

PERFORMANCE AUDIT FORMS (FINAL ROUND under TEQIP-II)

INSTITUTIONAL PERFORMANCE PROFILE

NAME OF PERFORMANCE AUDITOR: Prof. J. Srihari Rao

DATES OF PERFORMANCE AUDIT: 22-24, August 2016

NAME OF INSTITUTION WITH LOCATION: BMS College of Engineering, Bull Temple Rd, Bangalore 560019

PIP REF	INSTITUTIONAL PERFORMANCE PROFILE	OVERALL EVALUATION GRADES
COMPONENT 1: IMPROVING THE QUALITY OF EDUCATION IN SELECTED INSTITUTIONS		
1.1	STRENGTHENING INSTITUTIONS TO IMPROVE LEARNING OUTCOMES AND EMPLOYABILITY OF GRADUATES	1(one)
1.2	SCALING-UP POSTGRADUATE EDUCATION AND DEMAND-DRIVEN RESEARCH AND DEVELOPMENT AND INNOVATION	1(one)
1.2.1	ESTABLISHING CENTRES OF EXCELLENCE	1(one)
1.3	FACULTY DEVELOPMENT FOR EFFECTIVE TEACHING (PEDAGOGICAL TRAINING)	1(one)
COMPONENT 2: IMPROVING SYSTEM MANAGEMENT		
2.1	CAPACITY BUILDING TO STRENGTHEN MANAGEMENT	1(one)
2.1.1	IMPLEMENTATION OF GOOD GOVERNANCE	1(one)
2.2	PROJECT MANAGEMENT, MONITORING AND EVALUATION	1(one)

INSTITUTIONAL PERFORMANCE PROFILE GRADES AND GRADE DESCRIPTORS	
1.	Substantial evidence of good practice in the quality and standards achieved (Assessment identifies clear supporting evidence for at least 75% of the relevant practices.)
2.	Some evidence of good practice in the quality and standards achieved (Assessment identifies clear supporting evidence for at least 50% of the relevant practices.)
3.	Not in place (there may be one of the three primary reasons for this: a) no evidence can be found, b) there is evidence, but it is not of acceptable quality, or c) that there are plans for development but these have not yet taken place – in which case the auditor can indicate the expected date of completion/implementation but the grade should remain 3.)

NOTE: Supporting evidence: The grade descriptors have two elements: one relating to the amount of the evidence (none, some or substantial); and one relating to the quality of the practice about which the evidence is gathered (is it good quality, or not?). So, for example, a grade of 1 means both that the evidence is good quality and that there is a substantial amount to demonstrate that it is of good quality (75% or more for the practices found).

J Srihari Rao

PERFORMANCE AUDIT FORM (1.1)

COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS

NAME OF PERFORMANCE AUDITOR: Prof.J.Srihari Rao

DATES OF PERFORMANCE AUDIT: 22-24, August 2016

NAME OF INSTITUTION WITH LOCATION: BMS College of Engineering, Bull Temple Rd, Bangalore 560019

1.1: STRENGTHENING INSTITUTIONS TO IMPROVE LEARNING OUTCOMES AND EMPLOYABILITY OF GRADUATES

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE <small>(NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)</small>
<p>A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions, including:</p> <ul style="list-style-type: none"> ▪ Increase in the satisfaction index of student and faculty 	<p>Efforts were made to augment various resources for providing quality higher education. Addition of sophisticated equipment and important Learning Resources and Software has augmented various Laboratories.</p> <p>The campus wide networking facility enabled the institution ubiquitous network connectivity through WIFI. The centralized data/computer centre has enhanced optimum utilization of the resources by the faculty and students thereby providing:</p> <ul style="list-style-type: none"> • Research facilities through high end work station • Campus-wide access to online international journals • Enabling the available Software through single source • Anti-Virus & Email Spam Control using Symantec bright mail • Hosting of college website & official mailing and messaging • 24x7 Internet facility • Intrusion Prevention through Firewalls & Virus wall • Content filtering through Fortigate • Internet and Intranet facility at hostels <p>Many new laboratories such as GIS Laboratory, Networking and Applications Laboratory, Vibration Measurement System Lab, Structural Loading Frame Facility etc were established and many more were strengthened. Implementation of TEQIP-II augmented the activities initiated during TEQIP-I resulted in</p> <ul style="list-style-type: none"> • Giving impetus to research activities by faculty and students. • Increased professional publications • Increased quality projects • Improved interface with Industry • Participation of Staff and Students in Community service • Supplemented the student's projects, research and developmental activity.
<p>B. Obtaining Academic Autonomy status, including:</p> <ul style="list-style-type: none"> ▪ Number of institutions that have obtained 'Autonomous Institution status' as per University Grants Commission process within 2 years of joining the Project, or 	<p>Participation of the institution in TEQIP Phase-I has paved for the institution to become Autonomous institution at the end of Phase-I.</p> <p>The UG Programs of the institution became autonomous from the academic year 2008-09.</p>
<ul style="list-style-type: none"> ▪ Effectiveness of utilization of academic autonomy possessed/ obtained <i>(See Table-26 in PIP)</i> 	<p>Central facilities and departmental clusters were formed to ensure optimum utilization and devoid of duplication of resources in all the programme components of the project.</p> <p>Implementation of Autonomy helped the institution in developing the curriculum by including the topics that are more relevant to the industry and also to implement alternate assessment methods for evaluation as part of the continuous internal evaluation.</p>

C. Effort made by Institutions for upgrading qualifications of faculty members, including: <ul style="list-style-type: none"> ▪ Percentage of faculty enrolled in M Tech and PhD 	The institution continued its efforts in upgrading qualifications of faculty that resulted in, all the faculty with minimum M. Tech. qualification. Considerable improvement can be seen in the number of faculty with Ph. D.
D. Existing teaching and staff vacancies and effort made by Institutions for filling the vacancies, including: <ul style="list-style-type: none"> ▪ Percentage of faculty and staff positions filled and vacant 	The institution has filled all the vacancies and is maintaining teacher student ratio of 1:14
<ul style="list-style-type: none"> ▪ Increase in faculty appointed on regular basis 	All the faculty are appointed on regular basis
E. Effectiveness of equity at Institutional level, including: <ul style="list-style-type: none"> ▪ Transition rate of students from the First to the Second year in Undergraduate programmes 	The transition rate from first year to second year without any failures, is improved from 71% to 75%
Evidence: Visits to the laboratories, interaction with students and faculty, data audit reports and the institutional response.	
OVERALL EVALUATION GRADE FOR 1.1 1(one) USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)	

J. S. K. O.

PERFORMANCE AUDIT FORM (1.2)

COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS

NAME OF PERFORMANCE AUDITOR: Prof. J. Srihari Rao

DATES OF PERFORMANCE AUDIT: 22-24, August 2016

NAME OF INSTITUTION WITH LOCATION: BMS College of Engineering, Bull Temple Rd, Bangalore 560019

1.2: SCALING-UP POSTGRADUATE EDUCATION AND DEMAND-DRIVEN RESEARCH & DEVELOPMENT AND INNOVATION

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
<p>A. Effectiveness of funds utilised for the teaching, training, learning and research equipment, library, computers, etc. by the institutions, including:</p> <ul style="list-style-type: none"> ▪ Increase in the satisfaction index of student and faculty 	<ul style="list-style-type: none"> • New Equipment, Software, Workstations and Netbooks have been procured. (Annexure I) • Thrust is given for procurement of equipment for PG Labs and R & D activities • Out of seven new laboratories two are established during 2015-16, Other 5 were established earlier. • 18 existing laboratories are modernized by the addition of new equipment • ANSYS 16.2 Academic Multi Physics Campus Solution, LIBSYS Library Software and Turnitin Anti-plagiarism Software have been added to the Library, • Campus license with unlimited number of users for MATLAB • Modernized Audio Visual Classroom has been setup under QEEE. • Significant number of in-house FDPs, Workshops and Seminars have been conducted • Faculty members have been sponsored for participating in various academic programs. • PG Students/Ph.D. scholars are encouraged to present research papers in conferences in addition to providing Assistantships • Students and faculty members expressed satisfaction with facilities provided and the activities of TEQIP-II <p>Evidence: Personal interaction</p>
<p>B. Effectiveness of scaling-up Postgraduate Technical Education, including:</p> <ul style="list-style-type: none"> ▪ Increased enrolment for M.Tech. and PhD 	<p>College offers 13 PG (M. Tech.) Programmes with an annual intake of 258 seats. Admissions to these Programmes are through KEA-PGET based on either GATE scores or the rank obtained at the PGET conducted by the Govt. of Karnataka.</p> <p>College has been attracting good number of (about 60%) GATE scholars and 91% of seats are filled-up in the current year. 210 scholars have registered for Ph.D. (Including 26 full time research scholars) during TEQIP-II.</p>
<ul style="list-style-type: none"> ▪ Establishment of proposed laboratories 	<p>Seven new laboratories are established for PG programs</p>
<ul style="list-style-type: none"> ▪ Cumulative number of assistantships granted 	<p>Teaching Assistantships are awarded to 310 non-Gate students under TEQIP II.</p>

