

PART A

# Chairperson's Visit Report

Undergraduate Engineering Program

TIER-II

**Name of the Institution**

Rao Bahadur Y Mahabaleshwarappa Engineering College  
Bellary - 583104 Karnataka

**Name of the Program**

- 1) UG in Mechanical Engg
- 2) UG in Computer Science and Engg

**Visit Dates**

17<sup>th</sup> to 19<sup>th</sup> Feb 2017

**NATIONAL BOARD OF ACCREDITATION**

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg, Pragati  
Vihar, New Delhi 110003

Tel: +91 112430620-22; 01124360654; [www.nbaiind.org](http://www.nbaiind.org)

## Institute Details

Year of Establishment: 1984

Physical Infrastructure and Ambience: Good

Number of programs being run in the Institute\*:

- (i) UG- 08
- (ii) PG- 06 (including MCA and MBA)


Total Number of Students:

- (i) In UG programs - ~ 2800 during 2015-16
- (ii) In PG programs - ~ 210 (Excluding MCA + MBA)

Name of programs applied for accreditation

- (i) BE in Mechanical Engg
- (ii) BE in Computer Science and Engg
- (iii) \_\_\_\_\_
- (iv) \_\_\_\_\_
- (v) \_\_\_\_\_

\*to be verified from SAR

  
22.02.2017

## Overall Observations

1.

S. No.	Name of the Program	Intake	Admissions 2015-16	Student-Faculty Ratio	Placement (last year)
1	UG in Mech Engg	120 FLE	156	~ 1.5:1	33-82
2	UG in CSE	120 FLE	117	~ 16:6:1	31

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

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

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. \_\_\_\_\_

- 1<sup>st</sup> year — Admissions good,
- Academic Ambience — Satisfactory
- Student Support Systems — Self-learning resources available
- Strengths, Weaknesses, Concerns, Suggestions Faculty (R & D, Publications, interaction with outside) — weak

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

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

*[Signature]*  
22.02.2017

Deficiencies:

1. R & D activities less
2. No consultancy
3. Low placement
4. Content beyond syllabus missing
5. NO visiting / adjunct faculty in the department leading to less knowledge of development in recent areas.

Other Observations, if any:

- 1.
- 2.
- 3.
- 4.
- 5.

Chaitan D

Wsecte



### Team composition

Name of the Chairperson: Prof. G. L. Datta

Designation: Former Dean at IIT Kanpur and  
Former Vice-Chancellor and Chancellor, K.L. Univ., A.P.

Program 1: BE in Mechanical Engineering

Program evaluator 1	Name	<u>Dr. Sachin P. Untawale</u>
	Organization:	<u>Principal</u>

Program evaluator 2	Name	<u>Prof. Mahammed Emran Khan</u>
	Organization:	<u>Professor</u>

Program 2: BE in Computer Science and Engineering

Program evaluator 1	Name	<u>Prof. N. P. Gopalan</u>
	Organization:	<u>Professor</u>

Program evaluator 2	Name	<u>Prof. Karm Veer Arora</u>
	Organization:	<u>Associate Professor</u>

Program 3:

Program evaluator 1	Name	
	Organization:	

Program evaluator 2	Name	
	Organization:	

Program 4:

Program evaluator 1	Name	
	Organization:	

Program evaluator 2	Name	
	Organization:	

Program 5:

Program evaluator 1	Name	
	Organization:	

Program evaluator 2	Name	
	Organization:	

Name of the Program 1: B.E. in Mechanical Engg

Marks given by Evaluators:

A. Department/Program Specific Criteria:

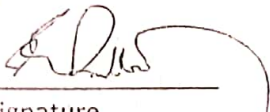
S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
1.	Vision, Mission and Program Educational Objectives	60	41	✓ 68.34%
2.	Program Curriculum and Teaching-Learning Processes	120	62	↓ 51.67%
3.	Course Outcomes and Program Outcomes	120	87	✓ 72.5%
4.	Students' Performance	150	71	↓ 47.34%
5.	Faculty Information and Contributions	200	121	✓ 60.5%
6.	Facilities and Technical Support	80	54	✓ 67.5%
7.	Continuous Improvement	50	19	↓ 38.00%
TOTAL		780	455	✓ 58.34%

