to be ascertained (10)	8			
Attainment of Course Outcomes	50				Overall Marks for 3.2	
Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is used	10	A. List of assessment processes (2)	2			
		B. The quality /relevance of assessment processes & tools used (8)	6	08		
Record the attainment of Course outcomes of all courses with respect to set attainment levels	40	Verify the attainment levels as per the benchmark set for all courses (40)	25	25		
Attainment of Program Outcomes	50				Overall Marks for 3.3	
Describe assessment tools and processes used for assessing the attainment of each of the POs & PSOs	10	A. List of assessment tools & processes (5)	4			
		B. The quality/relevance of assessment tools/processes used (5)	4	08		
Provide results of evaluation of each & PSO	40	A. Verification of documents, results and level of attainment of each PO/PSO (24)	18			
		B. Overall levels of attainment (16 )	12	30		
Criterion 3:	120				Overall Marks for Criterion 3:	89

Students' Performance (150)

Sub-Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
			Marks	Total		
Enrollment Ratio (20)	20	<p>A. &gt;= 90% students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year (20)</p> <p>B. &gt;= 80% students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year (18)</p> <p>C. &gt;= 70% students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year (16)</p> <p>D. &gt;= 60% students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year (14)</p> <p>E. &gt;= 50% students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year (12)</p> <p>F. Otherwise '0'.</p>	18	18	18	<p>Average</p> $= \frac{ER_1 + ER_2 + ER_3}{3}$ $= \frac{74.17 + 92.5 + 100}{3}$ $= 88.89$
Success Rate in the stipulated period in the program	40					
Success rate without backlogs in any semester/year of study	25	<p>SI= (Number of students who graduated from the program without backlog)/(Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry and separate division, if applicable)</p> <p>Average SI = Mean of success index (SI) for past three batches</p> <p>Success rate without backlogs in any year of study = 25 x Average SI</p>	23.6	23.6	13.75	<p>SI</p> $= \frac{S_{11} + S_{12} + S_{13} + S_{14}}{4}$ <p>NSI* Avg SI</p> <p>Mention Numbers</p> $= 13.75$
Success rate in stipulated period (total duration of the program) (all of with backlog + without backlog)	15	<p>SI= (Number of students who graduated from the program in the stipulated period of course duration)/(Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry and separate division, if applicable)</p> <p>Average SI = mean of success index (SI) for past three batches</p> <p>Success rate = 15 x Average SI</p> <p>Academic Performance = 1.5 * Average API (Academic Performance Index)</p>	10.35	10.35	10.35	<p>15 * Avg SI</p> $= 15 \times 0.685$ <p>Mention Numbers</p> $= 10.35$
Academic Performance in Third Year	15	<p>API = ((Mean of 3rd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Third Year/10)) x (successful students/number of students appeared in the examination)</p> <p>Successful students are those who are permitted to proceed to the final year</p>	10.56	10.56	10.56	<p>API =</p> $= \frac{AR_1 + AR_2 + AR_3 + AR_4}{4}$ $= \frac{6.67 + 17.21 + 16.97}{3}$ $= 7.045$ <p>Mention Numbers</p> <p>Avg API</p> $= 1.5 * 7.045 = 10.56$