<p>C. Progress/achievement in starting new Postgraduate programmes, including:</p> <ul style="list-style-type: none"> ▪ Securing AICTE approval 	<p>Five Post Graduate (M.Tech) Programmes have been started during the project period with the approval of AICTE enhancing the total intake by 114 seats (from 144 to 258). The details are provided hereunder:</p> <table border="1" data-bbox="817 207 1713 422"> <thead> <tr> <th>SNo</th> <th>Name of the M.Tech. Program</th> <th>Year of Commencement</th> <th>Intake</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Computer Network Engineering [IS]</td> <td>2011-12</td> <td>18</td> </tr> <tr> <td>2</td> <td>Bio-Chemical Engineering[CH]</td> <td>2013-14</td> <td>24</td> </tr> <tr> <td>3</td> <td>Bio-medical Signal processing & instrumentation [ML]</td> <td>2013-14</td> <td>24</td> </tr> <tr> <td>4</td> <td>VLSI & Embedded Systems [EC]</td> <td>2014-15</td> <td>24</td> </tr> <tr> <td>5</td> <td>Manufacturing Science & engineering [ME]</td> <td>2014-15</td> <td>24</td> </tr> </tbody> </table>	SNo	Name of the M.Tech. Program	Year of Commencement	Intake	1	Computer Network Engineering [IS]	2011-12	18	2	Bio-Chemical Engineering[CH]	2013-14	24	3	Bio-medical Signal processing & instrumentation [ML]	2013-14	24	4	VLSI & Embedded Systems [EC]	2014-15	24	5	Manufacturing Science & engineering [ME]	2014-15	24
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<ul style="list-style-type: none"> ▪ Establishment of laboratories 	<p>Established 4 new laboratories for new PG Programmes, 3 new laboratories for existing PG Programmes and strengthened 18 existing laboratories as detailed in the Annexure-II</p>																								
<ul style="list-style-type: none"> ▪ Adequacy of student enrolments 	<p>Adequate number (234/258) of students are enrolled in the PG Programmes including those newly started.</p> <table border="1" data-bbox="817 566 1825 774"> <thead> <tr> <th>S.No.</th> <th>Name of the new M. Tech. Program</th> <th>Intake</th> <th>Enrolment 2015-16</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Computer Network Engineering [IS]</td> <td>18</td> <td>18</td> </tr> <tr> <td>2</td> <td>Bio-Chemical Engineering [CH]</td> <td>24</td> <td>11</td> </tr> <tr> <td>3</td> <td>Bio-medical Signal processing & instrumentation [ML]</td> <td>24</td> <td>18</td> </tr> <tr> <td>4</td> <td>VLSI & Embedded Systems [EC]</td> <td>24</td> <td>22</td> </tr> <tr> <td>5</td> <td>Manufacturing Science & engineering [ME]</td> <td>24</td> <td>23</td> </tr> </tbody> </table>	S.No.	Name of the new M. Tech. Program	Intake	Enrolment 2015-16	1	Computer Network Engineering [IS]	18	18	2	Bio-Chemical Engineering [CH]	24	11	3	Bio-medical Signal processing & instrumentation [ML]	24	18	4	VLSI & Embedded Systems [EC]	24	22	5	Manufacturing Science & engineering [ME]	24	23
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<p>D. Effectiveness of collaborations made with other Institutions in India and abroad, including</p> <ul style="list-style-type: none"> • Increase in number of co-authored publications in refereed journals 	<p>College has forged collaborations with institutions like Maastricht University, Netherlands, GENT University, Belgium, Entrepreneurship Development Institute [EDI], Allahabad and through Projects under Council of Scientific Research [CSIR]. Actively participating in Quality Enhancement in Engineering Education [QEEE], an MHRD initiative wherein live classes, Programmes on MOOCs are conducted by Professors from IITB, IITM, IITK and IITD. A report on QEEE activities is at Annexure III</p>																								
<p>E. Increased collaboration with industry in research and development, including:</p> <ul style="list-style-type: none"> ▪ Increase in number of joint and industry sponsored research and development work undertaken 	<ul style="list-style-type: none"> • Industry sponsored R&D projects are in vogue [ABB, Forus, Nanopix, DUCOM & NI] Annexure-IV • Academic linkages (13) through MOUs have been executed for Joint Research and Development. Details are provided in Annexure-V <table border="1" data-bbox="1153 1005 1747 1077"> <thead> <tr> <th>2011</th> <th>2012</th> <th>2013</th> <th>2014</th> <th>2015</th> </tr> </thead> <tbody> <tr> <td>02</td> <td>02</td> <td>02</td> <td>05</td> <td>02</td> </tr> </tbody> </table>	2011	2012	2013	2014	2015	02	02	02	05	02														
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<ul style="list-style-type: none"> ▪ Increase in financial contribution by industry for R & D 	<p>Department of Medical Electronics has set up 'Digital X-Ray Machine facility' at a cost of Rs.6 lakhs sponsored by M/s. EHE Pvt. Ltd, Bangalore.</p> <p>Department of ECE has established "Keysight-BMSCE Advanced Communication Lab" in collaboration with M/s. Keysight Technologies.</p> <p>Department of TCE is working towards establishment of NI Lab with contribution from M/s National Instruments</p>																								
<ul style="list-style-type: none"> ▪ Increase in industry personnel registered for Masters and Doctoral programmes 	<p>PG Programmes in Power Electronics, Machine Design, Environmental Engineering have admitted students based on sponsorship from employers during the academic years 2013-14 and 2014-15 [Annexure-VI]</p>																								
<ul style="list-style-type: none"> ▪ Increase in industry personnel trained by the institution in knowledge and/or skill areas 	<p>The college has conducted a six weeks skill enhancement/training programme for the employees of SCANIA during 10th June 2013 to 2nd August 2013. The training featured lectures and hands on training sessions. It focused on aspects related to machine drawing, metrology, thermal and managerial aspects.</p> <p>National/international conferences conducted by the college has resulted in presentation of research papers co-authored by the faculty with the industry personnel.</p>																								

