

NATIONAL BOARD OF ACCREDITATION

Pro-forma for Evaluation of Compliance Report for Tier II Institutions

Profile of the Institute

1. Name of the College: **BMS Institute of Technology & Management**
2. Name of the program: **UG Program in Computer Science and Engineering**
3. Current Accreditation period for which the compliance report is being submitted from:

1st July 2016 to 30th June 2019

Compliance Status – PART A

| Sl.No. | Parameters | Minimum Requirement | Calculations | Remarks of the Evaluator (to be left blank) |
|--------|--|---------------------|--|---|
| 1. | Attach the copy of the AICTE approval for the Current Academic Year | Enclosed | | Verified |
| 2. | Attach the copy of University Affiliations for the Current Academic Year (If Applicable) | Enclosed | | Verified |
| 3 | Admissions at the institute level average for the previous two academic years | 50% | $\% \text{ Admissions} = \frac{\text{Students Admitted}}{\text{Total Students Intake}} \times 100$ For the Academic Year (%) $\text{CAYm2 (2016-17)} = \frac{475}{480} = 98.96\%$ $\text{CAYm1 (2017-18)} = \frac{633}{661} = 95.76\%$ $\text{CAY (2018-19)} = \frac{720}{721} = 99.86\%$ $\text{Average} = 98.19\%$ | Verified. |



| | | | | |
|---|---|-----|---|----------|
| 4 | Admissions at the program level average for the previous two academic years | 50% | % Admissions = (Students Admitted/ Total Students Intake) X 100 For the Academic Year (%) CAYm2 (2016-17) = 90/90 = 100% CAYm1 (2017-18) = 181/181 = 100% CAY (2018-19) = 181/181 = 100% Average = 100% | Verified |
|---|---|-----|---|----------|

| 5 | Faculty Details of the Department (UG+PG): | | | | | | | |
|-------|---|---------------|------------------|---------------------|-------------|------------------|---------------------|---|
| S.no. | Designation | CAYm1 2017-18 | | | CAY 2018-19 | | | Remarks of the Evaluator (to be left blank) |
| | | With PhD. | | Witho ut PhD. | With PhD. | | Witho ut PhD. | |
| | | Regular | Contract -ual | | Regular | Contr- actual | | |
| 5a. | Professors | 02 ✓ | - | - | 03 ✓ | - | - | Verified or edited. |
| 5b. | Associate Professors | 01 ✓ | - | 00 02 | 03 ✓ | - | 02 | |
| 5c. | Assistant Professors | - | - | 17 19 | 01 ✓ | - | 19 | |
| 5d. | Total number of Faculty in the Department (UG+PG) | 03 | - | 19 | 07 | - | 21 | |

| 6. | SFR Calculations | | | | | | |
|-------|---|---|--------------------------------|--|--|---|---|
| S.no. | Parameter | Calculations | Minimu m Require ment | Academic Year | | | Remarks of the Evaluator (to be left blank) |
| | | | | CAYm2 2016-17 | CAYm1 2017-18 | CAY 2018-19 | |
| 6a. | Total number of sanctioned intake at UG + Actual admitted lateral entry students + PG level for the previous two academic years | Total No. of Students in the Department (S) = UG1 + UG2 + UGn + PG1 + PGm | - | S=360 ✓ F=21 (3 faculty excluding for 1 yr.) | S=360 ✓ F=18 (4 faculty excluding for 1 yr.) | S=468 ✓ F=24 (4 faculty excluded for 1 year) II - 246 III - 108 IV - 108 | |

2016-17
 with PhD) 3
 Professors
 Associate Professors 1
 Assistant Professors -
 Total 4
 Total 24

w/o PhD) 20
 20

S=360
 F=36
 PC=36
 468

2
 J. K. J.

| 6b. | The student faculty ratio (SFR) in the department averaged for previous two academic years | $SFR = S/F$, Where $S =$ Total number of students in the dept. and $F =$ total number of faculty in the dept. | 1:25 | $\frac{360}{21}$ = 17.14 | $\frac{360}{18}$ = 20.0 | $\frac{468}{24}$ = 19.5 | $SFR = \frac{(SFR1 + SFR2 + SFR3)}{3}$ = 18.88 ✓ Verified. |
|--------|--|--|---|---|---|---|--|
| Sl.No. | Parameters | Calculations | Prior to the Visit | After the visit | | Remarks of the Evaluator (to be left blank) | |
| 7 | Improvement in success rate without backlog for past three batches | $SI =$ (Number of students who have graduated from the program without backlog)/(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable) $Average SI =$ mean of Success Index (SI) for past three batches | (Batch: 2012-2016) 2015-16=0.58 (Batch: 2011-2015) 2014-15=0.54 (Batch: 2010-2014) 2013-14=0.57 Average SI = 0.56 | (Batch: 2014-2018) 2017-18=0.46 (Batch: 2013-2017) 2016-17=0.51 Average SI = 0.49 | Improvement in Rate of Success w/o backlog has gone down. | | |
| 8 | Improvement in success rate with backlog for past three batches | $SI =$ (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 admitted in 2nd year via lateral entry and separate division, if applicable) $Average SI =$ mean of Success Index (SI) for past three batches | (Batch: 2012-2016) 2015-16=0.29 (Batch: 2011-2015) 2014-15=0.35 (Batch: 2010-2014) 2013-14=0.29 Average SI = 0.31 | (Batch: 2014-2018) 2017-18=0.29 (Batch: 2013-2017) 2016-17=0.29 Average SI = 0.29 | Improvement has slightly gone down. | | |

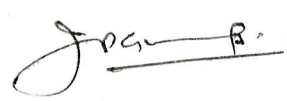


Full

J.P.S. F.

Devendra

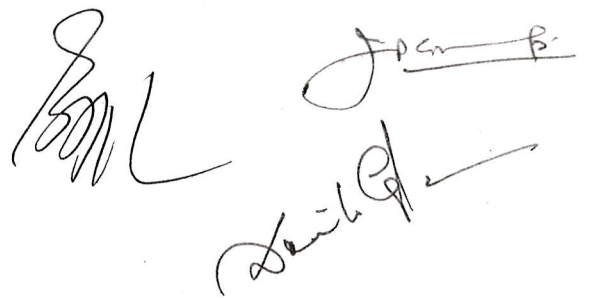
| 9 | Improvement in Academic Performance for the previous three years | <p>Academic Performance = Average API (Academic Performance Index)</p> <p>API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10)) x (number of successful students/number of students appeared in the examination). Successful students are those who are permitted to proceed to the Third year.</p> | <p>2015-16=6.4 2014-15=6.03 2013-14=6.09</p> <p>Average API = 6.17</p> | <p>2017-18=6.73 2016-17=6.73</p> <p>Average API = 6.73</p> | <p>There is an improvement.</p> |
|--------|---|---|---|---|---|
| Sl.No. | Criteria | Minimum Requirement | Calculations | | Remarks of the Evaluator (to be left blank) |
| 10 | The Placement +Higher Studies+ Entrepreneurship ratio averaged for previous three academic years. | 40% | <p>The Placement +Higher Studies+ Entrepreneurship Ratio = Z/N Where, Z = No. of students Placed + No. of students admitted for higher studies with valid qualifying scores in GATE or equivalent State or National Level Tests , GRE, GMAT + opted Entrepreneurship N= No. of Students appeared in final year examination For the Academic years: CAYm2 (2015-16) $98/107 = 0.915$ $85/107 = 0.79$ CAYm1 (2016-17) $88/107 = 0.82$ $54/107 = 0.505$ CAY (2017-18) $87/108 = 0.80$ $66/108 = 0.61$ Average = 0.845 0.63</p> | | |

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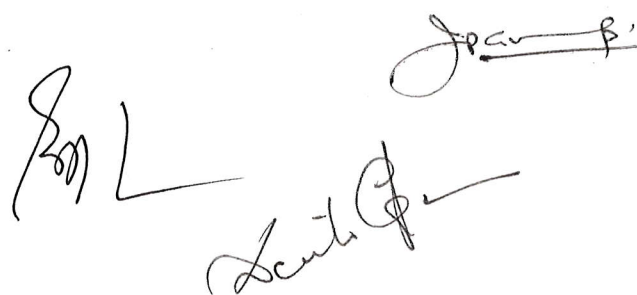
Compliance status – PART B (Faculty Research and Development)

| Sl.No. | Criteria | Prior to the Accreditation Visit | After the Accreditation Visit | Remarks of the Evaluator (to be left Blank) |
|--------|--|--|--|--|
| 1 | Improvement in the number of Faculty Development program (FDP) | 43 | 144 <i>85+58</i> | Verified. |
| 2 | Improvement in the number of Publications | 77 | 126 | |
| 3 | Quality of Publications | a. No. of papers in Non SCI: 53 SCI/ESCI SCOPUS: IEEE/IET: 24 Books: Book's chapter: b. Patent/ copyrights: | a. No. of papers in Non SCI: 22 SCI/ESCI: SCOPUS: 17 17 <i>22</i> IEEE/IET: 09 Indexed: 74 Books: 01 Book's chapter: 08 ✓ b. Patent/ copyrights: 01 | There is considerable improvement in quality publications. |
| 4 | Amount of funded research received | - | Enclosed in Annexure -1 (efforts for funded research) | No change. Efforts are being made. |
| 5 | Amount of funded consultancy | - | <i>Rs. 1.22 Lakhs</i> 1.57 Lakhs <i>22</i> (30K+42K+50K+35K) | There is an improvement |
| 6 | Number of PhD. Produced | - | - | No change |
| 7 | Number of PhD. Pursuing | 13 | 17 | — |