<p>Academic Performance in Second Year</p>	<p>15</p>	<p>Academic Performance Level = 1.5 * Average API (Academic Performance Index)                  API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful student sin Second Year/10)) x (successful students/number of students appeared in the examination)</p>	<p>9.735  <del>10.56</del>                  9.735</p>	<p>9.735  <del>10.56</del>                  9.735</p>	<p>9.735                  Overall Mark for 4.4</p>	<p> <math display="block">\text{Avg API} = 6.49</math> <math display="block">1.5 * \text{Avg API} = 9.735</math> </p>
<p>Placement, Higher studies and entrepreneurship</p>	<p>40</p>	<p>Assessment Points = 40 x average of three years of [(x + y + z)/N]                  where, x = Number of students placed in companies or Government sector through on/off campus recruitment,                  y = Number of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National level tests, GRE, GMAT etc.),                  z = No. of students turned entrepreneur in engineering/technology</p>	<p>27.86  <del>27.35</del>                  27.86</p>	<p>27.86  <del>27.35</del>                  27.86</p>	<p>27.86                  Overall Marks for 4.5</p>	<p>                 Average Placement-INDEX  <math display="block">= \frac{(x+y+z)}{\text{No. of students}}</math> <math display="block">= \frac{27.86}{40} = 0.6965</math>                 Assessmt part.  <math display="block">40 \times 0.6965 = 27.86</math> </p>
<p>Professional Activities</p>	<p>20</p>	<p>N = Total number of final year students</p>				
<p>Professional societies/chapters and organizing engineering events</p>	<p>5</p>	<p>A. Availability &amp; activities of professional societies/chapters (3)                  B. Number, quality of engineering events (organized at institute, Level- Institute/State/National/International) (2)</p>	<p>2                  2</p>	<p>04</p>		
<p>Publication of technical magazines, newsletters, etc.</p>	<p>5</p>	<p>A. Quality &amp; Relevance of the contents and Print Material (3)                  B. Participation of Students from the program (2)</p>	<p>2                  2</p>	<p>04</p>		
<p>Participation in inter-institute events (students of the program of study at other institutions)</p>	<p>10</p>	<p>A. Events within the state (2)                  B. Events outside the state (3)                  C. Prizes/awards received in such events (5)</p>	<p>2                  2                  4</p>	<p>08</p>		
<p>Criterion 4:</p>	<p>150</p>	<p>Overall Marks for Criterion 4:</p>	<p>105.755</p>			

Total = 105



Annex 5: Faculty Information and Contributions (200)

Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
			Marks	Total		
Student-Faculty Ratio (SFR)	20	<p>Marks to be given proportionally from a maximum of 20 to a minimum of 10 for average SFR between 15:1 to 25:1, and zero for average SFR higher than 25:1. Marks distribution is given as below:</p> <p>&lt; = 15 - 20 Marks                      &lt; = 17 - 18 Marks                      &lt; = 19 - 16 Marks                      &lt; = 21 - 14 Marks                      &lt; = 23 - 12 Marks                      &lt; = 25 - 10 Marks                      &gt; 25 - 0 Marks</p> <p><b>Note:</b> All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Faculty Student Ratio. However, following will be ensured in case of contractual faculty:</p> <ol style="list-style-type: none"> <li>1. Shall have the AICTE prescribed qualifications and experience.</li> <li>2. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.</li> <li>3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit</li> </ol>	18	18	18	Overall Marks for 5.1
Faculty Cadre Proportion	25	<p>Cadre Proportion Marks =</p> $\left[ \frac{AF1}{RF1} \right] + \left[ \frac{AF2}{RF2} \times 0.6 \right] + \left[ \frac{AF3}{RF3} \times 0.4 \right] \times 12.5$ <ul style="list-style-type: none"> <li>• If AF1 = AF2 = 0 then zero marks</li> <li>• Maximum marks to be limited if it exceeds 25 (Refer calculation in SAR)</li> </ul>	25	25	25	25.00 Mention numbers
Faculty Qualification	25	<p><math>FQ = 2.5 \times [(10X + 4Y)/F]</math> where,                      X is no. of faculty with Ph.D., Y is no. of faculty with M.Tech, F is no. of faculty required to comply 1:20 Faculty Student ratio (no. of faculty and no. of students required to be calculated as per 5.1)</p> <p>A. ≥ 90% of required Faculties retained during the period of assessment keeping CAYm2 as base year (25)                      B. ≥ 75% of required Faculties retained during the period of assessment keeping CAYm2 as base year (20)                      C. ≥ 60% of required Faculties retained during the period of assessment keeping CAYm2 as base year (15)</p>	15.09	15.09	15.09	15.09 Mention numbers
Faculty Retention	25		20	20	20	Average = 83.00

Faculty Retention

Evaluator

*[Signature]*

UG Engineering Tier-II

D.  $\geq 50\%$  of required Faculties retained during the period of assessment keeping CAY/m<sup>2</sup> as base year (10)  
E. Otherwise (0)

11/6

ts.  
(Evaluator 1)