<ul style="list-style-type: none"> Increase in the number of consultancy assignments secured 	<p>The number of consultancy assignments received by the college is as under</p> <table border="1" data-bbox="786 268 1832 387"> <thead> <tr> <th>Year</th> <th>2010-11</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> <th>2014-15</th> <th>2015-16</th> </tr> </thead> <tbody> <tr> <td>Number of consultancy assignments</td> <td>43</td> <td>57</td> <td>85</td> <td>82</td> <td>85</td> <td>88</td> </tr> </tbody> </table> <p>Evidence: Audited statements dated 31 March 2015</p>	Year	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	Number of consultancy assignments	43	57	85	82	85	88				
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<ul style="list-style-type: none"> Increase in the number of students' and faculty visits to and/or training in industry 	<p>The details of industrial visits organised : [Annexure-VII]</p> <table border="1" data-bbox="786 528 1765 624"> <thead> <tr> <th>Period</th> <th>2010</th> <th>2011</th> <th>2012</th> <th>2013-2014</th> <th>Sep 2014 to July 2016</th> </tr> </thead> <tbody> <tr> <td>Number of industrial visits</td> <td>32</td> <td>52</td> <td>45</td> <td>57</td> <td>72</td> </tr> </tbody> </table> <p>34% of students have taken up industrial internship</p>	Period	2010	2011	2012	2013-2014	Sep 2014 to July 2016	Number of industrial visits	32	52	45	57	72						
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<ul style="list-style-type: none"> Improvements in graduate placement rate 	<p>Placement details</p> <table border="1" data-bbox="869 778 1585 898"> <thead> <tr> <th></th> <th>2012</th> <th>2013</th> <th>2014</th> <th>2015-16</th> </tr> </thead> <tbody> <tr> <td>UG</td> <td>83%</td> <td>75%</td> <td>77%</td> <td>88%</td> </tr> <tr> <td>PG</td> <td>48%</td> <td>38%</td> <td>44%</td> <td>58%</td> </tr> </tbody> </table> <p>Evidence: MIS and Data Auditor's Report</p>		2012	2013	2014	2015-16	UG	83%	75%	77%	88%	PG	48%	38%	44%	58%			
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<ul style="list-style-type: none"> Increase in involvement of industry experts in curricula & syllabi improvements, laboratory improvements, evaluation of students and delivering expert lectures 	<p>(i) Experts from Industries are inducted in the Board of Studies [BOS] of the departments and Academic Council [AC]. Meetings of BOS and Academic Council are held regularly to discuss the updating of curricula & Syllabi.</p> <p>(ii) BOS & AC are constituted as per V T U regulations.</p> <p>(iii) More than 300 guest lectures by industry experts have been organized.</p> <p>(iv) On recommendations by the industry personnel [members of BOS & AC], the syllabus of the following courses have been updated.</p> <table border="1" data-bbox="831 1126 1906 1398"> <thead> <tr> <th>Name of the Department</th> <th>Name of the course</th> <th>Industry that recommended the course</th> </tr> </thead> <tbody> <tr> <td>Industrial Engineering & Management</td> <td>Statistical Quality Control</td> <td>SAP</td> </tr> <tr> <td>Computer Science & Engineering</td> <td>Building Enterprise Applications</td> <td>Infosys</td> </tr> <tr> <td>Electronics & Communications Engineering</td> <td>Embedded System & Micro controllers</td> <td>ARM</td> </tr> <tr> <td>Mechanical Engineering</td> <td>Mechatronics</td> <td>BOSCH</td> </tr> <tr> <td>Medical Electronics</td> <td>Medtech Invention & Medical Device Development</td> <td>InnAceel (2015)</td> </tr> </tbody> </table>	Name of the Department	Name of the course	Industry that recommended the course	Industrial Engineering & Management	Statistical Quality Control	SAP	Computer Science & Engineering	Building Enterprise Applications	Infosys	Electronics & Communications Engineering	Embedded System & Micro controllers	ARM	Mechanical Engineering	Mechatronics	BOSCH	Medical Electronics	Medtech Invention & Medical Device Development	InnAceel (2015)
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	<p>(v) Experts are drawn from the industry to evaluate the final year UG student projects, since 2014. Institute is adjudicating the best projects at both department and institute level and honoring the winners in collaboration with the industry. This is to be seen from the minutes of the BOG displayed on the college website.</p> <p>(vi) College is conducting an annual Technical Symposium in collaboration with the personnel from the Industry. The event is named as PHASE SHIFT. The PHASE SHIFT has its focus on enhancing industry institution interaction, associating the industry personnel in the co-curricular activities of the institution. It created a unique platform for the panel discussion on Industry-Institute Interaction, presentation of student projects, technical paper presentations by students, product presentations by the industry, interaction among the faculty and experts from the industry, workshops/seminars to the students from experienced resource persons from the industry, student competitions on various technical skill sets, interactions with Alumni having successful entrepreneurship background. PHASE SHIFT 2016 is scheduled during September 23-25, 2016.</p> <p>[Annexure-VIII]</p> <p>The presentation by the TEQIP Coordinator included the outcomes of PHASE SHIFT 2014 & 2015 i.e., the enhanced industry-institute interaction by active participation of all the stakeholders, creating a stage for show-casing the students' talent by various technical competitions, organizing talks by eminent resource persons focused on the necessity of innovation in the technical field.</p>																																								
<ul style="list-style-type: none"> Increase in the number of sandwich programmes between industries and the institution. 	<ul style="list-style-type: none"> Year 2011-12- ZTE, Robert Bosch, NI (Total 3) Year 2012-13- ZTE, Robert Bosch, NI, BSNL, Infosys & EMC² (Total 6) Year 2013-14- ZTE, Robert Bosch, NI, Infosys, EMC², SAP (Total 6) Industry driven Institutional electives are being offered since 2014. 																																								
<p>F. Increase in percentage of revenue from externally funded research and development projects and consultancies as a percentage of the total revenue of the institution from all sources</p>	<p>The details of percentage of revenue from externally funded R&D projects & Consultancies as a percentage of total revenue of the institution are as mentioned below :</p> <table border="1" data-bbox="875 837 2007 895"> <thead> <tr> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> <th>2014-15</th> <th>2015-16</th> </tr> </thead> <tbody> <tr> <td>2%</td> <td>2%</td> <td>2%</td> <td>2.26</td> <td>2.30</td> </tr> </tbody> </table> <p>The external funded R & D projects' details are as mentioned below:</p> <table border="1" data-bbox="875 967 2007 1024"> <thead> <tr> <th>Year</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> <th>2014-15</th> <th>2015-16</th> </tr> </thead> <tbody> <tr> <td>Amount received</td> <td>Rs. 64 lakhs</td> <td>Rs.35 lakhs</td> <td>Rs.59 lakhs</td> <td>Rs.96 lakhs</td> <td>Rs.118 Lakhs</td> </tr> </tbody> </table> <p>The consultancy projects' details are as mentioned below:</p> <table border="1" data-bbox="875 1096 2007 1182"> <thead> <tr> <th>Year</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> <th>2014-15</th> <th>2015-16</th> </tr> </thead> <tbody> <tr> <td>Amount received</td> <td>Rs.18 lakhs</td> <td>Rs.63 lakhs</td> <td>Rs. 55 lakhs</td> <td>Rs.41 lakhs</td> <td>Rs.31 lakhs</td> </tr> <tr> <td>Number</td> <td>57</td> <td>85</td> <td>83</td> <td>85</td> <td>88</td> </tr> </tbody> </table> <p>Evidence: Audited financial statements</p>	2011-12	2012-13	2013-14	2014-15	2015-16	2%	2%	2%	2.26	2.30	Year	2011-12	2012-13	2013-14	2014-15	2015-16	Amount received	Rs. 64 lakhs	Rs.35 lakhs	Rs.59 lakhs	Rs.96 lakhs	Rs.118 Lakhs	Year	2011-12	2012-13	2013-14	2014-15	2015-16	Amount received	Rs.18 lakhs	Rs.63 lakhs	Rs. 55 lakhs	Rs.41 lakhs	Rs.31 lakhs	Number	57	85	83	85	88
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<p>G. Increase in the number of publications in refereed journals</p>	<p>The increase in the publications in refereed journals is noticed as mentioned below:</p> <table border="1" data-bbox="824 233 1960 293"> <thead> <tr> <th>Year</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> <th>2014-16</th> </tr> </thead> <tbody> <tr> <td>Publications in refereed journals</td> <td>96</td> <td>142</td> <td>169</td> <td>577</td> </tr> </tbody> </table> <p>Evidence: TEQIP Records and Interaction</p>	Year	2011-12	2012-13	2013-14	2014-16	Publications in refereed journals	96	142	169	577
Year	2011-12	2012-13	2013-14	2014-16							
Publications in refereed journals	96	142	169	577							
<p>H. Increase in the number of patents filed</p>	<p>Total Number of Patents obtained by faculty is 12 Total Number of Patents filed so far is 49. [Annexure- IX]</p>										
<p style="text-align: center;">OVERALL EVALUATION GRADE FOR 1.2 USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)</p>		<p style="text-align: center;">1(one)</p>									

J Suike

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NAME OF INSTITUTION WITH LOCATION: BMS College of Engineering, Bull Temple Rd, Bangalore 560019

1.2.1 ESTABLISHING CENTRES OF EXCELLENCE

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
A. Establishing Centres of Excellence Improvement in Research and Development facilities through: <ul style="list-style-type: none"> ▪ Establishment of new laboratories for applicable thematic research 	Four labs have been created under Centre of Excellence in Advanced Materials Research so far. <ol style="list-style-type: none"> 1. Polymer Composites Lab 2. Abrasive Water Jet Cutting Facility 3. Phase Change Memory (PCM) Materials Lab and 4. Scanning Electron Microscope (SEM) and X-Diffractometer (XRD) Evidence: Physical visits
<ul style="list-style-type: none"> ▪ Establishment of a knowledge resource centre (library) in the thematic area 	E-resources have been added by the college in the past two years in the thematic area.
<ul style="list-style-type: none"> ▪ Procurement of furniture 	College has provided the required infrastructure from its own funds. Evidence: Physical visits
<ul style="list-style-type: none"> ▪ Civil works 	Building with requisite interiors for the aforesaid laboratories is provided by the college. Evidence: Physical visits
OVERALL EVALUATION GRADE FOR 1.2.1 USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)	
1(one)	

J. Srihari Rao

PERFORMANCE AUDIT FORM (1.3)

COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS

NAME OF PERFORMANCE AUDITOR: Prof.J.Srihari Rao

DATES OF PERFORMANCE AUDIT: 22-24, August 2016

NAME OF INSTITUTION WITH LOCATION: BMS College of Engineering, Bull Temple Rd, Bangalore 560019

1.3: FACULTY DEVELOPMENT FOR EFFECTIVE TEACHING (PEDAGOGICAL TRAINING)

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
A. Effort made by Institutions providing Pedagogy Training to faculty, including:	
<ul style="list-style-type: none"> Percentage of faculty who have benefitted from the core and advanced modules of pedagogy training 	<p>The institution has been conducting training on pedagogy and orientation to the new faculty members to equip themselves for better performance.</p> <p>From 2014 till date, 189 faculty members have undergone pedagogical trainings that include:</p> <ul style="list-style-type: none"> Two weeks ISTE online Workshop on 'Pedagogy for Effective use of ICT in Engineering Education' conducted by IIT, Bombay during 12.06.14 and 02.08.14 IUCEE-International Educators Training Programmes-since 2015 onwards Workshops on Outcomes based Education: Teaching, Learning and Evaluation by BMSCE-IQAC sponsored by NAAC FDP on "Essentials of Pedagogy" with the resource persons from NITFTR-Chennai during July 25-29, 2016 <p>Details are provided at Annexure- X</p>
<ul style="list-style-type: none"> Improvements in (and/or updating, and more relevant) curricula and /or syllabi 	<p>Curricula /Syllabi are revised/updated regularly, meeting the current industry demands. Some changes in curriculum were made recently in the month of February 2016.</p>