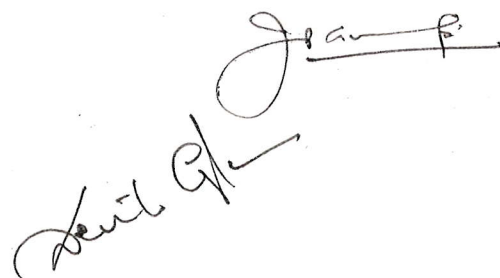


Compliance Status – Part-C(Overall Compliance)

| SI No | Criteria | Observation | Action Taken | Remarks of evaluators | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|------------------------------------|--|-----------------------|-----------------------|---------|---|---------|---|---------|--------------|---------------|------------------------------|---------|----|---------|-----|---------|---------------|---------------|-----------------|---------|---|---------|---|---------|---------------|---------------|-------------|---------|---|---------|---|---|
| 1 | 2.2.4. A Industry supported Laboratory: | Marks <40% (0/5) No Comments | <p>Department is continuously making efforts to have strong collaborations with industry. The following are the initiatives being made in this direction:</p> <p>Industry expert talks</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th>Academic year</th> <th>Industry Expert Talks</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2016-17</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="text-align: center;">2017-18</td> <td style="text-align: center;">9</td> </tr> <tr> <td style="text-align: center;">2018-19</td> <td style="text-align: center;">3 (on-going)</td> </tr> </tbody> </table> <p>Industry Internship Training</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th>Academic year</th> <th>Industry Internship Training</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2016-17</td> <td style="text-align: center;">38</td> </tr> <tr> <td style="text-align: center;">2017-18</td> <td style="text-align: center;">103</td> </tr> <tr> <td style="text-align: center;">2018-19</td> <td style="text-align: center;">55(on-going)</td> </tr> </tbody> </table> <p>Industry Visits</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th>Academic year</th> <th>Industry Visits</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2016-17</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">2017-18</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">2018-19</td> <td style="text-align: center;">3 (on-going)</td> </tr> </tbody> </table> <p>Consultancy</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th>Academic year</th> <th>Consultancy</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2017-18</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">2018-19</td> <td style="text-align: center;">3</td> </tr> </tbody> </table> | Academic year | Industry Expert Talks | 2016-17 | 8 | 2017-18 | 9 | 2018-19 | 3 (on-going) | Academic year | Industry Internship Training | 2016-17 | 38 | 2017-18 | 103 | 2018-19 | 55(on-going) | Academic year | Industry Visits | 2016-17 | 5 | 2017-18 | 5 | 2018-19 | 3 (on-going) | Academic year | Consultancy | 2017-18 | 1 | 2018-19 | 3 | <p>No change. Efforts are being made.</p> |
| Academic year | Industry Expert Talks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016-17 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017-18 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2018-19 | 3 (on-going) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Academic year | Industry Internship Training | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016-17 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017-18 | 103 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2018-19 | 55(on-going) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Academic year | Industry Visits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016-17 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017-18 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2018-19 | 3 (on-going) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Academic year | Consultancy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017-18 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2018-19 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

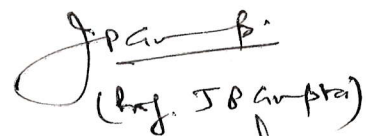


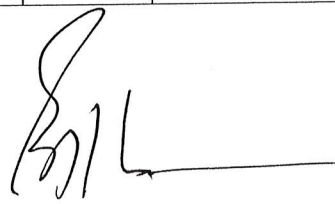
| 2 | 4.6.3. B Events outside the state: | Marks <40% (1/3) Comment: More participation should be encouraged | <p>The students are motivated to participate in inter-institute events at National and International level. Students have participated in internship programs offered in different countries. Students have participated in various events such as Hackathon, Conferences, etc.,</p> <table border="1" data-bbox="639 562 1273 808"> <thead> <tr> <th>Year</th> <th>No. Events Attended with in State</th> <th>No. Events Attended outside State</th> <th>Number of online events</th> <th>No of Prize/Awards</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>2018-19 (Ongoing)</td> <td>8</td> <td>6</td> <td>3</td> <td>5</td> <td>17</td> </tr> <tr> <td>2017-18</td> <td>9</td> <td>6</td> <td>4</td> <td>7</td> <td>19</td> </tr> <tr> <td>2016-17</td> <td>2</td> <td>-</td> <td>1</td> <td>2</td> <td>03</td> </tr> </tbody> </table> | Year | No. Events Attended with in State | No. Events Attended outside State | Number of online events | No of Prize/Awards | Total | 2018-19 (Ongoing) | 8 | 6 | 3 | 5 | 17 | 2017-18 | 9 | 6 | 4 | 7 | 19 | 2016-17 | 2 | - | 1 | 2 | 03 | Verified. |
|-------------------|---|---|--|---|-----------------------------------|-----------------------------------|-------------------------|--------------------|-------|-------------------|---|---|---|---|----|---------|---|---|---|---|----|---------|---|---|---|---|----|-----------|
| Year | No. Events Attended with in State | No. Events Attended outside State | Number of online events | No of Prize/Awards | Total | | | | | | | | | | | | | | | | | | | | | | | |
| 2018-19 (Ongoing) | 8 | 6 | 3 | 5 | 17 | | | | | | | | | | | | | | | | | | | | | | | |
| 2017-18 | 9 | 6 | 4 | 7 | 19 | | | | | | | | | | | | | | | | | | | | | | | |
| 2016-17 | 2 | - | 1 | 2 | 03 | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 5.7.2. Sponsored research : | Marks <40% (0/5) No Comments | <p>Efforts made by Department and Institution towards research initiative:</p> <ul style="list-style-type: none"> • Proposals Submitted • Dean Research was recruited • Research promotion workshop • Research vertical defined • Seed money policy • Flexi time for research scholars policy • Team Samshodhana | No change. Efforts are being made. | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 5.7.4. Consultancy from Industry: | Marks <40% (0/5) No Comments | <p>Continuous effort is been made to fetch industry consultancy as a result of which department has got consultancy worth Rs. 1.2 Lakhs from the companies such as L&T, CISCO, VOLVO etc., The detailed plan for increasing this to more than Rs. 10 Lakhs is made.</p> | There is some improvement as indicated. | | | | | | | | | | | | | | | | | | | | | | | | |





Compliance status to Compliance Report-Tier II Institutions

| Sl.No. | Pre Visit Qualifiers (Average of Assessment years) | Requirement for 3 years | YES/NO | Requirement for 6 years | YES/NO |
|--------|--|----------------------------|-----------------|--|--------|
| 1 | Admissions in the undergraduate programs at the Institute level (average of the previous three academic years including Current Academic Year) | 50% | | 50% | yes |
| 2 | Admissions in the undergraduate programs under consideration (average of the previous three academic years including Current Academic Year) | 50% | | 75% | yes |
| 3 | Faculty student ratio in the department under consideration (Averaged over previous three academic years including Current Academic Year.) | 1:25 | 1:18.88 Yes. | 1:15 | No |
| 4 | Atleast one Professor or one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department during previous two academic years including current academic year. | YES | | At least two Professors or one Professor and one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department for previous two years (including Current Academic Year). | yes |
| 5 | Number of available Ph.Ds. in the department (Averaged for previous two academic years including Current Academic Year.) | 10% | yes | 30% | No. |
| 6 | Whether HODs possess Ph.D. degrees for the programs under consideration | NA yes | | YES | yes |


 (Prof. J.P. Gupta)


 Prof. E. Ram. H. S. C.
 05/03/2019



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NATIONAL BOARD OF ACCREDITATION

Pro-forma for Evaluation of Compliance Report for Tier II Institutions

Profile of the Institute

1. Name of the College: **BMS Institute of Technology and Management**

Post Box: 6443, Doddaballapura Main Road

Avalahalli, Yelahanka, Bengaluru- 560064

2. Name of the program: **UG PROGRAM IN ELECTRONICS AND COMMUNICATION ENGINEERING**

3. Current Accreditation period for which the compliance report is being submitted from 01/07/2016 to 30/06/2019

Compliance Status – PART A

| Sl.No | Parameters | Minimum Requirement | Calculations | Remarks of the Evaluator (to be left blank) |
|-------|--|---------------------|--|---|
| 1. | Attach the copy of the AICTE approval for the Current Academic Year | | Enclosed | Verified |
| 2. | Attach the copy of University Affiliations for the Current Academic Year (If Applicable) | | Enclosed | Verified |
| 3 | Admissions at the institute level average for the previous three academic years including the current academic year. | 50% | % Admissions at first year level = (Students Admitted/ Total Students Intake) X 100 For the Academic Year (%) CAY(2018-19): 99.86% CAYm1(2017-18): 95.76% CAYm2(2016-17): 98.96% Average=98.19% | Verified |
| 4 | Admissions at the programme level average for the previous three academic years including the current academic year. | 50% | % Admissions at first year level = (Students Admitted/ Total Students Intake) X 100 For the Academic Year (%) CAY(2018-19)=100% CAYm1(2017-18)=97.22% CAYm2(2016-17)=100% Average=99.07% | Verified etc. |

| 5 Faculty Details of the Department (UG+PG): | | | | | | | | |
|--|---|---|------------------------------------|-----------------------|-----------------------|-----------------------|---|---|
| Sl.no | Designation | CAYm1 2017-18 | | | CAY 2018-19 | | | Remarks of the Evaluator (to be left blank) |
| | | With PhD. | | Without PhD. | With PhD. | | Without PhD. | |
| | | Regul ar | Contract ual | | Regul ar | Contract ual | | |
| 5a. | Professors | 21 | 13 | 0 | 3 | 0 | 0 | |
| 5b. | Associate Professors | 1 | 1 | 0 | 1 | 0 | 0 | |
| 5c. | Assistant Professors | 0 | 0 | 18+1 19 | 0 | 0 | 18+1 19 | |
| 5d. | Total number of Faculty in the Department (UG+PG) | 23 | | | 23 | | | one faculty exclusive teaching of 1 yr. and therefore included 23-1 = 22 |
| 6. SFR Calculations | | | | | | | | |
| Sl.no | Parameter | Calculations | Mini mum Requi reme nt | Academic Year | | | Remarks of the Evaluator (to be left blank) | |
| | | | | CAYm2 2016- 17 | CAYm1 2017-18 | CAY 2018-19 | | |
| 6a. | Total number of sanctioned intake at UG + Actual admitted lateral entry students + PG level for the previous three academic years including the current academic year | Total No. of Students in the Department (S) = UG1 + UG2+UGn + PG1 + PGm | - | 324 | 324 | 432 | No PG courses increase in 2018-19 because of increase in intake (sanctioned) from 90 to 180 Verified. | |
| 6b. | The student faculty ratio (SFR) in the department averaged for previous three academic years including the current academic year. | SFR = S/F, Where S= Total number of students in the dept. and F= total number of faculty in the dept. | 1:20 | F=22 SFR= 14.72 | F=22 SFR= 14.72 | F=22 SFR= 19.63 | Verified. Average. 16.36 | |