Innovations by the Faculty in Teaching and Learning	20	A. The work must be made available on Institute Website (4)	4	15	15	Overall Marks for 5.5
		B. The work must be available for peer review and critique (4)	3			
		C. The work must be reproducible and developed further by other scholars (2)	2			
		D. Statement of clear goals, use of appropriate methods, significance of results, effective presentation and reflective critique (10)	6			
Faculty as participants in Faculty development /training activities /ITTPs	15	For each year: Assessment = 3xSum/0.5RF Average assessment over last three years starting from CAYm1 (Marks limited to 15)		15	15	Overall Marks for 5.6
Research and Development	30			15	15	Overall Marks for 5.6
Academic Research	10	A. Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc. (6)	04	06		
		B. PhD guided /PhD awarded during the assessment period while working in the institute (4)	02			
Sponsored Research	5	Funded research from outside; Cumulative CAYm1, CAYm2 and CAYm3: Amount > 20 Lakh -5 Marks Amount >= 16 Lakh and <= 20 Lakh -4 Marks Amount >= 12 Lakh and < 16 Lakh -3 Marks Amount >= 8 Lakh and < 12 Lakh -2 Marks Amount >= 4 Lakh and < 8 Lakh -1 Mark Amount < 4 Lakh -0 Mark	00	00	00	Overall Marks for 5.7
		A. Product Development B. Research laboratories C. Instructional materials D. Working models/charts/monographs etc. Consultancy; Cumulative CAYm1, CAYm2 and CAYm3: Amount > 10 Lakh -5 Marks Amount >= 8 Lakh and <= 10 Lakh -4 Marks Amount >= 6 Lakh and < 8 Lakh -3 Marks Amount >= 4 Lakh and < 6 Lakh -2 Marks Amount >= 2 Lakh and < 4 Lakh -1 Mark Amount < 2 Lakh -0 Mark	07	07	07	Overall Marks for 5.7
Consultancy (From Industry)	5			00	00	Overall Marks for 5.7
				00	00	Overall Marks for 5.7
Faculty Performance Appraisal and Development System (FPADS)	30	A. A well defined performance appraisal and development system instituted for all the assessment years (10)	8	20		Overall Marks for 5.8
		B. Its implementation and effectiveness (20)	12			
Visiting/Adjunct/Emeritus Faculty	10	Provision of Visiting /Adjunct/Emeritus faculty etc.(1)	1	10		Overall Marks for 5.9
		Minimum 50 hours per year interaction per year to obtain three marks : 3 x 3 = 9	9			
Grand Total	200	Overall Marks for Criterion 5:		151	09	Overall Marks for 5.9

Total = 151

Criterion 6: Facilities and Technical Support (80)

Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
			Marks	Total		
Adequate and well equipped laboratories, and technical manpower	30	A. Adequate well-equipped laboratories to run all the program-specific curriculum (20)	18	26	Overall Marks for 6.1	
		B. Availability of adequate technical supporting staff (5)	4			
		C. Availability of qualified technical supporting staff (5)	4			
Additional Facilities created for improving the quality of learning experience in Laboratories	25	A. Availability and relevance of additional facilities(10)	6	15	Overall Marks for 6.2	
		B. Facilities utilization and effectiveness (10)	6			
		C. Relevance to POs and PSOs (5)	3			
Laboratories: Maintenance and overall ambience	10	Maintenance and overall ambience (10 )	08	08	Overall Marks for 6.3	
Project laboratory	5	Facilities & Utilization (5)	03	03	Overall Marks for 6.4	
Safety measures in laboratories	10	Safety measures in laboratories (10)	08	08	Overall Marks for 6.5	
Criterion 6:	80		Marks for Criterion 6:		60	

Continuous Improvement (50)