J. Srihari Rao

<ul style="list-style-type: none"> Improvements in (and/or updating, more relevant) course assessment methods 	<ul style="list-style-type: none"> Continuous monitoring & assessment of academic progression of a student is in vogue Continuous Internal Evaluation [CIE] through tests, quizzes and alternate assessment tools (seminars, assignments, mini projects, writing technical papers, etc.,) The Alternate Assessment Tool (AAT) was at 10% of internal assessments, and now is being increased to 20% of the internal assessment. Comprehensive course consisting of theory, lab component and self-study have been introduced. Students are encouraged to work on open ended experiments, mini projects. Process of evaluation of Semester End Examinations [SEE] <ul style="list-style-type: none"> a) If number of scripts >20, valuation is done by the internal examiner & 30% of scripts are reviewed by the external examiner. b) If number of scripts ≤20, double evaluation is done (internal and external valuers), average of the scores awarded is considered for award of final grade. c) In case of double evaluation, if difference in marks is >15 marks, then the paper will go for third evaluation and the third valuation is by an external examiner. Once third valuation is over, average of closest two scores is considered for the award of final grade. d) Usually, valuation process will get over within a week from the last day of the examination. <p>Evidence: Office records and Interactions with COE, faculty and students.</p>
<ul style="list-style-type: none"> Improvements in teaching and learning methods, including provision for students needing extra/remedial support 	<p>Conduction of diagnostic tests for identifying weak students and conduction of remedial classes, proctoring, introduction of need based curriculum including integrated courses, mini projects, Enhanced industrial visits, usage of language labs, continuous internal evaluation of students through quizzes and tests, online courses in collaboration with IITs through QEEE, conduction of Fast track/supplementary semesters, conduction of pre-placement training etc., are in vogue.</p>
<ul style="list-style-type: none"> Percentage of faculty with UG qualification registered/deputed for improving their qualification (see Section-3, 4(b) on page 20 of PIP) 	<p>All the six faculty members with UG qualification were supported to improve their qualification to PG during TEQIP period and currently all the engineering faculty members have the minimum qualification of PG (ME/M.Tech).</p>
<ul style="list-style-type: none"> Percentage of faculty deputed for subject domain training, seminars, etc. (faculty are required to share their gains with peers and put reports on training on institution's web site) 	<p>Faculty members have been deputed for subject domain training, seminars, workshops, etc. Almost all the faculty members have undergone training or participated in Seminars, workshops in their respective domain. Details in the Annexure XI</p>
<ul style="list-style-type: none"> Progress in securing accreditation of eligible UG & PG programs (institutions to achieve target of 60% of eligible UG & PG programmes accredited – applied for within 2 years of joining the Project) 	<p>Out of 12 UG Programmes 11 have been accredited by NBA under Tier-I Format of Washington Accord. Five programmes have been accredited for a period of 05 years and the rest for a period of 03 years. One programme viz., Electronics & Communication Engineering is under process.</p> <p>Out of 13 PG (M. Tech.) Programmes, 9 programmes are eligible and college has applied for accreditation of these programs on 30.05.2016 under Tier-II format and other four programmes are newly started programmes after 2013.</p> <p>BMSCE has also been accredited by National Assessment & Accreditation Council [NAAC] with CGPA of 3.41 on four point scale at 'A' grade valid upto January 04, 2018. [Annexure XII]</p>
<p>B. Effectiveness of Pedagogy Training, including</p>	
<ul style="list-style-type: none"> Percentage of students satisfied with the quality of teachers and changes/developments specifically undertaken as a result of student evaluations 	<p>Based on the student feedback, it is evident that the students are satisfied with the quality of teachers. A nominal number of faculty with low feedback are counseled by a committee and deputed for further training on pedagogy and are kept under observation. Subsequent feedbacks have shown improvement in the performance of such faculty. (Evidence: Institutional Response Form and personal interactions)</p>
<p style="text-align: right;">OVERALL EVALUATION GRADE FOR 1.3</p> <p style="text-align: center;">USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)</p> <p style="text-align: right;">1(one)</p>	

J. S. S. S.

PERFORMANCE AUDIT FORM (2.1)
COMPONENT 2: IMPROVING SYSTEM MANAGEMENT

NAME OF PERFORMANCE AUDITOR: Prof.J.Srihari Rao

DATES OF PERFORMANCE AUDIT: 22-24, August 2016

NAME OF INSTITUTION WITH LOCATION: BMS College of Engineering, Bull Temple Rd, Bangalore 560019

2.1: CAPACITY BUILDING TO STRENGTHEN MANAGEMENT

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
<p>A. Implementation of academic and non-academic reforms, including:</p>	
<ul style="list-style-type: none"> ▪ Improved understanding of the need and ways for increased autonomy, and new instruments for accountability 	<p>Academic Autonomy – UG Programmes Academic autonomy has been awarded to the college by the Government/University for UG Programs from the academic year 2008-09 onwards. UGC vide its letter dated 09.3.2016 has granted extension of autonomous status for 2014-15 and 2015-16 academic years and UGC expert committee's visit is scheduled during August 26-27,2016 for continuation of autonomous status of the institution.</p> <p>Institution has framed need-based curriculum from the inputs of industry representatives on the BOS & AC, keeping employability factor and also introduced new courses. Parts of these courses are also imparted by the experts from the industry.</p> <p>Academic Autonomy – PG Programmes The Academic Autonomy for PG Programmes is being implemented with effect from the academic year 2016-17. Evidence: Institutional Response Form</p>
<ul style="list-style-type: none"> ▪ Modernization and decentralisation of administration and financial management 	<p>Various department/section level Committees involving all stake holders in the decision making processes are formed.</p> <p>The tuition and miscellaneous fee constitutes the major financial resource. Grants are also received from DST, AICTE, VTU towards R&D activities etc.</p> <p>The Head of each program in consultation with the faculty and staff arrives at annual requirement of Department and submits the same to the Principal. The finance committee makes budgetary allocation to the department after a scrutiny of the proposals received. The Proposals with thrust on academic excellence, research and Development are favourably considered and encouraged. The recommendations of the finance committee are placed before BOG for its approval. The Finance Committee meets at least twice in a year and monitors the utilisation of the budget.</p> <p>Four funds (Corpus Fund, Staff development fund, Maintenance Fund, Equipment replacement fund) are established to ensure financial sustainability. At present, the accounting system is semi-automated. Efforts are on to make the accounting system fully automated for better and effective control.</p>

<ul style="list-style-type: none"> ▪ Extent of delegation of administrative and financial decision making powers to senior functionaries 	<p>Departments are autonomous in terms of their academic functioning and have separate bodies to regulate their academic works. A GOOD GOVERNANCE DOCUMENT approved by the BOG is in place. The roles and responsibilities of the Chairman, Member-Secretary and other committee members are well-defined.</p> <p>As documented in the GOOD GOVERNANCE DOCUMENT, in addition to the statutory committees like Finance committee, academic council; various other committees such as Library Committee, Hostel Committee, Building & Works committee, Sports & Cultural Committee, Departmental Procurement Committee, Departmental academic committee etc., are constituted with senior faculty members of the departments to facilitate smooth functioning and administration.</p> <p>The HODs enjoy financial powers upto Rs.1 Lakh and the Principal upto Rs.25 Lakhs as evidenced in the minutes of the BOG. It is observed that the decentralization of powers and functioning exists to maximum possible extent through the appointment of Vice Principal, Dean (Academic), Dean (Student affairs), Dean (First Year), Dean (PG Studies) and Controller of Examinations. Majority of decisions are taken at the meetings of the HODs [College Council]/College Core Committee comprising of Principal, Vice-Principal and Deans.</p>
<ul style="list-style-type: none"> ▪ Responsiveness to stakeholders (students, faculty, staff, industry, local communities) 	<p>Representatives of faculty and students participate in the proceedings of the BOG and academic council. Minutes of the meetings of BOG, AC are placed on the College website. Atleast 50% of the faculty members are involved in decision making process through various committees.</p> <p>All the important decisions are being brought to the notice of the concerned through circulars, information booklet etc., in addition to maintaining the same on the college website (www.bmsce.ac.in).</p> <ul style="list-style-type: none"> ○ The academic progression of a student is continuously monitored and assessed. The system of Continuous Internal Evaluation helps to ascertain the academic standard of the student from time to time and impart remedial measures ○ Grievance Redressal Committee [GRC] is constituted to redress the grievance of students and parents. ○ Student Feedback Committee facilitates the evaluation of teachers' performance by students and on all aspects. ○ The Institution provides financial incentives for the students who excelled in academics and those who are proficient in sports and represented the Institution at the National/State/University level. ○ Best student projects are identified and the students felicitated on the occasion of Engineers Day. ○ College offers support services for students and promotes student participation in organizational aspects of all academic, social, cultural, recreational and governance programs. ○ Periodical Parent-Teacher Meetings are conducted. ○ Faculty are involved in all the student activities. ○ NCC, NSS units and various student clubs under the guidance of faculty are organising community service programmes like Blood Donation Camps, Swacha Bharath, Special Social Service Camps in a group of selected villages, training to school children in the schools adopted by the college, Awareness programmes and activities with NGOs.