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| S.No. | Parameters | Calculations | Prior to the Visit | After the visit | Remarks of the Evaluator (to be left blank) |
|-------|--|---|-----------------------|-----------------------|---|
| | | $SI = \frac{\text{Number of students who have graduated from the program without backlog}}{\text{Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable}}$ | 2010-14: 0.63 | | Verified. |
| | | | 2011-15: 0.58 | 2013-17: 0.646 | |
| | | | 2012-16: 0.50 | 2014-18: 0.623 | |
| | | | | | |
| 7 | Improvement in success rate without backlog for past three batches | $Average SI = \text{mean of Success Index (SI) for past three batches}$ | 0.57 | 0.634 | |
| 8 | Improvement in success rate with backlog for past three batches | $SI = \frac{\text{Number of students who graduated from the program in the stipulated period of course duration}}{\text{Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable}}$ $Average SI = \text{mean of Success Index (SI) for past three batches}$ | 2010-14: 0.229 | | marginal decrease verified. |
| | | | 2011-15: 0.288 | 2013-17: 0.198 | |
| | | | 2012-16: 0.38 | 2014-18: 0.22 | |
| | | | 0.299 | 0.209 | |
| 9 | Improvement in Academic Performance for the previous three years | $API = \frac{\text{Academic Performance}}{\text{Average API (Academic Performance Index)}}$ $API = \frac{\text{Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale}}{\text{Mean of the percentage of marks of all successful students in Second Year/10}} \times \text{number of successful}$ | 2010-14: 7.03 | | marginal decrease verified |
| | | | 2011-15: 6.27 | 2013-17: 6.25 | |
| | | | 2012-16: 6.35 | 2014-18: 6.13 | |
| | | | 6.5 | 6.19 | |

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| S.No. | Criteria | Minimum Requirement | Calculations | Remarks of the Evaluator (to be left blank) | | | | | | | | | | | | | | | | |
|-----------------|---|---------------------|--|---|------|--------|-----|-----------------|-------|-------|-----|-----------------|------|-------|-----|-----------|-------|--|------|-------------|
| | | | students/number of students appeared in the examination). Successful students are those who are permitted to proceed to the Third year. | | | | | | | | | | | | | | | | | |
| 10 | The Placement +Higher Studies+ Entrepreneurship ratio averaged for previous three academic years. | | <p>The Placement +Higher Studies+ Entrepreneurship Ratio = Z/N Where, Z =No. of students Placed + No. of students admitted for higher studies with valid qualifying scores in GATE or equivalent State or National Level Tests , GRE,GMAT + opted Entrepreneurship N=No. of Students appeared in final year examination For the Academic years:</p> <table border="1"> <tr> <td>CAYm3(2015-16):</td> <td>0.85</td> <td>87/100</td> <td>.87</td> </tr> <tr> <td>CAYm2(2016-17):</td> <td>0.869</td> <td>73/92</td> <td>.79</td> </tr> <tr> <td>CAYm1(2017-18):</td> <td>0.73</td> <td>67/99</td> <td>.67</td> </tr> <tr> <td>Average =</td> <td>0.816</td> <td></td> <td>.776</td> </tr> </table> | CAYm3(2015-16): | 0.85 | 87/100 | .87 | CAYm2(2016-17): | 0.869 | 73/92 | .79 | CAYm1(2017-18): | 0.73 | 67/99 | .67 | Average = | 0.816 | | .776 | As Verified |
| CAYm3(2015-16): | 0.85 | 87/100 | .87 | | | | | | | | | | | | | | | | | |
| CAYm2(2016-17): | 0.869 | 73/92 | .79 | | | | | | | | | | | | | | | | | |
| CAYm1(2017-18): | 0.73 | 67/99 | .67 | | | | | | | | | | | | | | | | | |
| Average = | 0.816 | | .776 | | | | | | | | | | | | | | | | | |

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Devi G
J. R. G. R.

Compliance status – PART B (Faculty Research and Development)

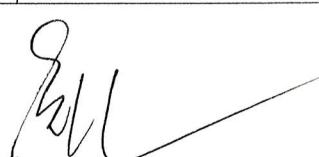
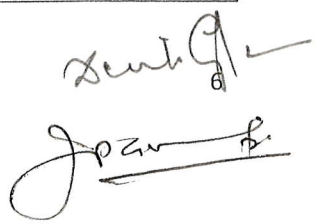
| Sl.No. | Criteria | Prior to the Accreditation Visit | After the Accreditation Visit | Remarks of the Evaluator (to be left Blank) | | |
|--------------------|--|----------------------------------|-------------------------------|---|---------------------------------|-----|
| 1 | Improvement in the number of Faculty Development program (FDP) | 114 | 212 | most FDP within state | | |
| 2 | Improvement in the number of Publications | 31 | 43 | number increased but quality publications still needs improvement | | |
| 3 | Quality of Publications | No. of papers in | | | | |
| | | Non SCI | 17 | | Non SCI | 20 |
| | | SCI/ESCI | 5 | | SCI/ESCI | 8 |
| | | SCOPUS | 5 | | SCOPUS | 8 |
| | | IEEE Conference/IET Conferences | 9 | | IEEE conference/IET Conferences | 15 |
| | | Books: | Nil | | Books: | Nil |
| Book's chapter: | Nil | Book's chapter: | 1 | | | |
| Patent/copyrights: | Nil | Patent/copyrights: | 1 patent (Filed) | | | |
| 4 | Amount of funded research received | Rs: 19.92 Lakhs Bh | Nil | during previous accreditation cycle. | | |
| 5 | Amount of funded consultancy | Nil | Rs: 1.72 Lakhs | Completed in 2016. < 2 lakhs. | | |
| 6 | Number of PhD. Produced | 0 | 0 | Verified. | | |
| 7 | Number of PhD. Pursuing | 12 | 19 | Verified | | |

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Compliance status – PART C (Overall Compliance)

| Sl.No | Parameter | Criteria | Observations | Actions taken | Remarks of the Evaluator (to be left blank) | | | | | | | | |
|-------------------------|---|-----------------|--|---|---|----|------------------------|-----------|-------------------------|----|-------------------|-----|---|
| 1 | Industry supported Laboratories Marks Obtained:(0/5) | Criteria 2.2.4A | Industry involvement in Program design is not shown | <p>Under Centre of Excellence – SoC Lab (EDGATE TECHNOLOGIES)</p> <ul style="list-style-type: none"> Workshops conducted on MSP430 <table border="1" data-bbox="901 521 1158 613"> <tr> <td>No of students attended</td> <td>75</td> </tr> </table> Faculty Internships <table border="1" data-bbox="901 642 1158 757"> <tr> <td>No of Faculty attended</td> <td>2 @Edgate</td> </tr> </table> Student Internships <table border="1" data-bbox="901 779 1158 871"> <tr> <td>No of students attended</td> <td>21</td> </tr> <tr> <td>List of Companies</td> <td>106</td> </tr> </table> <p> ↓ Industry experts are the members of Department Advisory Board to design the program beyond curriculum. ↓ Organising Open courses by inviting industry experts. ↓ Adjunct faculty from industry was appointed for partial delivery classes. ↓ Students were encouraged to take up projects in industry. </p> <p>MoU with KPIT Technologies Ltd. (Industry supported Courses)</p> <ul style="list-style-type: none"> ↓ Automotive Electronics ↓ AUTOSAR ↓ Placement support for students <p>MoU with Tata Elxsi</p> <ul style="list-style-type: none"> ↓ Faculty/student Internship ↓ Industrial Visit ↓ Faculty/Student Recognition ↓ Placement support for students <p>MoU with VOLVO Ltd.</p> <ul style="list-style-type: none"> ↓ Industrial Visit - faculty | No of students attended | 75 | No of Faculty attended | 2 @Edgate | No of students attended | 21 | List of Companies | 106 | <p>one industry supported lab established.</p> <p>→ minutes of meeting shown</p> <p>→ conducted.</p> <p>→ shows documents</p> |
| No of students attended | 75 | | | | | | | | | | | | |
| No of Faculty attended | 2 @Edgate | | | | | | | | | | | | |
| No of students attended | 21 | | | | | | | | | | | | |
| List of Companies | 106 | | | | | | | | | | | | |
| 2 | Events outside the state Marks Obtained: (1/3) | Criteria 4.6.3B | - | <p>Number of Events attended by students: 8</p> <p>Places:</p> <ul style="list-style-type: none"> • London, • Sydney-Australia, • Ahmadabad • University of Plymouth-UK <p>Accolades/Achievements: Conerence at Bangkok. All India Gate – 74th Rank – VINOD G Cognizance ambassador award – ROORKEE</p> | <p>no evidence shown for out of country event.</p> <p>however students participate in events within + outside state</p> | | | | | | | | |

| | | | | | |
|---|--|----------------|-----|---|--|
| 3 | Innovations by faculty in teaching-learning B. The work must be available for peer review and critique | Criteria 5.5 B | NIL | <ul style="list-style-type: none"> • Online video lectures are uploaded in Youtube by three course coordinators which are available for comments and suggestions. • Ten course coordinators are using ICT tools such as Google Class Room and EDMODO for class room collaboration with the students | <i>no evidence available.</i> |
| 4 | Consultancy(From Industry) Marks Obtained:(0/5) | Criteria 5.7.4 | NIL | <ul style="list-style-type: none"> • Initiated collaboration with CLIK,GIZ and SMEs in Bengaluru. • Received a consultancy worth 1.72 L for the development of spot welding box. The project was funded by GIZ(Deutsche Gesellschaft für Internationale Zusammenarbeit) | <i>→ Verified</i> |
| 5 | Improvement in Higher Studies Marks Obtained:(1/3) | Criteria 7.3B | - | <ul style="list-style-type: none"> • Higher education cell was established. • Higher Education Counsellor is appointed. • Various activities were conducted to promote higher education. • 35 students are pursuing higher education in the last three years (13 %) • 21 students have shown interest for going to higher studies from the ongoing semesters. | <i>Very few students opting for higher studies in entrepreneurship</i> |

Emil

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J.P.A.