Sub Criteria	Max. Marks	Evaluation Guidelines		Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
				Marks	Total		
Actions taken based on the results evaluation of each of the POs and Ps	20	A. Documentation of POs and PSOs attainment levels (5)		4		Overall Marks for 7.1	
		B. Identification of gaps/shortfalls (5)		4			
		C. Plan of action to bridge the gap and its Implementation (10)		8	16		
Academic Audit and actions taken during the period of Assessment	10	Assessment shall be based on conduct and actions taken in relation to continuous improvement (10)		08	08	Overall Marks for 7.2	
		A. Improvement in Placements numbers, quality, core hiring industry and pay packages (5)		4			
		B. Improvement in Higher Studies admissions (3)		2			
Improvement in Placement, Higher Studies and Entrepreneurship	10	C. Improvement in number of Entrepreneurs (2)		2	08	Overall Marks for 7.3	
		Assessment is based on improvement in terms of ranks/score in qualifying state level/national level entrance tests, percentage Physics, Chemistry and Mathematics marks in 12th Standard and percentage marks of the lateral entry students		07	07		
Criterion 7:	50	Marks for Criterion 7:				39	

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## Part B-Program Assessment Worksheet Institute Level Criteria to be Assessed by Chairman

of the Institution Vidya Jyoti Institute of Technology, Hyderabad.  
of the Program UG First Engineering

on 8: First Year Academics (50)

Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
			Marks	Total		
First Year Student- Faculty Ratio (FYSFR)	5	For each year of assessment = $(5 \times 20) / \text{FYSFR}$ (Limited to Max. 5) Average of previous three academic years including Current Academic Year.  *Note: If FYSFR is greater than 25, then assessment equal to zero.	05	05	05	$1440 + 15.2 + 15.6 = 45.8 / 3$  15.27 Mention Numbers
Qualification of Faculty Teaching First Year Common Courses	5	A. Assessment of faculty qualification (5x + 3y)/RF B. Average of Assessment of last three years including current academic year. (Refer 8.2. for x, y and RF)	04	04	04	<del>4.90 + 4.80 + 4.23</del> = 4.64 Mention Numbers
First Year Academic Performance	10	Academic Performance = $(\text{Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale})$ or $(\text{Mean of the percentage of marks in First Year of all successful students}/10) \times (\text{successful students}/\text{number of students appeared in the examination})$ Successful students are those who are permitted to proceed to the Second year	06	06	06	$(7.12 + 5.89 + 6.83) / 3 = 6.61$  Mention Numbers
Attainment of Course Outcomes of first year courses	10					
Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is based	5	A. List of assessment processes (1)  B. The relevance of assessment tools used (4)	01	04	04	Available.
			03			
Record the attainment of Course Outcomes of all first year courses	5	Verify the records as per the benchmark set for the courses (5)	04	04	08	Done.
Attainment of Program Outcomes of all first year courses	20					
Indicate results of evaluation of each relevant PO/PSO	15	A. Process of computing POs/PSOs attainment level from the COs of related first year courses (5) B. Verification of documents validating the above process (10)	04	16	16	Overall Marks for 8.5
			08			
Actions taken based on the results of evaluation of relevant POs /PSOs	5	Appropriate actions taken (5)	04			

Criterion 9: Student Support Systems (50)

UG Engrine

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall Marks	Observations of Evaluators (P Justifications/ Reasons)
				Marks	Total		
9.1.	Mentoring system to help at Individual level	5	Details of the mentoring system that has been developed for the students for various purposes and also state the efficacy of such system (5)	04	04	Overall Marks for 9.1	20 students per year space available for discussion with faculty available.
9.2.	Feedback analysis and reward /corrective measures taken, if any	10	A. Methodology being followed for analysis of feedback and its effectiveness (5) B. Record of corrective measures taken (5)	04 03	07	Overall Marks for 9.2	Well structured and available.
9.3.	Feedback on facilities	5	Feedback collection, analysis and corrective action (5)	04	04	Overall Marks for 9.3	Good.
9.4.	Self Learning	5	A. Scope for self-learning (2) B. Self Learning facilities, materials for learning beyond syllabus, Webinars, Podcast, MOOCs etc. and demonstrate its effective utilization (3)	01 01	02	Overall Marks for 9.4	Good.
9.5.	Career Guidance, Training, Placement	10	A. Availability of career guidance facilities (2) B. Counseling for higher studies (GATE/GRE, GMAT, etc.) (2) C. Pre-placement training (3) D. Placement process and support (3)	02. 01 02 03	08	Overall Marks for 9.5	Well structured is in function's in dedicated skilful available.
9.6.	Entrepreneurship Cell	5	A. Entrepreneurship initiatives (1) B. Data on students benefitted (4)	01 02	03	Overall Marks for 9.6	Good
9.7.	Co-curricular and Extra-curricular Activities	10	A. Availability of sports and cultural facilities (3) B. NCC, NSS and other clubs (3) C. Annual students activities (4)	03 03 04	10	Overall Marks for 9.7	Good sports, culture NCC, NSS etc are good and functional
Total of Criterion 9:				Overall Marks for Criterion 9:		38	