<ul style="list-style-type: none"> ▪ Institutional quality assurance and enhancement strategies, including student feedback mechanisms 	<ul style="list-style-type: none"> • Proctor System: Each student is assigned to a faculty advisor (Proctor), who keeps track of academic progress of the students. • Academic Progression of a student is continuously monitored and assessed • Remedial measures are incorporated from time to time • Internal quality assurance cell (IQAC), departmental academic committees(DAC) are working towards maintaining standards through periodical result analysis • Views of student representatives are heard in BOG and academic council and discuss the same before arriving decisions on the concerned viewpoints. Minutes of these meetings are placed on the college website for information of the stake holders. • Laboratories & Library are augmented and made available for the users (students/faculty) at extended hours. • New faculty members are encouraged to pursue R&D activities by providing seed money. • Institution has a strategic plan drawn for both long term and short term goals. Implementation of strategic plan is regularly monitored by BOG. • Parent – proctor meetings are conducted at regular intervals. • Evaluation of teachers through online student feedback, thrice in a semester is in place. • Online student feedback on the course work, facilities of institution, academic activities is received once in a semester. • Each department is mandated to conduct a minimum of 4 Industrial visits by students during a semester. • Experts from industry are invited to deliver guest lectures. • Personnel from industry are invited to be the members of BOS and academic council • Faculty are collaborating with industry personnel for guiding the student projects and other R&D activities. • College is offering industry driven institutional electives. • Regular academic audits by both internal and external experts are in vogue • Efforts are being made to incubate the ideas of students and develop products in collaboration with industry • An Entrepreneur Development Cell (EDC) is working towards nurturing the idea of entrepreneurship among the students. • Grievance Redressal Cell constituted deals with the redressal of grievances if any of students, parents and others in the college.
<ul style="list-style-type: none"> ▪ Maintenance of academic and non-academic infrastructure and facilities, including sufficiency and quality of academic buildings 	<ul style="list-style-type: none"> ▪ All Major equipment and software are under AMC. • The Data Centre monitors Campus Wide Networking in the college. • Sufficient budgetary allocations are made by the Management for maintenance and upkeep of Physical infrastructure. The Building & Maintenance Section of the college oversees the requirements of all the stake holders and maintenance of all physical facilities. The Building & Works Committee monitors the activities/improvements related to the infrastructure facilities.
<ul style="list-style-type: none"> • Development, maintain and utilisation of institutional resources 	<ul style="list-style-type: none"> • Available space has been utilised optimally. • Water and energy harvesting methods are in vogue • Maintenance activities of the institution are being met out of the income generated by the institution
<ul style="list-style-type: none"> • Generation, retention and utilization of Income Revenue Generation. 	<p>Tuition and miscellaneous fee constitutes the major financial resource. Grants are also received from DST, AICTE, VGST, KCST, VTU towards R&D activities etc. The details of External R&D grants received is at Annexure-XIII</p> <p>CII TDB T NET Centre facilitates the consultancy activities. The consultancy amount is shared on 50:50 if the consultancy work is carried out inside the college and 70:30 if the consultancy work is carried outside the college. The audited financial statements for the year 2014-15 and 2015-16 are enclosed in Annexure - XIV.</p> <p>The amount generated by way of conducting training programs, conferences etc., through FDPs is treated as IRG and has been credited to Staff Development fund.</p>
<p>OVERALL EVALUATION GRADE FOR 2.1 1(one)</p> <p>USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)</p>	

J. Srinivas

PERFORMANCE AUDIT FORM (2.1.1)
COMPONENT 2: IMPROVING SYSTEM MANAGEMENT
2.1: CAPACITY BUILDING TO STRENGTHEN MANAGEMENT (Continued)

2.1.1: IMPLEMENTATION OF GOOD GOVERNANCE

(See Also Annex 4 of the Good Governance Guide for Governing Bodies for examples of supporting evidence)

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)	GRADE
<p>A. PRIMARY ACCOUNTABILITIES</p> <ul style="list-style-type: none"> Has the Governing Body approved the institutional strategic vision, mission and plan – identifying a clear development path for the institution through its long-term business plans and annual budgets? <i>(Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up.)</i> 	<p>Yes, a Copy of the BMSCE Strategic Plan for the Period 2013-2020 is enclosed herewith. The Strategic Plan has been prepared with a clear objectives and strategies for long term and short term goals. The Management periodically reviews its implementation</p>	
<ul style="list-style-type: none"> Has the Governing Body ensured the establishment and monitoring of proper, effective and efficient systems of control and accountability to ensure financial sustainability? <i>(Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up at the systems level.)</i> 	<p>Annual Budget: A proper system for the financial management and control by way of both internal and external audits is in place. Annual Budget is prepared by the Head of the Departments and Principal. The BOG approves the annual institutional budget. Four funds (Corpus Fund, Staff development fund, Maintenance Fund, Equipment replacement fund) are established to ensure financial sustainability.</p> <p>Evidence: The Annual budget for the financial year 2016-17 is approved by BOG in its 62nd meeting held on 31.3.2016. Major amount of four funds are kept as Fixed deposits and is noted as per the Fixed deposit receipts produced during the audit.</p>	
<ul style="list-style-type: none"> Is the Governing Body monitoring institutional performance and quality assurance arrangements? <i>(Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up at the systems level.)</i> 	<ul style="list-style-type: none"> Transparency in Governance is practiced by way of publicising minutes of meeting of the statutory committees like BOG, AC etc., on the college website. Active participation of all the stake holders in arriving at decisions is seen. The BOG has approved the strategic plan, vision and mission, short term and long term goals and budget based on the strategic plan. The BOG has adopted a well-knit review system to assess the performance of the Principal, faculty and staff. The annual report presented by the Principal is discussed in the BOG meeting. The input quality is measured in terms of CET/COMEDK Ranks etc. and the output in terms of placement, results etc., is evaluated by the BOG in its meetings. 	

	<ul style="list-style-type: none"> The feedback on whether the institution is achieving the intended outcome in comparison with its strategic plan is also seen as one of the parameters of evaluation. <p><u>Evidence:</u></p> <p>The BOG in its meeting held on 20.11.14 reviewed the accreditation status (NAAC and NBA).</p> <p>The BOG in its meeting held on 15.7.13 introduced performance based incentive scheme for research in order to enhance research outcomes.</p> <p>The BOG started inviting student & staff representatives to its meetings with effect from 21.11.13 for hearing their views on various academic and administrative matters.</p>	
<ul style="list-style-type: none"> Has the Governing Body put in place suitable arrangements for monitoring the head of the institution's performance? (Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up.) 	<p>Duties and Responsibilities of Principal are clearly defined and approved by the BOG in its meeting held on 16.3.12.</p> <p>A system to review the performance of Head of the Institution is in place. An online feedback from the faculty on the performance of the head of the institution is registered and the same is reviewed by the Chairman BOG every year. The Chairman-BOG also reviews the annual performance report of the Principal.</p> <p>The Principal presents periodical reports on the institutional activities to the BOG. The Principal also provides periodical report on the extent of compliance to the strategic plan.</p>	
EVALUATION GRADE FOR PRIMARY ACCOUNTABILITIES USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1) FOR ALL GOVERNANCE SECTIONS		1(one)

B. OPENNESS & TRANSPARANCY IN THE OPERATION OF GOVERNING BODIES		GRADE
<ul style="list-style-type: none"> Does the Governing Body publish an annual report on institutional performance? (Give the publication date and type of publication of the most recent annual report, if there is one) 	<p>Annual report is presented and discussed in the BOG. The same is published in the College website.</p> <p><u>Evidence:</u> The list of important academic/other activities of the college are noted by the BOG in almost all of its meetings and the latest meeting was held on 4.8.2016.</p> <p>The BOG meeting minutes are published on the College website www.bmsce.ac.in</p>	
<ul style="list-style-type: none"> Does the Governing Body maintain, and publicly disclose, a register of interests of members of its governing body? (Given that a formal register is not yet normal practice in colleges, provide evidence of any published information on governing body members' financial and commercial interests) 	<p>BMSCE being an aided institution is an Autonomous institution under VTU adhering to the norms of UGC/AICTE/VTU/DTE as is the case. The BOG composition is as per UGC guidelines. Process of collecting register of interests of BOG members is currently under process.</p>	