Compliance status to Compliance Report-Tier II Institutions

| Sl.No | Pre Visit Qualifiers (Average of Assessment years) | Requirement for 3 years | YES/NO | Requirement for 6 years | YES/NO |
|-------|--|-------------------------|--|--|----------------------|
| 1 | Admissions in the undergraduate programs at the Institute level (average of the previous three academic years including Current Academic Year) | 50% | yes | 50% | yes |
| 2 | Admissions in the undergraduate programs under consideration (average of the previous three academic years including Current Academic Year) | 50% | yes | 75% | yes |
| 3 | Faculty student ratio in the department under consideration (Averaged over previous three academic years including Current Academic Year.) | 1:25 | 1:16 yes | 1:15 | yes NO |
| 4 | Atleast one Professor or one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department during previous two academic years including current academic year. | YES | yes | At least two Professors or one Professor and one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department for previous two years (including Current Academic Year). | yes |
| 5 | Number of available Ph.Ds. in the department (Averaged for previous two academic years including Current Academic Year.) | 10% | 4/23 16/10 18% yes | 30% | yes NO |
| 6 | Whether HODs possess Ph.D. degrees for the programs under consideration | NA | | YES | yes |

[Signature]

Prof. Ekam Hira
05/02/2019

Dr. J. P. Singh
(Prof. - Dir. of Emphs)
J.P. Singh
05-03-19
(Prof. J.P. Singh)

NATIONAL BOARD OF ACCREDITATION

Pro-forma for Evaluation of Compliance Report for Tier II institutions

Profile of the Institute

1. Name of the College: **BMS Institute of Technology and Management, Bengaluru**

2. Name of the program: **BE in Electrical and Electronics Engineering**

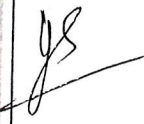

3. Current Accreditation period for which the compliance report is being submitted from:

1st July, 2016 to 30th June 2019

Compliance Status – PART A

| S.No. | Parameters | Minimum Requirement | Calculations | Remarks of the Evaluator |
|-------|--|---------------------|--------------|--------------------------|
| 1. | Attach the copy of the AICTE approval for the Current Academic Year | Enclosed ✓ | | yes |
| 2. | Attach the copy of University Affiliations for the Current Academic Year (If Applicable) | Enclosed ✓ | | yes |

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Prof. K. Ram H. S. C.
05/03/2019

| | | | | |
|----|---|-----|---|---|
| 3. | Admissions at the institute level average for the previous two academic years | 50% | <p>% Admissions = (Students Admitted/ Total Students Intake) X 100</p> <p>For the Academic Year (%):</p> <p>CAY_{m2} (2016-17) 475/480 = 98.95%</p> <p>CAY_{m1} (2017-18) 633/661 = 95.76%</p> <p>CAY (2018-19) 720/721 = 99.86%</p> <p>Average= 98.19%</p> |  |
| 4. | Admissions at the programme level average for the previous two academic years | 50% | <p>% Admissions = (Students Admitted/ Total Students Intake) X 100</p> <p>For the Academic Year (%):</p> <p>CAY_{m2} (2016-17) 60/60 = 100 %</p> <p>CAY_{m1} (2017-18) 55/60 = 91.67 %</p> <p>CAY (2018-19) 60/60 = 100 %</p> <p>Average= 95.83 %</p> |  |

5. Faculty Details of the Department (UG+PG):

| S.no. | Designation | CAY _{m1} 2017-18 | | | CAY 2018-19 | | | Remarks of the Evaluator |
|-------|---|---------------------------|--------------|---------------|-------------|--------------|---|--------------------------|
| | | With PhD. | | With out PhD. | With PhD. | | Without PhD. | |
| | | Regular | Contract-ual | | Regular | Contr-actual | | |
| 5a. | Professors | 1 ✓ | - | | 1 | | | |
| 5b. | Associate Professors | 1 ✓ | - | 1 | 1 ✓ | | One annual prog with- M.Tes shifts to be se Prof. | |
| 5c. | Assistant Professors | 1 ✓ | - | 1+11 =12 | 1 | 11+1=12 | | |
| 5d. | Total number of Faculty in the Department (UG+PG) | 3 | - | 12 | 3 | 12 | Verified | |





| 6. SFR Calculations | | | | | | | |
|---------------------|---|--|--|--|---------------------|--------------------------|---------------------------------|
| S.no. | Parameter | Calculations | Minimum Requirement | Academic Year | | | Remarks of the Evaluator |
| | | | | CAYm2 2016-17 | CAYm1 2017-18 | CAY 2018-19 | |
| 6a. | Total number of sanctioned intake at UG + Actual admitted lateral entry students + PG level for the previous two academic years | Total No. of Students in the Department (S) = UG1 + UG2+UGn + PG1 + PGm | - | S = 216 ✓ F = 14 ✓ <i>* First year faculty exclude</i> | S = 216 ✓ F = 13 | S = 216 ✓ F = 12 | Verified |
| 6b. | The student faculty ratio (SFR) in the department averaged for two previous academic years | SFR = S/F , Where S= Total number of students in the dept. and F= total number of faculty in the dept. | 1:25 | 216/14 = 15.42 | 216/13 = 16.61 | 216/12 = 18 | Average SFR = 16.67 Verified |
| S.No. | Parameters | Calculations | Prior to the Visit | After the visit | | Remarks of the Evaluator | |
| 7 | Improvement in success rate without backlog for past three batches | SI= (Number of students who have graduated from the program without backlog)/(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable) Average SI = mean of Success Index (SI) for past three batches | 2013-14, SI = 0.62 2014-15, SI = 0.51 2015 -16, SI = 0.66 Average SI = 0.596 | 2016-17, SI = 0.54 2017-18, SI = 0.42 Average SI = 0.48 | | Verified | |

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|---|--|--|--|---|--|
| 8 | <p>Improvement in success rate with backlog for past three batches</p> | <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 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>2013-14, SI = 0.32</p> <p>2014-15, SI = 0.38</p> <p>2015-16, SI = 0.21</p> <p>Average SI = 0.303</p> <p><i>Absolute number of students with backlog has decreased.</i></p> | <p>2016-17, SI = 0.28</p> <p>2017-18, SI = 0.36</p> <p>Average SI = 0.28</p> | <p><u>Verified</u></p> |
| 9 | <p>Improvement in Academic Performance for the previous three years</p> | <p>Academic Performance = Average API (Academic Performance Index)</p> <p>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 students in Second Year/10)) x (number of successful students/number of students appeared in the examination). Successful students are those who are permitted to proceed to the Third year.</p> | <p>2012-13, API = 5.29</p> <p>2013-14, API = 6.41</p> <p>2014-15, API = 5.81</p> <p>Average API = 5.84</p> | <p>2015-16, API = 6.10</p> <p>2016-17, API = 4.11</p> <p>2017-18, API = 5.45</p> <p>Average API = 5.22</p> | <p><i>There is slight decline</i></p> <p><u>Verified</u></p> |

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| S.No. | Criteria | Minimum Requirement | Calculations | Remarks of the Evaluator |
|-------|---|---------------------|---|--------------------------|
| 10 | The Placement + Higher Studies + Entrepreneurship ratio averaged for previous three academic years. | 40% | <p>The Placement + Higher Studies + Entrepreneurship Ratio = Z/N Where, Z = No. of students Placed + No. of students admitted for higher studies with valid qualifying scores in GATE or equivalent State or National Level Tests , GRE, GMAT + opted Entrepreneurship N= No. of Students appeared in final year examination For the Academic years:</p> <p>CAYm3 (2015-16) = 88% CAYm2 (2016-17) = 82% CAYm1 (2017-18) = 85%</p> <p>Average = 85%</p> | Uspis |

~~2017-18~~ 2017-2018 → Placed + HS + Entk
 $46 + 05 + 01 = 52/64$
 $= 81\%$

2016-17 → $43 + 03 + 0 = 46/56$
 $= 82\%$

2015-16 → $54 + 04 + 0 = 58/66 = 88\%$

Average 0.85

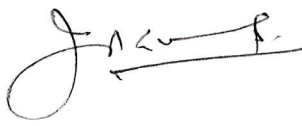

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Compliance Status – PART B (Faculty Research and Development)

| S.No. | Criteria | Prior to the Accreditation Visit | After the Accreditation Visit | Remarks of the Evaluator |
|-------|--|--|--|--------------------------------|
| 1 | Improvement in the number of Faculty Development program (FDP) | 31 ✓ | 80 ✓ <small>2016-17 (29) 2017-18 51 = 80</small> | Verified ✓ |
| 2 | Improvement in the number of Publications | 27 ✓ | (42) ✓ | Verified ✓ |
| 3 | Quality of Publications | <p>a. <u>No. of papers in</u> Non SCI - SCI - 13 /ESCI SCOPUS -4 IEEE conference/IET Conferences -10 Books Book's chapter</p> <p>b. <u>Patent/ copyrights</u></p> | <p>b. <u>No. of papers in</u> Non SCI - 29 SCI/ESCI -08 SCOPUS IEEE conference/IET Conferences 05 Books Book's chapter</p> <p>b. <u>Patent/ copyrights</u></p> | Scopus-6 <u>improvement</u> |
| 4 | Amount of funded research received | Rs 5,25,000/- | NIL | No funded research |
| 5 | Amount of funded consultancy | | Rs 5,000 ✓ | Verified ✓ |
| 6 | Number of PhD. Produced | -- | -- | |
| 7 | Number of PhD. Pursuing | 4 | (11) ✓ | Verified ✓ |