Signature of Chairman



**Section 10: Governance, Institutional Support and Financial Resources (120)**

UG Engineering Tier-II

Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
			Marks	Total		
Organization, Governance and Transparency	40					
1. State the Vision and Mission of the Institute	5	A. Availability of the Vision & Mission statements of the Institute (2) B. Appropriateness/Relevance of the Statements (3)	02	04		Displayed through the campus
Governing body, administrative setup, functions of various bodies, service rules procedures, recruitment and promotional policies	10	A. Governing Body Composition, senate, and all other academic and administrative bodies; their memberships, functions, and responsibilities; frequency of the meetings; participation details of external members and attendance therein (4) B. The published service rules, policies and procedures with year of publication (3) C. Minutes of the meetings and action-taken reports (3)	03	08		Well documented BOG, <del>Academic</del> Academic Council & Finance Committee. It is held at least 2 times/year.
Decentralisation in working and grievance redressal mechanism	10	A. List the names of the faculty members who have been delegated powers for taking administrative decisions (1) B. Specify the mechanism and composition of grievance redressal cell (2) C. Action taken report as per 'B' above (7)	01	07	Overall Marks for 10.1 32	15 Faculty members have delegated administrative decision
Delegation of financial powers	10	A. Financial powers delegated to the Principal, Heads of Departments and relevant in-charges (3) B. Demonstrate the utilization of financial powers for each of the assessment years (7)	03	08		Expenditure above 50,000 Rs - BOG Expenditure > 5 Lacs - F.C. Expenditure > 10,000 < 5 Lacs - Directorate/Prin. method Expenditure < 10,000 - HODs.
Transparency and availability of correct/unambiguous information in public domain	5	A. Information on the policies, rules, processes is to be made available on web site (2) B. Dissemination of the information about student, faculty and staff (3)	02	05		
Budget Allocation, Utilization, and Public Accounting at Institute level	30	Expenditure per student: <u>Rs 1,04,168.79</u> Fee per student: <u>Rs 1.15 lacs</u>	03			
Adequacy of Budget allocation	10	A. Quantum of budget allocation for three years (5) B. Justification of budget allocated for three years (5)	04	08	Overall Marks for 10.2 25	Budget allocated for 3 yr: 42.29 crore Budget allocation is need based Budget utilization: 96.25%
Utilization of allocated funds	15	Budget utilization for three years (15)	12	12		Yes. Audited and checked. M. V. N. Srinivasan. Chartered Accountant Hyderabad.
Availability of the audited statements on the institute's website	5	Availability of Audited statements on website (5)	05	05		

Signature of Chairman



Program Specific Budget Allocation, Utilization	30	To be evaluated in consultation with the Program Experts			Overall Marks for 10.3
Adequacy of budget allocation	10	A. Quantum of budget allocation for three years (5)	4	08	15.0 lacs in 3 yrs.
Utilization of allocated funds	20	B. Justification of budget allocated for three years (5)	4	15	90%
Library and Internet	20	Budget utilization for three years (20)	15	25	
Quality of learning resources (hard/soft)	10	A. Availability of relevant learning resources including e-resources and Digital Library (7)	06	08	
Internet	10	B. Accessibility to students (3)	02	02	
		A. Available bandwidth (4)	02	02	
		B. Wi Fi availability (2)	02	02	
		C. Internet access in labs, classrooms, library and offices of all Departments (2)	02	02	08
D. Security mechanism (2)	120	D. Security mechanism (2)	02		
Criterion 10:		Overall Marks for Criterion 10:			96.

  
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 re of Chairman