<ul style="list-style-type: none"> Is the Governing Body conducted in an open a manner, and does it provide as much information as possible to students, faculty, the general public and potential employers on all aspects of institutional activity related to academic performance, finance and management? <i>(Say whether the governing minutes are published on the institution website, and note any other steps that the governing body takes to communicate with its stakeholders on its work as a Board)</i> 	<p>Meetings of BOG are held in a transparent manner. Representatives of Faculty and students are invited to participate in the proceedings of the BOG. The minutes of the meetings are published in the College website (www.bmsce.ac.in). The relevant information is shared with HODs, faculty and staff through various meetings/circulars.</p>	
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GRADE FOR OPENNESS & TRANSPARENCY IN THE OPERATION OF GOVERNING BODIES

1(one)

C. KEY ATTRIBUTES OF GOVERNING BODIES		GRADE
<ul style="list-style-type: none"> Are the size, skills, competences and experiences of the Governing Body, such that it is able to carry out its primary accountabilities effectively and efficiently, and ensure the confidence of its stakeholders and constituents? <i>(Specify the range of skills and experience that the members of the governing body, and especially the external members, have)</i> 	<p>The BOG of BMSCE has been constituted as per the UGC guidelines (UGC XI Plan). The BOG consists of independent representatives from State Government, UGC, University & Industry, two senior faculty members of the institute in addition to three members from the Trust. BOG interacts with student and faculty representatives during board meetings.</p>	
<ul style="list-style-type: none"> Are the recruitment processes and procedures for governing body members rigorous and transparent? <i>(Specify how governing body members are selected, and whether that process is transparent)</i> 	<p>The BOG is constituted as per UGC guidelines. The Management nominees are decided by the Council of Trustees, BMSET</p>	
<ul style="list-style-type: none"> Does the Governing Body have actively involved independent members and is the institution free from direct political interference to ensure academic freedom and focus on long term educational objectives? <i>(Give examples, where possible, of the role of external members in improving the performance of the institution)</i> 	<p>The BOG comprises of members with strong academic background and administrative experience. This has vastly contributed to the success of the Institution. The BOG is free from any political interference. The Academic Council, the highest academic body is responsible for setting academic standards, policies and procedures.</p>	
<ul style="list-style-type: none"> Are the role and responsibilities of the Chair of the institution and the Member Secretary serving the governing body clearly stated? <i>(If yes, specify the document where these roles are defined)</i> 	<p>The role and responsibilities of the Head of the institution, who is also serving as the secretary of the BOG are clearly defined.</p>	
<ul style="list-style-type: none"> Does the Governing Body meet regularly? Is there clear evidence that members of the governing body attend regularly and participate actively? <i>(State the number of meetings in the last year, and the average number of those Board members present and those members absent at those meetings)</i> 	<p>Yes. The BOG meets at regular intervals and the participation of the members is evident from minutes of the meetings.</p>	

GRADE FOR KEY ATTRIBUTES OF GOVERNING BODIES

1(one)

GRADE

D. EFFECTIVENESS AND PERFORMANCE REVIEW OF GOVERNING BODIES		GRADE
<ul style="list-style-type: none"> Does the Governing Body keep their effectiveness under regular review and in reviewing its performance, reflect on the performance of the institution as a whole in meeting its long-term strategic objectives and its short-term indicators of performance/success? <i>(If yes, give the date(s) of governing body meetings where the minutes show that such a review has been discussed)</i> 	<p>The Management monitors the strategic plan, both short term goals and long term goals, through periodical reviews (quarterly) of the implementation of strategic plan. Evidence: The Strategic plan of BMSCE (2013-2020) was approved by the Council of Trustee in their meeting held on 04.04.13 and by the BOG in its meeting held on 15.07.13. The periodical reports on implementation of Strategic Plan (period from the previous meeting) are reviewed by BOG.</p>	

<ul style="list-style-type: none"> Does the Governing Body ensure that new members are properly inducted, and existing members receive opportunities for further development as deemed necessary? <i>(If yes, give examples of how these two tasks are carried out)</i> 	<p>The BOG is constituted as per the guidelines of statutory and regulating Bodies. The existing members are continuously involved in the developmental activities, in various capacities such as Institutional Academic Auditors, Mentors/counsellors for faculty, Board of Appointments etc.</p>	
GRADE FOR EFFECTIVENESS AND PERFORMANCE REVIEW OF GOVERNING BODIES		1(one)
GRADE		
E. REGULATORY COMPLIANCE		
<ul style="list-style-type: none"> Does the Governing ensure regulatory compliance* and, subject to this, take all final decisions on fundamental matters of the institution. <i>(If yes, give the date(s) of governing body meetings where the minutes show that regulatory compliance has been discussed)</i> 	<p>The BOG ensures compliance to various regulatory bodies like VTU, State Government, AICTE and COA on regular basis. Evidence: The BOG in its meeting held on 2.9.15, 23.11.15, 31.3.16 and 4.8.16 reviewed the compliance /approvals accorded by the various regulatory bodies.</p>	
<ul style="list-style-type: none"> Does the regulatory compliance include demonstrating compliance with the 'not-for-profit' purpose of education institutions? <i>(If yes, give evidence that the governing body has been directly involved)</i> 	<p>Institution collects the fee as prescribed by the Government/University. Criteria for admissions are drawn by the Government of Karnataka. Annual Budget of the institution demonstrates that the institution is not-for-profit.</p>	
<ul style="list-style-type: none"> Has there been accreditation and/or external quality assurance by a national or professional body? If so, give name, current status of accreditation etc <i>(Provide lists of all courses which have already been accredited, all courses where an application has been made, and all courses where no such application has yet been made)</i> 	<p>BMSCE is accredited by National Assessment & Accreditation Council [NAAC] with CGPA of 3.41 on 4 point scale at 'A' grade valid upto January 04, 2018.</p> <p>Out of 12 UG Programmes, five programmes have been accredited for a period of 05 years and six programmes for a period of 03 years. Institution has applied for accreditation of the lone UG programme left out, Electronics & Communication Engineering.</p> <p>Out of 13 PG programmes, the college has applied for accreditation for 9 eligible PG programmes on 30.05.2016.</p> <p>Evidence: Certificate of accreditation from NAAC, Letters of accreditation received from the NBA and the acknowledgement received by the college for applications submitted.</p>	
GRADE FOR REGULATORY COMPLIANCE		1(one)
OVERALL EVALUATION GRADE FOR GOVERNANCE 2.1.1 A-E		1(one)
<small>USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)</small>		

J. Srinivas P.

PERFORMANCE AUDIT FORM (2.2)
COMPONENT 2: IMPROVING SYSTEM MANAGEMENT

NAME OF PERFORMANCE AUDITOR: Prof.J.Srihari Rao

DATES OF PERFORMANCE AUDIT: 22-24, August 2016

NAME OF INSTITUTION WITH LOCATION: BMS College of Engineering, Bull Temple Rd, Bangalore 560019

TABLE 2.2: PROJECT MANAGEMENT, MONITORING AND EVALUATION

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)	GRADE
A. Effectiveness of mentoring, reviews, surveys and audits conducted, including: <ul style="list-style-type: none"> ▪ Increase in the achievement of the institutions goals and targets set out in the Institutional Development Proposal 	<p>Three mentoring sessions and two performance audits have been conducted so far. The institution has implemented the suggestions of mentor and auditor effectively as evidenced from the reports of mentor and previous audit.</p> <p>The institution has achieved its targets set forth in its IDP. Based on its performance the institution is selected for grant of additional funds based on the revised IDP submitted by the college during May 2015.</p>	1(one)
B. Effective project management and monitoring, including: <ul style="list-style-type: none"> ▪ Precise and reliable information/ data through web based MIS available to stakeholders at all time. 	<p>The data updated by the college on the web based MIS is reliable as evidenced through the data audit reports. The information is available to the stakeholders.</p>	1(one)
C. Effectiveness of faculty evaluation by students, including: <ul style="list-style-type: none"> ▪ Percentage/ increase in percentage of faculty evaluated by students in one or more subjects ▪ Are results of evaluation properly used for teacher improvement? If yes, is the procedure adopted for teacher improvement including counseling appropriate and effective?	<p>College has been implementing an online feedback system for more than seven years. The system records the feedback of students on all the teachers and on all courses conducted, thrice in a semester. The faculty having below par rating (less than 60 percent) are being counselled by a committee constituted for the said purpose. The faculty are advised to improve their performance and further deputed for training Programmes to overcome the deficiencies. The feedback report for the Odd and Even Semesters of 2015-16 is provided at Annexure-XV</p>	1(one)
OVERALL EVALUATION GRADE FOR 2.2 USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)		1(one)

J. Srikhe

ANNEX 4. (FEEDBACK)
PERFORMANCE AND DATA AUDIT FEED BACK
(Feedback to the Institution, state project facilitation units, the national project Implementation unit / and relevant Mentor)

Name of the Performance Auditor: Prof. J. SRIHARI RAO, Former Professor & Dean, NIT Warangal.
Dates of Performance Audit : 22-24, August, 2016.

