PART A

Chairperson's Visit Report

Diploma Engineering Program

Name of the Institution

A.Y. Dadabhai Technical Institute, Kosamba, Surat, Gujarat

Name of the Program

1. _Civil Engineering_
2. _Computer Engineering_
3. _Electrical Engineering_
4. _Mechanical Engineering_

Visit Dates

(Amsanuddin Anwar)

21st to 23rd January, 2022

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg, Pragati
Vihar, New Delhi 110003
Tel: +91 112430620-22; 01124360654; www.nbaind.org

Team composition

Name of the Chairperson: Prof. Anwaruddin Anwar

Designation: Professor (Retired)

Visiting Experts:

1.	**Prof. Hemant Bhimbhai Naik** [Former Professor, Sardar Vallabhbhai National Institute of Technology] Residential Add: F/902, Happy residency, Udhana Magdalla Road, Vesu, Surat – 395007
2.	**Dr. Ing. Anupam K Singh** Director, Indus Institute of Technology and Engineering, Ahmedabad – 382115, Gujarat

Online Experts:

Program 1:   Diploma in Civil Engineering

Program evaluator	Name: **Prof. Madhav Kumthekar**
	Organization: Professor & HOD Government College of Engineeeing Karad Post, Vidyanagar Karad, Dist. Satara, Maharashtra – 415124

Program 2:   Diploma in Computer Engineering

Program evaluator	Name: **Prof. Dattatraya Vishnu Kodavade**
	Organization: Dean Professor & Head, Dept of Computer Science & Engineering, D.K.T.E. Society's Textile & Engineering Institute, Ichalkaranji – 416115, Maharashtra

Program 3:   Diploma in Electrical Engineering

Program evaluator	Name: **Dr. Kamal Bansal**
	Organization: Professor, Dept. of Electrical Engineering, UPES, Dehradun – 248001, Uttarakhand

Program 4:   Diploma in Mechanical Engineering

Program evaluator	Name: **Prof. M.L. Agarwal**
	Organization: Professor, Dept. of Mechanical Engineering, YMCA University of Science & Technology, Faridabad, Haryana – 121006

Institute Details

Year of Establishment: 2008

Physical Infrastructure and Ambience: Good

Number of programs being run in the Institute*:   Four

Total Number of Students: 826 (2020-21)

Name of programs applied for accreditation:

(i)   Diploma in Civil Engineering
(ii)   Diploma in Computer Engineering
(iii)   Diploma in Electrical Engineering
(iv)   Diploma in Mechanical Engineering

*to be verified from SAR

Information for Evaluation

Award of Accreditation

Full Accreditation for 6 years

Programs of the institutions scoring a minimum of 750 points in aggregate out of 1000 points with minimum score of 60% in mandatory fields (criteria 4 to 6) shall be eligible for accreditation for 6 years.

Provisional Accreditation for 3 years

The program with the score of minimum 600 points in aggregate shall be eligible for provisional accreditation for 3 years

No Accreditation

Less than 600 points are not eligible for accreditation.

Name of Program 1:   Diploma in Civil Engineering.

Marks given by Evaluators:

A.   Program Level Criteria:

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	50	39	
2.	Program Curriculum and Teaching-Learning Processes	200	119	
3.	Course Outcomes and Program Outcomes	100	58	
4.	Students' Performance	200	99	
5.	Faculty Information and Contributions	150	107	
6.	Facilities and Technical Support	100	81	
7.	Continuous Improvement	75	46	
	TOTAL	875	549	

B. Institute Level Criteria (to be filled by the Chairman):

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
8.	Student Support Systems	50	35	
9.	Governance, Institutional support and Financial Resources*	75	55	
	TOTAL	125	90	

	GRAND TOTAL (A + B)	1000	639	Recommended for provisional accreditation for three (3) years.

*Assessment for Sub-Criterion 9.3 is different for individual program.

Chairman's Signature

(Anisauuddin Anu)

Name of Program 2:   Diploma in Computer Engineering.

Marks given by Evaluators:

A. Program Level Criteria:

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	50	40	
2.	Program Curriculum and Teaching-Learning Processes	200	120	
3.	Course Outcomes and Program Outcomes	100	60	
4.	Students' Performance	200	~~121~~ 119	
5.	Faculty Information and Contributions	150	105	
6.	Facilities and Technical Support	100	80	
7.	Continuous Improvement	75	35	
	TOTAL	875	~~561~~ 559	

B. Institute Level Criteria (to be filled by the Chairman):

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
8.	Student Support Systems	50	35	
9.	Governance, institutional support and Financial Resources*	75	55	
	TOTAL	125	90	

	GRAND TOTAL (A + B)	1000	~~651~~ 649	**Recommended for provisional accreditation for three (3) years.**

*Assessment for Sub-Criterion 9.3 is different for individual program. 649

Chairman's Signature

Name of Program 3: Diploma in Electrical Engineering.

Marks given by Evaluators:

A. Program Level Criteria:

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	50	39	
2.	Program Curriculum and Teaching-Learning Processes	200	119	
3.	Course Outcomes and Program Outcomes	100	58	
4.	Students' Performance	200	108	
5.	Faculty Information and Contributions	150	~~108~~	103 *a*
6.	Facilities and Technical Support	100	73	
7.	Continuous Improvement	75	42	
	TOTAL	875	~~547~~	542 *a*

B. Institute Level Criteria (to be filled by the Chairman):

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
8.	Student Support Systems	50	35	
9.	Governance, Institutional support and Financial Resources*	75	55	
	TOTAL	125	90	

	GRAND TOTAL (A + B)	1000	~~637~~ 632	Recommended for provisional accreditation for three (3) years.

