Chairperson's Visit Report

Undergraduate Engineering Program

TIER-II

Name of the Institution

MEENAKSHI SUNDARARAJAN ENGG. COLLEGE
C/o I.I.E.T SOCIETY, 363, ARCOT ROAD, KODAMBAKKAM, CHENNAI-600024

Names of the Programs

1. UG. COMP. SC. & ENGG.   2. U.G. ELEC. & COMM. ENGG.
3. U.G. CIVIL ENGG.   4. U.G. MECH. ENGG.

Visit Dates

21 - 23 FEB., 2020

26.02.20
(G VENKATACHALAM)

Team composition

Name of the Chairperson: DR. G. VENKATACHALAM
Designation: PROFESSOR OF CIVIL ENGG. (RETD.), IIT BOMBAY

Program 1: U.G. COMPUTER SCIENCE & ENGINEERING

Program evaluator 1	Name	DR. SAVITA GUPTA
	Organization:	PANJAB UNIVERSITY, CHANDIGARH - 160036

Program evaluator 2	Name	DR. MANOJ KUMAR
	Organization:	A.I.A.C.T & R, NEW DELHI- 110 031

Program 2: U.G. ELECTRONICS & COMMUNICATION ENGINEERING

Program evaluator 1	Name	DR. MOHD. HASAN
	Organization:	ALIGARH MUSLIM UNIV., ALIGARH - 202002

Program evaluator 2	Name	DR. MANJUNATH V. JOSHI
	Organization:	DA - IICT, GANDHI NAGAR - 382 007

Program 3: U.G. CIVIL ENGINEERING

Program evaluator 1	Name	DR. P. VEDAGIRI
	Organization:	CIVIL ENGG. DEPT, IIT BOMBAY - 400 076

Program evaluator 2	Name	DR. MAHENDER CHOUDHARY
	Organization:	MNIT, JAIPUR, RAJASTHAN - 302017

Program 4: U.G. MECHANICAL ENGINEERING

Program evaluator 1	Name	DR. DINESH KUMAR
	Organization:	IIT ROORKEE, ROORKEE - 247667

Program evaluator 2	Name	DR. R. VENKATA RAO
	Organization:	SVNIT, SURAT - 395007

Program 5: —

Program evaluator 1	Name	
	Organization:	

Program evaluator 2	Name	
	Organization:	

(G.V)

Institute Details

Year of Establishment: _____2001_____

Physical Infrastructure and Ambience: _____CONDUCIVE TO IMPARTING GOOD EDUCATIO

Number of programs being run in the Institute*:

  (i) UG- _SIX – CSE, ECE, EEE, IT, CE, ME_
  (ii) PG - _ONE – CONSTRUCTION ENGG. & MGMT._

Total Number of Students:

  (i) In UG programs - _IN ALL PROGRAMS : 1552 : IN PROGRAMS CONSIDERED : 1119._
  (ii) In PG programs - _30_____

Name of programs applied for accreditation

  (i)   _CSE_____
  (ii)   _ECE_____
  (iii) _CE_____
  (iv)   _ME_____
  (v)   _____—_____

*to be verified from SAR

(G.V.)

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
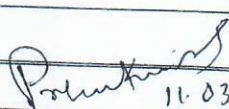
Name of the Program 1: U.G. COMPUTER SCIENCE & ENGINEERING

Marks given by Evaluators:

A. Department/Program Specific Criteria:

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	60	40	
2.	Program Curriculum and Teaching-Learning Processes	120	70	
3.	Course Outcomes and Program Outcomes	120	74	
4.	Students' Performance	150	116	
5.	Faculty Information and Contributions	200	~~114~~ 107	R
6.	Facilities and Technical Support	80	52	
7.	Continuous Improvement	50	30	
	TOTAL	780	~~496~~ 489	R

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

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
8.	First Year Academics	50	39	
9.	Student Support Systems	50	38	
10.	Governance, Institutional Support and Financial Resources	120	83	
	TOTAL	220	160	
	GRAND TOTAL (A +B)	1000	~~656~~ 649	Prakash 11.03.2020

*Assessment for Criteria 8 (8.3, 8.4 &8.5) and 10 (10.3) is different for individual program.