 05/03/2019

Compliance Status – PART C (Overall Compliance)

| S. No. | Parameter | Criterion | Observations | Remarks of the Evaluator |
|--------|--|-------------|--|---|
| 1. | Observations on the overall compliance to the deficiencies mentioned by the previous visiting team | Criterion 1 | NIL | |
| | | Criterion 2 | 2.1.2 Marks : 6/10 Comments: No efforts seen in the inclusion of curricular gaps in the curriculum | Curricular gaps identified communicate to the University Some of the steps illustrated |
| 2. | | | 2.2.1 Marks : 17/25 Comments: No innovations in teaching and learning | Project based learning ICT tools Blended learning ✓ |
| | | | 2.2.3 Marks : 18/25 Comments: Although good projects are seen but publications have not been done | Some student publications based on projects have been done |
| | | | 2.2.4 Marks : 6/15 Comments: R&D activity is non-existent | R & D activity is non-existent |
| 3. | | Criterion 3 | NIL | |
| 4. | | Criterion 4 | NIL | |
| | | Criterion 5 | 5.5 Marks : 0 / 20 Comments: NIL | Some innovations as is 2.2.1. |
| 5. | | | 5.7.2 Marks : 1/5 Comments: One Naval Research Board, GoI grant of 5.2 lacs | Proposal Submitted ✓ |
| | | | 5.7.4 Marks : 0/5 Comments: NIL | Nil |
| 6. | | Criterion 6 | NIL | |
| 7. | | Criterion 7 | NIL | |

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J. S. R.

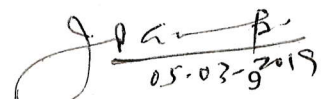
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Compliance Status to Compliance Report-Tier II Institutions

| S.N. | Pre Visit Qualifiers (Average of Assessment years) | Requirement for 3 years | YES/NO | Requirement for 6 years | YES/NO |
|------|---|----------------------------|------------------------------------|--|----------------------|
| 1 | Admissions in the undergraduate programs at the Institute level (average of the previous three academic years including Current Academic Year) | 50% | yes | 50% | yes |
| 2 | Admissions in the undergraduate programs under consideration (average of the previous three academic years including Current Academic Year) | 50% | yes | 75% | yes |
| 3 | Faculty student ratio in the department under consideration (Averaged over previous three academic years including Current Academic Year.) | 1:25 | 1:16.67 | 1:15 | No |
| 4 | At least one Professor or one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department during previous two academic years including current academic year. | YES | yes | At least two Professors or one Professor and one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department for previous two years (including Current Academic Year). | No yes |
| 5 | Number of available Ph.Ds. in the department (Averaged for previous two academic years including Current Academic Year.) | 10% | NO 3/15 = 20% 1/1 | 30% | No |
| 6 | The Placement + higher studies + Entrepreneurship percentage shall be greater than or equal to (average of the last three academic years) | 40% | yes | 40% | yes |
| 7 | Whether HODs possess Ph.D. degrees for the programs under consideration | NA | yes | YES | yes |


 05-03-2019

Prof. Elram Hussain


 05-03-2019
 (Prof. J.P.A. B.)

NATIONAL BOARD OF ACCREDITATION

Pro-forma for Evaluation of Compliance Report for Tier II institutions

Profile of the Institute

1. Name of the College: **BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BENGALURU 560 064**

2. Name of the program: **UG Program in "MECHANICAL ENGINEERING"**

3. Current Accreditation period for which the compliance report is being submitted from 1st July 2016 – 30th June 2019

Compliance Status – PART A

| Sl. No. | Parameters | Minimum Requirement | Calculations | Remarks of the Evaluator (to be left blank) |
|---------|--|---------------------|---|---|
| 1. | Attach the copy of the AICTE approval for the Current Academic Year | | Enclosed as "Annexure A" | <i>Verified attached</i> |
| 2. | Attach the copy of University Affiliations for the Current Academic Year (If Applicable) | | Enclosed as "Annexure B" | <i>Verified attached</i> |
| 3. | Admissions at the institute level average for the previous two academic years | 50% | <p>% Admissions = (Students Admitted/ Total Students Intake) X 100</p> <p>For the Academic Year (%)</p> <p>CAYm2 (2016-17): 475/480 = 98.96 %</p> <p>CAYm1 (2017-18): 633/661 = 95.76 %</p> <p>CAY (2018-19): 720/721 = 99.86 %</p> <p>Average= 98.19 %</p> | <i>Verified</i> |

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Joan¹

| | | | | |
|----|---|-----|--|----------|
| 4. | Admissions at the programme level average for the previous two academic years | 50% | <p>% Admissions = (Students Admitted/ Total Students Intake) X 100</p> <p>For the Academic Year (%)</p> <p>CAY_{m2} (2016-17): 59/60 = 98.33 %</p> <p>CAY_{m1} (2017-18): 60/60 = 100 %</p> <p>CAY (2018-19): 60/60 = 100 %</p> <p>Average = 99.44 %</p> | Verified |
|----|---|-----|--|----------|

5. Faculty Details of the Department (UG+PG):

| S.no. | Designation | CAY _{m1} 2017-18 | | | CAY 2018-19 | | | Remarks of the Evaluator (to be left blank) |
|-------|---|---------------------------|-------------|---------------|-------------|-------------|---------------|---|
| | | With PhD. | | With out PhD. | With PhD. | | With out PhD. | |
| | | Regular | Contractual | | Regular | Contractual | | |
| 5a. | Professors | 2 | - | | 4 | - | | improved |
| 5b. | Associate Professors | 2 | - | 1 | - | - | 1 | — |
| 5c. | Assistant Professors | 1 | - | 0/12 | 2 | - | 0/10 | |
| 5d. | Total number of Faculty in the Department (UG+PG) | 5 | - | 13 | 06 | - | 11 | Verified |
| | | Total 18 | | | Total 17 | | | |

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Jean R²

| 6. <u>SFR Calculations</u> | | | | | | | |
|----------------------------|---|--|--|--|--|--|---|
| S.no. | Parameter | Calculations | Minimum Requirement | Academic Year | | | Remarks of the Evaluator (to be left blank) |
| | | | | CAYm2 2016-17 | CAYm1 2017-18 | CAY 2018-19 | |
| 6a. | Total number of sanctioned intake at UG + Actual admitted lateral entry students + PG level for the previous two academic years | Total No. of Students in the Department (S) = UG1 + UG2+UGn + PG1 + PGm | - | 72+72+72 +18+18 =252 | 72+72+72 +18+18 =252 | 72+72+72 +18+18 =252 | <i>Very Good</i> |
| 6b. | The student faculty ratio (SFR) in the department averaged for previous two academic years | SFR = S/F, Where S= Total number of students in the dept. and F= total number of faculty in the dept. | 1:25 | S = 252 TF = 18 FY = 5 F= TF - FY = 13 1:19.3 | S = 252 TF = 18 FY = 5 F= TF - FY = 13 1:19.3 | S = 252 TF = 17 FY = 4 F= TF - FY = 13 1:19.3 | <i>Good</i> |
| | | | Avg | 1:19.3 | | | |
| S.No. | Parameters | Calculations | Prior to the Visit | After the visit | | Remarks of the Evaluator (to be left blank) | |
| 7. | Improvement in success rate without backlog for past three batches | SI= (Number of students who have graduated from the program without backlog)/(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable) Average SI = mean of Success Index (SI) for past three batches | 2013-14: 46/67 = 0.687 2014-15: 42/77 = 0.532 2015-16: 26/74 = 0.352 Avg = 0.52 ? | 2016-17: 29/82 = 0.354 2017-18: 30/84 = 0.357 Avg = 0.356 ? | | <i>Very Good</i> | |

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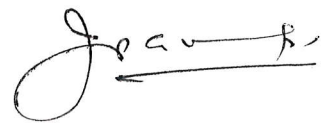
| | | | | | |
|----|--|--|---|--|---|
| 8. | <p>Improvement in success rate with backlog for past three batches</p> | <p>SI= (Number of students who graduated from the program in the stipulated period of course duration)/ (Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)</p> <p>Average SI = mean of Success Index (SI) for past three batches</p> | <p>2013-14: 24/67 = 0.36 2014-15: 23/77 = 0.29 2015-16: 31/74 = 0.42</p> <p><u>Avg = 0.35</u></p> | <p>2016-17: 37/82 = 0.45 2017-18: 32/84 = 0.38</p> <p><u>Avg = 0.42</u></p> | <p><i>U.S. Jais</i></p> |
| 9. | <p>Improvement in Academic Performance for the previous three years</p> | <p>Academic Performance = Average API (Academic Performance Index)</p> <p>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 students in Second Year/10)) x (number of successful students/number of students appeared in the examination). Successful students are those who are permitted to proceed to the Third year.</p> | <p>2013-14=6.81 2014-15=6.68 2015-16= 6.59</p> <p><u>Avg : 6.69</u></p> | <p>2016-17= 5.68 2017-18=6.53</p> <p><u>Avg: 6.105</u></p> | <p>There is slight decline.</p> <p><i>U.S. Jais</i></p> |