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

S. No.	Criteria	Max. Marks	Marks Awarded	Remarks
8.	First Year Academics	50	34	68%
9.	Student Support Systems	50	33	66%
10.	Governance, Institutional Support and Financial Resources	120	96	80%
TOTAL		220	163	74.09%
GRAND TOTAL (A+B)		1000	163 + 455	61.8%

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

= 618

  
 Signature  
 (Chairman)

PART A + B

## Evaluator's Visit Report

Undergraduate Engineering Program

Tier-II

Name of the Institution

Rao Bahadur Y. Mahabaleswarappa  
Engineering College, Bellary

Name of the Program

UG - MECHANICAL ENGINEERING ✓

Visit Dates

17<sup>th</sup> - 19<sup>th</sup> Feb. 2017

**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

Dr. M. Eswara Kumar  
(Dr. M. Eswara Kumar)

Dr. S. P. Untawale  
(Dr. S. P. Untawale)



## Program Evaluator Summary

### Overview

The Expert team of National Board of Accreditation (NBA) conducted a three day accreditation visit from 17 to 19 Feb '2017 to evaluate UG Engineering program MECHANICAL ENGINEERING.

Pre visit meeting of the expert team was held on at 16<sup>th</sup> Feb '17 8 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 Principal. The briefing on the institution was given by Principal and on the program was given by the HOD, mechanical. 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 type="checkbox"/>	Parents	<input 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)

- Criterion 1: OBE followed but not disseminated properly.
- Criterion 2: Curricular gaps need to be identified & taken care of. Industry Institute interaction to be increased.
- Criterion 3: Results of attainment of PO/PSO's not sufficiently visible.
- Criterion 4: Enrollment ratios good but placement, higher studies & entrepreneurial activities need enhancement. Profession bodies to be involved for events.
- Criterion 5: Good number of Professors however there is a lack in R&D -
- Criterion 6: Facilities & support staff is good but additional facilities are lacking.
- Criterion 7: Not much effort is taken for continuous improvement.

Pradeep Kumar

U.S. Singh



Program Details

Name of the Program			
UG - Mechanical Engineering			
Year of Commencement	1980		
Student	Year	Sanctioned Intake	Actual Admitted
	CAY (20/3 - 20/4)	120 + 24(LE) + (6,00) = 150	156
	CAY m1 (20/4 - 20/5)	150	157 ✓
	CAY m2 (20/5 - 20/6)	150	151
	Total Students in the Programme 1 <sup>st</sup> to Final Year Averaged over three assessment years	558	576
Placement %	CAY (20/3 - 20/4)	33.82%	
	CAY m1 (20/4 - 20/5)	10.84%	
	CAY m2 (20/5 - 20/6)	10.94%	
	Averaged over three assessment years	18.53%	
Faculty (Attach a Copy of faculty list compared with Time Table)	Regular	Professor	05
		Associate professor	00
		Assistant professor	21
	Ad-hoc	Professor	-
		Associate professor	-
		Assistant professor	03
	Contractual	Professor	-
		Associate professor	-
		Assistant professor	-
	Student-Teacher ratio		14.89
Visiting/guest faculty (Total Numbers of Hours)			
Previous accreditation( if any)	First accreditation	No. of years accredited for	03
		With effect from	15-2-2005
	Previous accreditation	No. of years accredited for	03
		With effect from	19-7-2008

CAY: Current Assessment Year  
 CAYm1: Current Assessment Year minus 1  
 CAYm2: Current Assessment Year minus 2

*Chaitanya*

*WBC*

Explicit observations about the program  
(Please use additional sheets if necessary to elaborate)

Program title UG-MECHANICAL ENGINEERING

Strengths:

1. Good number of Ph.D. faculty.
2. Labs are well equipped with good support staff.
3. Good classroom teaching.
4. Process of formulation of Vision/Mission, PEO, PO is as per OBE.
5. Student enrollment is good.

Weakness/Areas of improvement:

1. Dissemination of OBE to stakeholders need enhancement.
2. Research culture is missing with no consultancy.
3. Professional Society chapters need to be strengthened.
4. Placements need major effort.
5. Identification of curriculum gaps/shortfalls need to be taken care off.

Chellappa

12/1/20

Deficiencies:

1. R & D activities less
2. NO consultancy
3. Low placement
4. Content beyond syllabus missing
5. NO visiting / adjunct faculty in the department leading to less knowledge of development in recent areas

Other Observations, if any:

- 1.
- 2.
- 3.
- 4.
- 5.

Chaitan

Waseem