Signature
(Chairman)

Name of the Program 2: _U.G. ELECTRONICS & COMMUNICATION ENGG._

Marks given by Evaluators:

A. Department/Program Specific Criteria:

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	60	46	
2.	Program Curriculum and Teaching-Learning Processes	120	73	
3.	Course Outcomes and Program Outcomes	120	88	
4.	Students' Performance	150	113	
5.	Faculty Information and Contributions	200	103	
6.	Facilities and Technical Support	80	58	
7.	Continuous Improvement	50	26	
	TOTAL	780	507	

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

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
8.	First Year Academics	50	39	
9.	Student Support Systems	50	38	
10.	Governance, Institutional Support and Financial Resources	120	82	
	TOTAL	220	159	
	GRAND TOTAL (A +B)	1000	666	

*Assessment for Criteria 8 (8.3, 8.4 &8.5) and 10 (10.3) is different for individual program.

_____
Signature
(Chairman)

Name of the Program 3: __U.G. CIVIL ENGINEERING__

Marks given by Evaluators:

A. Department/Program Specific Criteria:

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	60	40	
2.	Program Curriculum and Teaching-Learning Processes	120	75	
3.	Course Outcomes and Program Outcomes	120	79	
4.	Students' Performance	150	106	
5.	Faculty Information and Contributions	200	137 132	✓
6.	Facilities and Technical Support	80	46	
7.	Continuous Improvement	50	30	
	TOTAL	780	513 508	✓

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

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
8.	First Year Academics	50	39	
9.	Student Support Systems	50	38	
10.	Governance, Institutional Support and Financial Resources	120	81	
	TOTAL	220	158	
	GRAND TOTAL (A +B)	1000	671 666	Prem 11·03·2020

*Assessment for Criteria 8 (8.3, 8.4 &8.5) and 10 (10.3) is different for individual program.

_____
Signature
(Chairman)

Name of the Program 4: U·G. MECHANICAL ENGINEERING

Marks given by Evaluators:

A. Department/Program Specific Criteria:

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	60	44	
2.	Program Curriculum and Teaching-Learning Processes	120	66	
3.	Course Outcomes and Program Outcomes	120	79	
4.	Students' Performance	150	102	
5.	Faculty Information and Contributions	200	124	
6.	Facilities and Technical Support	80	54	
7.	Continuous Improvement	50	29	
	TOTAL	780	498	

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

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
8.	First Year Academics	50	39	
9.	Student Support Systems	50	38	
10.	Governance, Institutional Support and Financial Resources	120	80	
	TOTAL	220	157	
	GRAND TOTAL (A +B)	1000	655	

*Assessment for Criteria 8 (8.3, 8.4 &8.5) and 10 (10.3) is different for individual program.

_____
Signature
(Chairman)

Overall Observations

1.

S. No.	Name of the Program	Intake			Admissions	Student-Faculty Ratio
		CAY	CAYm1	CAYm2	Average of CAY, CAYm1 and CAYm2	Average of CAY, CAYm1 and CAYm2
1.	CSE	55	56	57	244	20.4:1
2.	ECE	120	120	120	511	18.85:1
3.	CE	40	50	56	250	18.59:1
4.	ME	60	60	60	256	16:1

- Also, see the evaluator's report for the above parameters and if you disagree with the same, kindly give your comment.

  ECE Evaluators have misinterpreted the item "Student : Average of CAY, CAYm1, CAY m2" in the Program Details sheet. It has now been corrected.

2. **About the progress since last accreditation (to be filled for institutes who have applied for re-accreditation)** NOT APPLICABLE

Kindly mention the changes made as recommended by NBA, since the previous visit.

3. **Observation on general facilities and about the programs.** (PLEASE SEE ATTACHED REPORTS)

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

- 1st year
- Academic Ambience
- Student Support Systems
- Strengths, Weaknesses, Concerns, Suggestions

4. **Status of imbibing of outcome based accreditation. For Example:** (PL. SEE ATTACHED REPORTS)

- Formulation of PEOs, PSOs, COs and mappings carried out and implemented
- Methodology for assessing the attainment of outcomes
- Continual improvement process has been set up
- Stakeholders (especially the faculty, HOD, students etc.) awareness about the process

(G.V.)