EnL

John B.4

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| S.No. | Criteria | Minimum Requirement | Calculations | Remarks of the Evaluator (to be left blank) |
|-------|---|---------------------|--|---|
| 10. | The Placement +Higher Studies+ Entrepreneurship ratio averaged for previous three academic years. | 40% | <p>The Placement +Higher Studies+ Entrepreneurship Ratio = Z/N Where, Z = No. of students Placed + No. of students admitted for higher studies with valid qualifying scores in GATE or equivalent State or National Level Tests, GRE, GMAT + opted Entrepreneurship N= No. of Students appeared in final year examination</p> <p>For the Academic years:</p> <p>CAYm3 (2015-16)=0.58 CAYm2 (2016-17)=0.48 CAYm1 (2017-18)=0.47 Average =0.51</p> <p style="text-align: right;">↓↓↓</p> <p style="text-align: center;">51%</p> |  |


Compliance status – PART B (Faculty Research and Development)

| S.No. | Criteria | Prior to the Accreditation Visit | After the Accreditation Visit | Remarks of the Evaluator (to be left Blank) |
|-------|--|--|--|---|
| 1 | Improvement in the number of Faculty Development program (FDP) | 32 | FDP=77 Internship=37 Total=114 | Verified |
| 2 | Improvement in the number of Publications | Journals: 17 Conferences: 17 | Journals: 31 Conferences: 05 | Verified |
| 3 | Quality of Publications | a. <u>No. of papers in</u> Non SCI- 13 SCI/ESCI SCOPUS- 04 ✓ IEEE conference/IET Conferences- 17 Books-02 Book's chapter - NIL b. <u>Patent/</u> copyrights - NIL | b. <u>No. of papers in</u> Non SCI- 13 SCI/ESCI SCOPUS- 18 ✓ IEEE conference/IET Conferences- 05 Books-04 → Book's chapter - NIL b. <u>Patent/</u> copyrights - NIL | improved. " nil |
| 4 | Amount of funded research received | 6 lakhs | NIL | nil |
| 5 | Amount of funded consultancy | NIL | NIL | nil |
| 6 | Number of PhD. Produced | 02 | 01 | decline |
| 7 | Number of PhD. Pursuing | 19 | 20 | improved |

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Compliance status – PART C (Overall Compliance)

| SL.No. | Parameter | Criteria | Observations | Remarks of the Evaluator (to be left blank) |
|--------|---|----------|--|--|
| 1. | Research / Publication | General | Research is weak and publication quality is not good Action Taken: Annexure I | <i>improved</i> |
| 2. | Industry role | General | Industry role is very limited though many executives are in PAC Action Taken: Annexure II | <i>improved internships by faculty also</i> |
| 3. | Faculty participation in outside activity | General | Faculty participation in outside activity is very few Action Taken: Annexure III | <i>improved</i> |
| 4. | Quality of Assignment and its relevance to COs | 2.2.2 D | No Assignments given Action Taken: Assignments are the part of the curriculum and included in the direct assessment and mapped with CO. The sample assignment questions and its evaluation sheet is attached. | <i>Verify</i> |
| 5. | Industrial training / tours for students | 2.2.5 A | Very few industry visits Action Taken: Annexure IV | <i>Industry visits are more.</i> |
| 6. | Participation in Inter Institute events outside the state | 4.6.3 B | Inadequate Action Taken: Annexure V | <i>improved outside participation</i> |
| 7. | Innovations by the faculty in Teaching and Learning must be made available on Institute website and available for peer review | 5.5 A, B | Highly Inadequate Action Taken: The teaching and learning material hosted in the college website and is available for peer review. | <i>Not significant but efforts have been made.</i> |
| 8. | Development Activities | 5.7.3 | Not much evident Action Taken: Annexure VI | <i>Verify</i> |

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|-----|-----------------------------|-------|---|---|
| 9. | Consultancy (From Industry) | 5.7.4 | <p>Deficient</p> <p>Action Taken: Efforts have been made for obtaining Industrial consultancy with the appointment of Dean (Research) and Research Consultant.</p> <p>Submitted a proposal to establish incubators under Ministry of MSME, Government of India. Team of MSME visited the institute for sanctioning the incubators. This facility will connect industries for getting consultancy.</p> | <p><i>Not sufficient</i></p> <p><i>Efforts have been made</i></p> |
| 10. | Visiting / Adjunct faculty | 5.9 | <p>Inadequate</p> <p>Action Taken: One Adjunct faculty Dr. Sampath Kumar, Former Joint Director, CPRI, Bengaluru has been appointed.</p> | <p><i>Not sufficient</i></p> |


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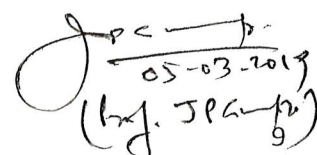
J. Sampath Kumar

Sampath Kumar

Compliance status to Compliance Report-Tier II Institutions

| SL.NO. | Pre Visit Qualifiers (Average of Assessment years) | Requirement for 3 years | YES/NO | Requirement for 6 years | YES/NO |
|--------|--|----------------------------|--------|--|--------|
| 1 | Admissions in the undergraduate programs at the Institute level (average of the previous three academic years including Current Academic Year) | 50% | yes | 50% | yes |
| 2 | Admissions in the undergraduate programs under consideration (average of the previous three academic years including Current Academic Year) | 50% | yes | 75% | yes |
| 3 | Faculty student ratio in the department under consideration (Averaged over previous three academic years including Current Academic Year.) | 1:25 | 1:19.3 | 1:15 | (NO) |
| 4 | Atleast one Professor or one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department during previous two academic years including current academic year. | YES | yes | At least two Professors or one Professor and one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department for previous two years (including Current Academic Year). | yes |
| 5 | Number of available Ph.Ds. in the department (Averaged for previous two academic years including Current Academic Year.) | 10% | yes | 30% | yes |
| 6 | The Placement + higher studies+ Entrepreneurship percentage shall be greater than or equal to (average of the last three academic years) | 40% | yes | 40% | yes |
| 7 | Whether HODs possess Ph.D. degrees for the programs under consideration | NA | yes | | yes |


 Elham Hossain
 05/03/2019


 05-03-2019
 (Prof. J.P. Camp)


 Derek Aske

Annexure I

D1: Research is weak and publication quality is not good

5.7.1 Number of quality publications in refereed / SCI Journals, Books and Book Chapter

5.7.2 Sponsored Research

Action Taken: Faculty members were motivated to write proposals for funding agencies. Training program regarding Research proposal writing and Research Methodologies conducted in the institute level. At the institution level Dr. Ravinder Prakash was appointed as Dean (Research) to promote and monitor research activities of various programs. Dr. M. B. Kiran has been appointed as Research Consultant. Tech Samshodhan, comprising of faculty from all the programmes is formed to strengthen research and to enhance quality of publications. A flexi time policy has been provided for researchers to conduct their research activities.

At present, the program has 6 doctorates and all other faculty members are pursuing their Ph.D. The Department of Mechanical Engineering is recognized by Visvesvaraya Technological University (VTU) as Research Center and several research scholars are pursuing their research through the center.

Proposals are submitted for funding agencies and awaiting their response. The quality and number of publication has improved. The Faculty have authored 4 books during this period.

| Sl. No. | Criteria | Prior to the Accreditation Visit | After the Accreditation Visit |
|---------|---------------------|--|---|
| 1 | Publication | Journals: 17 (Scopus: 4) Conferences: 17 | Journals: 31 (Scopus: 18) Conferences: 05 |
| 2 | Books Authored | 2 | 4 |
| 3 | Proposals Submitted | Sanctioned: 01 | Submitted: 09 |

Annexure II

D2: Industry role is very limited though many executives are in PAC

To provide Industry exposure to the students, 14 MoUs have been signed with various industries / research organisations. Industry members of the Department Advisory Board (DAB) assisted in establishing the contacts for MoU. Mr. Manjunath P, Senior Scientist, National Aerospace Laboratories, Bengaluru, one of the members of DAB was instrumental in making MoU with NAL, Bengaluru. The contact with industry is strengthened through various professional clubs.

Industries attached laboratory was established in the Department of Mechanical Engineering through the MoUs made. Engine and Gear box assembly unit have been sponsored by Toyota Kirloskar Motors Pvt Ltd. Multi cylinder assemblies have been sponsored by BMW India Pvt Ltd and Volvo India Pvt. Ltd.

Through the contact of DAB members, invited experts from industry delivered expert talks / Guest Lectures pertaining to our program. For some of the courses, course content is delivered partially by industrial experts.

| Sl. No. | Criteria | Prior to the Accreditation Visit | After the Accreditation Visit |
|---------|--------------------------------|----------------------------------|-------------------------------|
| 1 | Industry attached laboratory | Nil | 01 |
| 2 | MoU | 04 | 14 |
| 3 | Guest Lectures | 12 | 13 |
| 4 | Partial Delivery of the course | 01 | 03 |

Annexure III

D3: Faculty participation in outside activity (Professional) is very few

Many of the Faculty are interacting and participating in outside activities as BoS member, BoE Member, LIC Member, Chairing sessions, Delivering invited talks, Attended Faculty Development Program (FDP) and Industrial Internships. Faculty is in constant interaction with industries to strengthen their knowledge and also to develop contacts with industry experts. All the faculty members undergo 10 days Industry Internship every year to understand the technology knowhow.

| Sl. No. | Criteria | Prior to the Accreditation Visit | After the Accreditation Visit |
|---------|--|----------------------------------|-------------------------------|
| 1 | Faculty attending Industry Internship | Nil | 37 |
| 2 | Faculty participated in FDPs conducted outside | 21 | 23 |

Annexure IV

D5: Industrial training / tours for students (2.2.5 A)

Department encourages and supports students for industrial training and visits. The number of students undergoing training and number of industrial visits have considerably improved as compared to the previous accreditation period.

| Sl. No. | Criteria | Prior to the Accreditation Visit | After the Accreditation Visit |
|---------|---|----------------------------------|-------------------------------|
| 1 | Number of students undergoing Industrial Training | 113 | 237 |
| 2 | Number of Industrial Visits | 09 | 15 |

Annexure V

D6: Participation of students in Inter Institute events outside the state (4.6.3 B)