Name of the Institution with location: **B.M.S.COLLEGE OF ENGINEERING, BENGALURU – 560019, KARNATAKA**

Key points feedback by the Performance Auditor to the Institution at the end of the visit – against the seven aspects of evaluation

1.1	<p>Strengthening Institutions to Improve learning outcomes and employability of graduates:</p> <p>The teaching-learning process has significantly improved by strengthening of lab facilities, training of faculty, technicians and procuring e-resources which in turn resulted in quality of student projects.</p> <p>There is substantial improvement in the campus placements of graduate & post graduate students.</p>
1.2	<p>Scaling-up postgraduate education and demand driven research and development and innovation :</p> <p>During the project 5 New P.G. Programs were started as committed in IDP, which resulted in increased Enrolment of students into M.Tech programs. Students expressed happiness at the financial assistance given under TEQIP.</p> <p>Innovative R&D projects are being done by the M.Tech students resulting in increased no. of publications in reputed journals.</p> <p>It is also notice that collaboration with industries has been significantly Improved.</p> <p>There is a substantial improvement in the enrolment of PhD scholars, due to the state of art equipment procured and installed through the TEQIP Grants.</p> <p>Students expressed their happiness at the financial assistance given to attend conferences and present papers. It is hoped that this process will definitely lead to substantial increase in filing and obtaining of patents.</p> <p>However, the college should also plan for continued assistantship to PhD students, after the TEQIP Project.</p> <p>It is visible that confidence level in faculty has improved substantially and the same is noticed during the interaction. This is due to the support given by the institution for training and R & D Activity. It will have a direct impact on the overall growth of the institution.</p> <p>The center of Excellence in 'Advanced Materials Research' has been established in Mechanical Engineering department. Equipment such as SEM, XRD Water jet cutting machine etc., were procured and the same being effectively utilized by faculty and students which resulted in an increased number of collaborative research publications.</p> <p>This activity will definitely result in motivating other and establishment of COE in other departments through other funding agencies.</p>

1.3	Faculty Development for effective teaching (Pedagogical training) : A Substantial number of faculty have attended training program in pedagogy and domain areas. The same has been noticed during the interaction. The faculty expressed their satisfaction about the quality of training obtained. This resulted in improving in Pedagogical skills.
2.1	Capacity Building to strengthen Management : Most of the senior faculty attended management training programs at IIM & IITs resulting in an improvement in their managerial and administrative skills.
2.1.1	Implementation of Good Governance : It is noticed that there is a decentralization of authority and responsibility at various levels. The college is practicing the good governance. A Document pertaining to the Good governance has been published. There is transparency in the total process. It is quite impressive.
2.2	Project Management , Monitoring and evaluation : Apart from TEQIP team, HODs and a good no. of faculty participated enthusiastically, resulted in the successful implementation of the project and achieving the project goals & objectives. Data collection and documentation has been done effectively through MIS

Key improvements noticed on shortcomings reported during earlier Performance Audits

The results are being announced within 15 days. The institute is now conducting CEPs very frequently for the industry persons and others. There is significant improvement in Institution -Industry interactions.

Brief statements on continuing shortcomings, and reasons

There are no major shortcomings except a little space constraint that is being addressed.

Interacted with the Chairman-BOG and Sri. K. Srinath, State Project officer (M & E), SPFU.

The BOG shall continue the good practices and ensure sustenance of achievements by allocating the required budget after the closure of the project.

On the whole, the performance of the college is quite impressive. The impact of the project is quite visible under the guidance of the BOG and mentorship of Prof. B.S. Sonde.

Congratulations to the Principal and the entire TEQIP team.

J. Srihari Rao
(J. SRIHARI RAO) 24/8/2016



B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
ANNEXURE 5: INSTITUTIONAL RESPONSE FORM (1)

No.	Institutional monitoring and project output/outcome	INSTITUTIONAL RESPONSE
1.1	Briefly describe the actions taken for obtaining Autonomous Institution status, and the status of current application	The UG Programmes of BMSCE were awarded academic autonomy from the academic year 2008-09 onwards. UGC vide its letter dated 09.3.2016 has granted extension of autonomous status for 2014-15 and 2015-16 academic years. The Academic Autonomy for PG Programmes shall be effective from 2016-17. (Relevant orders/communications are enclosed herewith- Annexure I)
1.2	If your institution is already an Autonomous Institution, briefly state actions taken for the following:	
1.2.1	Value addition to courses as per market demand	Please refer to Annexure-II
1.2.2	Improvements introduced in student evaluation	a) The academic progression of a student is continuously monitored and assessed b) Continuous Internal Evaluation [CIE] through tests, quizzes and alternate assessment tools (seminars, assignments, mini projects, writing technical papers, etc.,) c) The Alternate Assessment Tool (AAT) was at 10% of internal assessments, and now it is increased to 20% of the internal assessment. d) Introduction of Comprehensive course consisting of theory, lab component and self-study. (Students are encouraged to work on open ended experiments, mini projects). e) Process of evaluation of Semester End Examinations [SEE] (i) If number of scripts >20, valuation is done by the internal examiner & 30% of scripts are reviewed by the external examiner. (ii) If number of scripts ≤20, double evaluation is done (internal and external valuers), average of the scores awarded is considered for award of final grade. (iii) In case of double evaluation, if difference in marks is >15 marks then the paper will go for third evaluation and the third valuation is by an external examiner. Once third valuation is over, average of closest two scores is considered for the award of final grade. (iv) Valuation process will get over within a week from the last day of the examination. Academic council of the College amends the Academic Rules & Regulations time to time.
1.2.3	Addition of electives	Electives are being offered from 5th semester onwards in a three tier system, i.e., departmental electives, cluster electives and institutional (open) electives. The details are shown at Annexure-III



B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
ANNEXURE 5: INSTITUTIONAL RESPONSE FORM (1)

1.2.4	Carrying out teacher evaluation by students	<p>The BMSCE has a well-established feedback system that is operative for last seven years with a software solution of M/s Sun-plus Solutions.</p> <ul style="list-style-type: none">• The online feedback on all the teachers and on all courses conducted is captured thrice in a semester.• The feedback on HODs and Principal is obtained from the faculty members once in a semester.• The feedback on the institution is also obtained both from students and faculty once in every semester.• The feedback from Alumni, Parents and Industries are obtained once in a year. <p>The faculty having below par rating (less than 60 percent) are being counselled by a committee constituted for the said purpose. The faculty are advised to improve their performance and further deputed for training Programmes to overcome the deficiencies. The feedback report for the Odd and Even Semesters of 2015-16 is provided at Annexure-IV</p>																								
1.2.5	Starting of new postgraduate Programmes, as planned	<p>A total of 05 PG (M.Tech) Programmes have been started during the project period with the approval of AICTE enhancing the total intake by 114 seats (from 144 to 258). The details are provided hereunder:</p> <table border="1" data-bbox="757 932 1538 1142"><thead><tr><th>SNo</th><th>Name of the M.Tech. Program</th><th>Year of Commencement</th><th>Intake</th></tr></thead><tbody><tr><td>1</td><td>Computer Network Engineering [IS]</td><td>2011-12</td><td>18</td></tr><tr><td>2</td><td>Bio-Chemical Engineering[CH]</td><td>2013-14</td><td>24</td></tr><tr><td>3</td><td>Bio-medical Signal processing & instrumentation [ML]</td><td>2013-14</td><td>24</td></tr><tr><td>4</td><td>VLSI & Embedded Systems [EC]</td><td>2014-15</td><td>24</td></tr><tr><td>5</td><td>Manufacturing Science & engineering [ME]</td><td>2014-15</td><td>24</td></tr></tbody></table> <p>Copy of the AICTE Approvals are provided at Annexure V</p>	SNo	Name of the M.Tech. Program	Year of Commencement	Intake	1	Computer Network Engineering [IS]	2011-12	18	2	Bio-Chemical Engineering[CH]	2013-14	24	3	Bio-medical Signal processing & instrumentation [ML]	2013-14	24	4	VLSI & Embedded Systems [EC]	2014-15	24	5	Manufacturing Science & engineering [ME]	2014-15	24
SNo	Name of the M.Tech. Program	Year of Commencement	Intake																							
1	Computer Network Engineering [IS]	2011-12	18																							
2	Bio-Chemical Engineering[CH]	2013-14	24																							
3	Bio-medical Signal processing & instrumentation [ML]	2013-14	24																							
4	VLSI & Embedded Systems [EC]	2014-15	24																							
5	Manufacturing Science & engineering [ME]	2014-15	24																							
1.2.6	For enhancing qualification, deputing to other institutions and/or admitting within the institution those teachers that have a Bachelor's degree only	<p>Six graduates (branch toppers) of the college recruited as faculty were deputed to other institutions for completing their M.Tech. Degree.</p> <p>From the academic year 2014-15 onwards, candidates with minimum qualification of Master's Degree are only considered for faculty positions and at present, there are no faculty with only bachelor's degree.</p>																								