*Assessment for Sub-Criterion 9.3 is different for individual program.

(Corrections made as per discussion held in EEAC meeting) 8/2/22

Chairman's Signature

6/10

Name of Program 4: Diploma in Mechanical Engineering.

Marks given by Evaluators:

A. Program Level Criteria:

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	50	40	
2.	Program Curriculum and Teaching-Learning Processes	200	110	
3.	Course Outcomes and Program Outcomes	100	65	
4.	Students' Performance	200	106	
5.	Faculty Information and Contributions	150	108	
6.	Facilities and Technical Support	100	76	
7.	Continuous Improvement	75	41	
	TOTAL	875	546	

B. Institute Level Criteria (to be filled by the Chairman):

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
8.	Student Support Systems	50	35	
9.	Governance, Institutional support and Financial Resources*	75	55	
	TOTAL	125	90	

	GRAND TOTAL (A + B)	1000	636	Recommended for provisional accreditation for three (3) years.

*Assessment for Sub-Criterion 9.3 is different for individual program.

Chairman's Signature

Overall Observations

1.

S. No.	Name of the Program	Intake			Admissions	Student-Faculty Ratio
		CAY 2020-21	CAYm1 2019-20	CAYm2 2018-19	Average of CAY, CAYm1 and CAYm2	Average of CAY, CAYm1 and CAYm2
1	Civil Engineering	120	120	120	79.43%	22.67
2	Computer Engineering	60	60	60	114.44%	22.84
3	Electrical Engineering	60	60	60	115.56%	19.95
4	Mechanical Engineering	120	120	120	75.83%	26.37

2. About the progress since last accreditation (to be filled for institutes who have applied for re- accreditation)

The institute is applied for the first time.

3. Observation on general facilities and about the programs.

Kindly mention general observations about facilities like labs, library etc. and a general review about the programs.

a) Academic Ambience   ***Good***

b) Student Support Systems   ***Very Good***

c) Strengths, Weaknesses, Concerns, Suggestions

Observation including Strengths and Weaknesses:

General:

- *The institute, 'A. Y. Dadabhai Technical Institute, Kosamba, Surat' was established in 2008 by the 'The Suratee Sunni Vohra Muslim Educational Society, Surat'. Apart from running educational institutions, the society is also promoting activities like, a) awarding scholarship to the needy students, b) providing medical aid to poor, c) providing financial support to widows etc.*

- *The institute is running four diploma engineering programs in Civil, Computer, Electrical and Mechanical engineering. The intake for CE, CO & EE is 60 each while ME has an intake of 120. The institute is affiliated with Gujarat Technical University, Ahmadabad. Academic and administrative setups follow rules and regulations of GTU and AICTE. The institute is having well defined BOG as per AICTE and GTU norms including members from industries. Normally two BOG meetings are held per year. Minutes of meetings are uploaded on institute website. Action taken reports are also available.*

- Course outcomes, program outcomes, program specific outcome and program educational objectives are defined and mapped. CO-PO and CO-PSO mapping for most of the courses are not clear, needs redefining. PEO-Mission matrix is defined and explained.

Infrastructure:
- The institute is spread over 11 acres of land with a built-up area of about 7000 sqm. The infrastructure is good, classrooms and laboratories are spacious with modern equipment and amenities. The campus is well maintained and have good ambience.
- The institute is having good workshop in electrical and mechanical engineering. Language lab also exists. The institute library is automated and has more than 4000 books. The campus is Wi-Fi enabled with 120 Mbps internet facility. Campus security is carried out by 95 CCTV cameras apart from 24-hour watchman service.

Students:
- Student input is good in all programs, but during last two years there is decline in admission. Success rate without backlog is very poor, it is about 19% on an average. With backlog it is about 50%. Academic performance is also low. Most of the students are unaware of OBE system of education. Good sports facility exists in the institute with indoor and outdoor games, student's participation is also good. They participate in inter-institute tournaments and have won prizes. Students participate in Co-curricular and extra-curricular activities. Participation is also seen in community connect programs such as; tree plantation, energy conservation training to school children, Swatch Bharat Abhiyan to name few.

Faculty:
- Faculty members are qualified and dedicated. The number of faculty members is sufficient with average SFR in the range of 22-24. Faculty retention is very good. Faculty members are associated with mentorship program for career and character building of students. During interaction, Alumni and parents gave very good feedback about faculty and management for overall personality development apart from good teaching. The point of concern is that most of the faculty has less knowledge of OBE system of education. Self-appraisal system and career advancement system are not present in the institute.

Industry Participation:
- The institute is having MOU with 24 industries. Expert lectures and industrial training are being arranged for students. The Institute is also running a number of projects and training programs with financial support from government of Gujarat.

4. Status of imbibing of outcome based accreditation. For example:

- Formulation of PEOs, COs and mappings carried out and implemented

  COs, PSOs and PEOs are defined. CO-PO, CO-PSO mapping are carried out. Mapping for some courses are not relevant. PEOs and mission are also not clearly mapped.

- Methodology for assessing the attainment of outcomes

  Methodology for the assessing the attainment of outcomes is presented but needs more clarity.

- Continual improvement process status

  Not much improvement is observed.

- Stakeholders (especially the faculty, HOD, students etc.) awareness about the process

  Clear understanding of OBE system is not observed among stakeholders. Only few faculty are well aware of the process.