Students are encouraged along with financial assistance to participate in the events. The details of the participation is enclosed

| Name of the student | Name of the event | Venue |
|--|--|--|
| Vikesh Purbey, N. Nihal Rao, Kishor Naik and Suraj Bandothkar | Boeing IIT National Aeromodeling Competition at IIT Kharagpur during KSHITIJ 2018. Annual Tech Fest, 21.01.2018 | IIT Kharagpur |
| Varun Mohan and his team | ISIE Indian Karting Race (IKR) Pre virtual round of ISIE-Indian kart racing Organized by Imperial Society of Innovative Engineers. 24.02.2018 to 25.02.2018 | SRKR college of Engineering, Bheemavaram AP |
| Rohan V M, Shreyans Saklecha, Karan Manoj | SKYSPARKS, held at IIT Kanpur during TECHKRITI, Annual Technical Fest, 15.03.2018 | IIT Kanpur |
| Kaushik Balasundar and his team | Yantra Robotics competition scheduled to be held in March 2019 | IIT, Bombay |
| Divyam Garg and Team of 23 members | Rally Car Design Challenge(RCDC) 2018 23.02.2018 to 25.02.2018 | Thar Desert, Rajasthan |
| Varun and Team of 10 members | Indian Karting Race IKR 2019. Won Best Acceleration - Engine category 04.02.2018 to 10.02.2018 | Galgotia University, Greater Noida |
| Saman Siddibapa | International quiz, CAD center. participated countries: India, Sri Lanka and Malaysia students Won the first prize of \$1000.00 | BVB University, Hubballi |

Annexure VI

D8: Development Activities (5.7.3)

Action taken: Students and Faculty are provided with facilities to develop products / prototypes.

The following products were developed:

- Design and development of robotic arm.
- Single propeller all terrain drone.
- Eco-Kart and Solar Kart developed under SAE India Professional Club.

Many of the final year projects resulted in prototype.

Students have carried out “Project Based Learning” in odd and even semesters in interdisciplinary areas which help them to develop prototype.

The instruction manuals, models / charts are available in each Laboratory.

NATIONAL BOARD OF ACCREDITATION

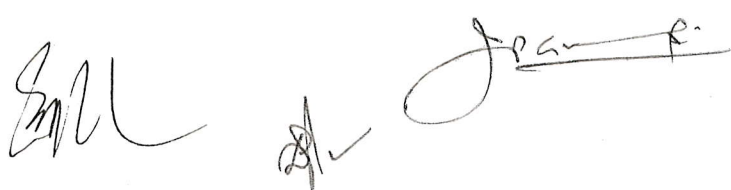
Pro-forma for Evaluation of Compliance Report for Tier II institutions

Profile of the Institute

1. Name of the College: BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
2. Name of the program: Telecommunication Engineering
3. Current Accreditation period for which the compliance report is being submitted from: 01/07/2016 to: 30/06/2019

Compliance Status - PART A

| Sl.No. | Parameters | Minimum Requirement | Calculations | Remarks of the Evaluator (to be left blank) |
|--------|--|---------------------|--|---|
| 1. | Attach the copy of the AICTE approval for the Current Academic Year | | Annexure - 1 | Verified |
| 2. | Attach the copy of University Affiliations for the Current Academic Year (If Applicable) | | Annexure - 2 | Verified. |
| 3. | Whether HODs possess Ph.D. degrees for the programs under consideration | YES | YES | YES Verified. |
| 4 | Admissions at the institute level average for the previous two academic years | 50% | $\% \text{ Admissions} = (\text{Students Admitted} / \text{Total Students Intake}) \times 100$ For the Academic Year (%) CAYm2 (2016-17): $475/480 = 98.96 \%$ CAYm1 (2017-18): $633/661 = 95.76 \%$ CAY (2018-19): $720/721 = 99.86 \%$ Average= 98.19% | Verified. |



| | | | | |
|---|---|-----|--|---------------------|
| 5 | Admissions at the programme level average for the previous two academic years | 50% | $\% \text{ Admissions} = (\text{Students Admitted} / \text{Total Students Intake}) \times 100$ For the Academic Year (%) $\text{CAYm2}(2016-17): 54/60 = 90\%$ $60/63 = 95.2\%$ $\text{CAYm1}(2017-18): 42/60 = 70\%$ $45/63 = 71.4\%$ $\text{CAY}(2018-19): 60/60 = 100\%$ $58/63 = 92\%$ $\text{Average} = 87\%$ 86.2% | Verified as edited. |
|---|---|-----|--|---------------------|

6 Faculty Details of the Department (UG+PG):

| Sl.No. | Designation | CAYm1 2017-18 | | | CAY 2018-19 | | | Remarks of the Evaluator (to be left blank) |
|--------|---|---------------|--------------|-----------------------------|-------------|--------------|-----------------------------|---|
| | | With PhD. | | Witho ut PhD. | With PhD. | | Witho ut PhD. | |
| | | Regular | Contr-actual | | Regular | Contr-actual | | |
| 6a. | Professors | 1 | -- | -- | 2 ✓ | -- | -- | } Verified as edited. |
| 6b. | Associate Professors | 1 | -- | 80 ⁸² | 1 ✓ | -- | 80 ⁸² | |
| 6c. | Assistant Professors | -- | -- | 8 ¹² | -- | -- | 11 ¹² | |
| 6d. | Total number of Faculty in the Department (UG+PG) | 2 | -- | 11 ¹² | 3 ✓ | -- | 11 ¹² | |

7. SFR Calculations

| Sl.No. | Parameter | Calculations | Minim um Requirement | Academic Year | | | Remarks of the Evaluator (to be left blank) |
|--------|---|---|----------------------|---|---|---|---|
| | | | | CAYm2 | CAYm1 | CAY | |
| | | | | 2016-17 | 2017-18 | 2018-19 | |
| 7a. | Total number of sanctioned intake at UG + Actual admitted lateral entry students + PG level for the previous two academic years | Total No. of Students in the Department (S) = UG1 + UG2+UGn + PG1 + PGm | - | [72*3] 216 70-11w 67-11w 64-11w | [72*3] 216 70-11w 69-11w 71-11w | [72*3] 216 60-11w 72-11w 69-11w | |

201 210 201 *

2016-17 WITH PHD W/O PHD

| | | |
|------------------|----------|-----------|
| Professors | 1 | |
| Asso. Professors | 1 | |
| Assi Professors | | 12 |
| | <u>2</u> | <u>12</u> |

Total = 612

* This number is calculated as the intake + 2 actual no. of admissions through lateral entry

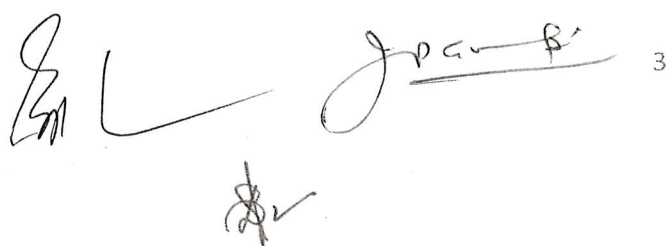
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| | | | | | | | |
|-----|--|--|------|--|----------------------------------|----------------------------------|---------------------|
| 7b. | The student faculty ratio (SFR) in the department averaged for previous two academic years | SFR = S/F, Where S= Total number of students in the dept. and F= total number of faculty in the dept. | 1:25 | $\frac{201}{14}$ 15.42 =1w35:1 | $\frac{210}{14}$ 15.42 15:0:1 | $\frac{201}{14}$ 15.42 1w35:1 | Verified as edited. |
|-----|--|--|------|--|----------------------------------|----------------------------------|---------------------|

| Sl.No. | Parameters | Calculations | Prior to the Visit | After the visit | Remarks of the Evaluator (to be left blank) |
|--------|------------|--------------|--------------------|-----------------|---|
|--------|------------|--------------|--------------------|-----------------|---|

| | | | | | |
|---|--|---|---|--|--|
| 8 | Improvement in success rate without backlog for past three batches | $SI = (\text{Number of students who have graduated from the program without backlog}) / (\text{Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable})$ Average SI = mean of Success Index (SI) for past three batches | 2012-16: $31/63=0.49$ 2011-15: $26/64=0.41$ 2010-14: $31/70=0.44$ Average $SI=0.446$ | 2014-18: $19/72=0.263$ 2013-17: $24/64=0.375$ Average $SI=0.319$ | Success Rate has considerably gone down especially in the year 2014-18 batch |
|---|--|---|---|--|--|

| | | | | | |
|---|---|--|--|--|---|
| 9 | Improvement in success rate with backlog for past three batches | $SI = (\text{Number of students who graduated from the program in the stipulated period of course duration}) / (\text{Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable})$ Average SI = mean of Success Index (SI) for past three batches | 2012-16: $16/63=0.254$ 2011-15: $24/64=0.375$ 2010-14: $18/70=0.257$ Average $SI=0.295$ *With & Without backlog $SI=0.446+0.295=0.74$ | 2014-18: $34/72=0.47$ 2013-17: $21/64=0.328$ Average $SI=0.399$ *With & Without backlog $SI=0.319+0.399=0.718$ | There is marginal decline in the Success Rate with backlog. |
|---|---|--|--|--|---|



| 10 | Improvement in Academic Performance for the previous three years | <p>Academic Performance = Average API (Academic Performance Index)</p> <p>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 students in Second Year/10)) x (number of successful students/number of students appeared in the examination). Successful students are those who are permitted to proceed to the Third year.</p> | <p>2013-14 : 4.59 5.6*49/60 = 4.59</p> <p>2012-13 : 4.85 5.87*52/63 = 4.85</p> <p>2011-12 : 5.83 6.12*60/63 = 5.83</p> <p>API for Second Year = 5.09</p> | <p>2017-18 : 6.36 6.5*47/48 = 6.36</p> <p>2016-17 : 3.82 4.35*48/55 = 3.8</p> <p>2015-16 : 4.82 5.6*56/65 = 4.82</p> <p>API for Second Year = 5.0</p> | Almost no change. |
|--------|---|--|---|---|-------------------|
| Sl.No. | Criteria | Minimum Requirement | Calculations | Remarks of the Evaluator (to be left blank) | |
| 10 | The Placement +Higher Studies+ Entrepreneurship ratio averaged for previous three academic years. | <p>40%</p> <p>Prior to visit</p> <p>2012-16: 39/47=0.829</p> <p>2011-15: 43/55=0.78</p> <p>2010-14: 43/49=0.88</p> <p>Average=0.829</p> <p>83%</p> | <p>The Placement +Higher Studies+ Entrepreneurship Ratio = Z/N Where, Z =No. of students Placed + No. of students admitted for higher studies with valid qualifying scores in GATE or equivalent State or National Level Tests , GRE,GMAT + opted Entrepreneurship N=No. of Students appeared in final year examination For the Academic years:</p> <p>Batches: 2014-18: 40/55=0.727 2013-17: 38/45=0.844 Average =0.79</p> <p>79%</p> | Verified. | |

Prof. Deevick English

Compliance status – PART B (Faculty Research and Development)

| Sl.No. | Criteria | Prior to the Accreditation Visit | After the Accreditation Visit | Remarks of the Evaluator (to be left Blank) |
|--------|--|---|---|---|
| 1 | Improvement in the number of Faculty Development program (FDP) | 67 | 115 85 | Improvement noted. |
| 2 | Improvement in the number of Publications | 46 | 36 | Total number has gone down. |
| 3 | Quality of Publications | Non SCI 38 SCI/SCOPUS 01 IEEE Conf 07 | 16 05 15 -- -- | Scopus indexed papers have gone up from 1-15. |
| | | a. No. of papers in Non SCI SCI/ESCI SCOPUS IEEE conference/IET Conferences Books Book's chapter b. Patent/ copyrights | # Filed. | Verified. |
| 4 | Amount of funded research received | Rs. 8000/- | Rs. 23,000/- Rs. 33,000/- | Verified. |
| 5 | Amount of funded consultancy | NIL | Rs. 14,500/- | Verified. |
| 6 | Number of PhD. Produced | NIL | NIL | No change. |
| 7 | Number of PhD. Pursuing | 10 | 10 | No change. |

Compliance status – PART C (Overall Compliance)

| Sl.No. | Parameter | Criteria | Observations | Remarks of the Evaluator (to be left blank) |
|--------|--|----------|---|---|
| 1 | Observations on the overall compliance to the deficiencies mentioned by the previous visiting team | Overall | i. Research Publications & Research activities like Ph.D Guidance are very poor ii. Mapping / Outcome based education is not clearly understood iii. SWOT analysis is not reflected in the SAR report | |

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Compliance status – PART C (Overall Compliance)

Action taken

| Sl.No. | Criteria | Observations | Remarks of the Evaluator (to be left blank) | Remarks | |
|--|---|---|---|------------------|--|
| 1 | Overall | i. Research Publications & Research activities like Ph.D Guidance are very poor ii. Mapping / Outcome based education is not clearly understood iii. SWOT analysis is not reflected in the SAR report | <ul style="list-style-type: none"> Improvement in SCI publications. Two Ph.D guides are available, guiding three research Scholars (Three Research scholars are awaiting registration) Mapping is understood and analyzed SWOT analysis is done | <i>Verified.</i> | |
| | Criteria 1 (whichever applicable) | -- | | | |
| | Criteria 2 (whichever applicable) | | | | |
| | 2.1.2: State the delivery details of the content beyond the syllabus for the attainment of POs and PSOs | | | | |
| | A. Steps taken to get identified gaps included in the curriculum (letter to the university / BOS) (2) | Curricular gaps not identified, no evidence of letter to university regarding this is observed(0) | <ul style="list-style-type: none"> Gaps identified BOS Communication documents available | <i>Verified.</i> | |
| | B. Delivery details of the content beyond the syllabus (5) | | <ul style="list-style-type: none"> Expert talks- 18 (including 2015-16) Industry visits - 08 Workshops /open courses conducted-04 | | |
| | C. Mapping of the content beyond the syllabus with the POs and PSOs (3) | Mapping of content beyond syllabus is missing(0) | | | |
| 2.2.1: Describe the process followed to improve the quality of teaching learning | | <ul style="list-style-type: none"> Student Feedback on faculty is available | | | |

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| | | | |
|---|---|---|---|
| G. Student feedback on teaching learning process and actions taken(6) | Student Feedback on teaching learning process and action not taken. (0) | <ul style="list-style-type: none"> Faculty with feedback less than 60% is counseled | Verified |
| 2.2.4: Initiatives relative to industry interaction A. Industry supported laboratories (5) | Industry supported lab does not exist.(0) | MOU has been signed and 1 st phase components have been received from ELINT LABZ | Process has been initiated but so far no industry supported lab exists. |
| 2.2.5: Initiatives related to industry internship / summer training D. Student feedback on initiative (4) | Student feedback on initiative not done properly.(0) | Student internship is in practice and impact on the feedback is available | Verified |
| Criteria 3 (whichever applicable) | -- | | |
| Criteria 4 (whichever applicable) | -- | | |
| 4.6.1: Professional societies / Chapters and organizing engineering events B. Number, quality of engineering events (organized at institute) (2) | Professional Activities and involvement of professional societies not observed for CO-PO mapping and for the improvement of the program (0) | Mapping of POs has been carried out for activities in association with IETE. | Verified |
| Criteria 5 (whichever applicable) | | | |
| 5.5. Innovations by the Faculty in Teaching and Learning A. The work must be made available on institute website (4) | No proper documentary evidences exists in institute website (0) | <ul style="list-style-type: none"> Study materials are made available in institution website & D - space. Projects videos & instructions are available in telecommunication you-tube channel. | Some innovations are available on the Website. |
| 5.7.1: Academic Research B. PhD guided /PhD awarded during the assessment period while working in the institute (4) | Ph.D guidance is zero (0) | <ul style="list-style-type: none"> One faculty awarded Ph.D during 2016-17. Two Ph.D guides are available, guiding three research Scholars (Three Research scholars are | Faculty is guiding 5 Ph.D students. |

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|--|---|--|---------------------------|
| | | awaiting registration) | |
| 5.7.2.Sponsored Research (5) Funded research from outside; Cumulative during assessment years: Amount > 20 Lacs - 5 Marks Amount >= 16 Lacs and <= 20 Lacs - 4 Marks Amount >= 12 Lacs and < 16 lacs - 3 Marks Amount >= 8 Lacs and < 12 lacs - 2 Marks Amount >= 4 Lacs and < 8 lacs - 1 Mark Amount < 4 Lacs - 0 Mark | Sponsored Research projects not present (0) | <ul style="list-style-type: none"> • Efforts are made to get few funds from, VGST • Components / Funds received from DST & Texas Instruments and KSCST. | — |
| 5.7.3: Development activities A. Product Development B. Research Laboratories C. Instructional Materials D. Working models / charts/ monograms etc. | No development activities observed. (0) | <ul style="list-style-type: none"> • Four inter-discipline projects are carried out. • Research lab is established with required software's and hardware's • Lab manuals are made available in Institute website and D-space. • Relevant Charts are displayed in labs. | Some progress is seen. |
| 5.7.4: Consultancy (from industry) Consultancy cumulative during the assessment years Amount > 10 lakhs (5) Amount >= 8 lakhs and <=10 lakhs (4) Amount >= 6 lakhs and <8 lakhs (3) Amount >= 4 lakhs and <6 lakhs (2) Amount >= 2 lakhs and < 4 lakhs (1) Amount < 2 lakhs - (0) | No consultancy eg. Projects (0) | <ul style="list-style-type: none"> • Four consultancy works are carried out for Rs. 14,500/- | Some improvement is seen. |
| Criteria 6 (whichever applicable) | — | | |

Devika P

JML

J.P. Gupta

| | | | | |
|--|---|---------------------------------------|-----------------------------------|---|
| | Criteria 7 (whichever applicable) | | | |
| | 7.3: Improvement in Placement, Higher Studies and Entrepreneurship C. Improvement in number of Entrepreneurs (2) | Entrepreneurs involvement missing (0) | A few entrepreneurs are available | One student has become an Entrepreneur during last 3 years. |

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Compliance status to Compliance Report-Tier II Institutions

| Sl.No. | Pre Visit Qualifiers (Average of Assessment years) | Requirement for 3 years | YES/NO | Requirement for 6 years | YES/NO |
|--------|--|----------------------------|----------------|--|----------------------|
| 1 | Admissions in the undergraduate programs at the Institute level (average of the previous three academic years including Current Academic Year) | 50% | YES | 50% | YES ✓ gh |
| 2 | Admissions in the undergraduate programs under consideration (average of the previous three academic years including Current Academic Year) | 50% | YES | 75% | YES ✓ gh |
| 3 | Faculty student ratio in the department under consideration (Averaged over previous three academic years including Current Academic Year.) | 1:25 | YES | 1:15 | YES NO ✓ gh |
| 4 | Atleast one Professor or one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department during previous two academic years including current academic year. | YES | YES | At least two Professors or one Professor and one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department for previous two years (including Current Academic Year). | YES ✓ gh |
| 5 | Number of available Ph.Ds. in the department (Averaged for previous two academic years including Current Academic Year.) | 10% | YES ✓ gh | 30% | NO gh |
| 6 | The Placement + higher studies+ Entrepreneurship percentages shall be greater than or equal to (average of the last three academic years) | 40% | YES | 40% | YES ✓ gh |
| 7 | Whether HODs possess Ph.D. degrees for the programs under consideration | NA | YES | YES | YES ✓ gh |

gh 05/02/19
Prof. E. K. Ramthani

J. P. A. R.
05-03-19
(Prof. J. P. A. R.)

Devt. P. 2
Prof. Deekha E. S. R.