B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019

ANNEXURE 5: INSTITUTIONAL RESPONSE FORM (1)

1.2.7	Conducting continuing education and/or skill enhancement Programmes for industry	<p>The department of Mechanical Engineering has conducted a six weeks skill enhancement/training programme for the employees of SCANIA during 10th June 2013 to 2nd August 2013. The training featured lectures and hands on training sessions. The training focused on aspects related to machine drawing, metrology, thermal and managerial aspects.</p> <p>About eight national/international conferences conducted by various departments resulted in presentation of research papers co-authored by the faculty with the industry personnel.</p>
1.2.8	Inviting experts from industry and eminent institutions for special lectures	<p>The institution has been inviting experts and distinguished speakers from industry and academicians from premier institutions over the years as part of its extension lecture series Programmes. From the inception of the project, a total of 317 guest lectures have been organized. The details are shown at Annexure-VI.</p> <p>From the academic year 2015-16 onwards, certain elective courses are offered jointly by the faculty and experts from industry.</p>
1.3	The amount of financial powers assigned/delegated to the following. If no delegations has been done so far, state the proposed action for each level with the corresponding timeline:	The details are shown at Annexure-VII
1.3.1	Governing Body	Above Rs. 50Lakhs
1.3.2	Head of Institution for: (a) single purchase of equipment and (b) recurrent expenditure	Above Rs. 1Lakh & below Rs.25 Lakhs
1.3.3	Dean	NA
1.3.4	Heads of Department	Upto Rs. 1 Lakh
1.4	Progress in starting new postgraduate programmes, as proposed	Achieved. Same as at 1.2.5.



B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
ANNEXURE 5: INSTITUTIONAL RESPONSE FORM (1)

1.5	Actions taken to fill up seats in the existing postgraduate programmes	A total of 13 PG (M. Tech.) Programmes with an annual intake of 258 seats are currently being offered. Admissions to these Programmes are through KEA-PGET based on either GATE scores or the rank obtained at the PGET conducted by the Govt. of Karnataka. The College has been attracting good number of (about 60%) GATE scholars. Almost all the seats are being filled-up. The college has offered Teaching Assistantships to non-Gate students and fiscal incentives for project works, paper presentations under TEQIP.
1.6	Actions taken to reduce vacancies in faculty positions	Institution has been making continuous efforts to augment its faculty strength through regular recruitment. From March 2013 to till date, a total of 54 faculty members have been recruited to various regular faculty positions. The total faculty strength as on date is 314.
1.7	Status of faculty appointed on regular basis, and proposed actions to fill up all faculty positions on regular basis	A few GIA positions are vacant and approval awaited filling. However, the college has recruited faculty members over and above the sanctioned posts in the management cadre and is maintaining a student ratio of 1:14.
1.8	Progress in getting pedagogical training in both the modules	<p>The institution is conducting training regularly to the newly recruited faculty members on the pedagogy (basic module) to enable them to deliver technology based TLP for the benefit of students since years.</p> <p>Departments are encouraged to organize Advanced Pedagogical Programmes at the college as well as depute faculty members to attend Programmes conducted by various institutions. In addition to the orientation & induction training programmes conducted in the college every year for the benefit of newly joined faculty, each of the faculty members is deputed to undergo training programmes in their chosen field, during the project period. Following are a few pedagogical Programmes conducted at the college and well received by the faculty:</p> <ul style="list-style-type: none">(i) Two weeks ISTE online Workshop on 'Pedagogy for Effective use of ICT in Engineering Education' conducted by IIT, Bombay during 12.06.14 and 02.08.14(ii) IUCEE-International Educators Training Programmes-since 2015 onwards(iii) Workshops on Outcomes based Education: Teaching, Learning and Evaluation by BMSCE-IQAC sponsored by NAAC(iv) FDP on "Essentials of Pedagogy" with the resource persons from NITTTR-Chennai during July 25-29, 2016 <p>Details are provided at Annexure- VIII.</p>



B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019

ANNEXURE 5: INSTITUTIONAL RESPONSE FORM (1)

1.9	New Activities (since project start or the last performance audit) undertaken for enhancing interaction with industry	<p>The Industry Institution Interaction Cell [IIIC] is active and helped the departments in enhancing the interaction with experts from industry. Personnel from the industry are invited as members of the BOS, as Adjunct Faculty, to offer training during conduction of FDPs, to guide student projects, to offer industry driven elective courses, Incubating the innovative ideas in collaboration with industry etc.</p> <p>Since 2010-11 till date, 41 MOUs have been signed with industries. [Annexure-IX].</p> <p>Regular Industrial visits by students and faculty to the industry are in vogue.</p> <p>The BMSCE initiated an important activity under IIC named PHASE SHIFT – a two day technical event, encouraging the students and industry presenting/displaying the ongoing projects/ideas/products in the exhibition in the college, conduction of seminars/symposia/workshops by the experts from industry for the benefit of students. The students are encouraged to design and execute various programs during Phase shift. The events conducted during 2014 and 2015 are very well attended by the students of BMSCE and other institutions. Brief report and details are provided at Annexure-X.</p> <p>The Phase shift for the year 2016 is scheduled during September 23-25, 2016.</p>
1.10	Generation, retention and utilization of the non-tuition fee revenue generated through various activities	<p>CII TDB T NET Centre facilitates the consultancy activities. The consultancy amount is shared on 50:50 if the consultancy work is carried out inside the college and 70:30 if the consultancy work is carried outside the college. The audited financial statements for the year 2014-15 and 2015-16 are enclosed in Annexure – XI</p> <p>The amount generated by way of conducting training programs, conferences etc., through FDPs is treated as IRG and has been credited to Staff Development fund.</p>
2.1	Progress in instituting practice of teacher evaluation by students	Details are provided above at 1.2.4 and in Annexure-IV .
2.2	Current percentage of teachers evaluated by students in one subjects taught	100%. (as provided at 1.2.4 and at Annexure-IV)



B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
ANNEXURE 5: INSTITUTIONAL RESPONSE FORM (1)

2.3	Current percentage of teachers evaluated by students in more than one subjects taught	100% (as provided at 1.2.4 and at Annexure-IV)
2.4	State the incentives being offered to the faculty for participation in consultancy assignments, R&D, and continuing education programs conducted by the institution for industry	(i) Performance based incentives are offered for securing externally funded Research Projects (ii) Faculty are facilitated by the management to participate and present research papers in two national conferences per year and one international conference abroad once in every three years. (iii) Financial incentives are provided to publish research papers in peer reviewed national/international journals with impact factor above 0.6 Details provided at Annexure XII
3.1	Have the four funds been established?	Yes
3.2	If yes, what is the amount in each fund?	The amount in SB account and Fixed deposit are as below: Corpus Fund-Rs. 1,33,08,773/- Faculty Development Fund-Rs. 1,42,18,823/- Equipment Replacement Fund-Rs. 1,31,92,310/- Maintenance Fund-Rs.1,32,34,167 /- Copy of FDs at Annexure XIII
3.3	Is the contribution to each fund as per the requirement in the PIP? (see Annex-1, item-4 on	YES, each fund is being contributed
3.4	State the quantum of financial powers delegated to: (a) Governing Body; (b) Head of Institution; (c) Deans, and (d) Heads of Departments	a) BOG- Above Rs.50.00 Lakhs b) Head of the Institution- Above Rs.1 Lakh & below Rs.25 Lakh c) HODs- Upto Rs. 1.00 Lakh
3.5	If less than those recommended in the PIP, state the reasons for the shortfall and actions planned to comply with the project recommendations.	NA



B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
ANNEXURE 5: INSTITUTIONAL RESPONSE FORM (1)

4.1	Number of on-going sponsored projects from industry	32										
4.2	Number of industry awarded consultancy assignments completed	51										
4.3	Number of on-going industry awarded consultancy assignments	30										
4.4	Number of organizations and industries with whom Memorandum Of Understanding have been signed for joint research and development.	<p>The Total number of MOUs with industry is 41.</p> <p>A total of 13 linkages through MOU have been executed for Joint Research and Development. Details are provided in Annexure – XIV.</p> <table border="1"><tr><td>2011</td><td>02</td></tr><tr><td>2012</td><td>02</td></tr><tr><td>2013</td><td>02</td></tr><tr><td>2014</td><td>05</td></tr><tr><td>2015</td><td>02</td></tr></table>	2011	02	2012	02	2013	02	2014	05	2015	02
2011	02											
2012	02											
2013	02											
2014	05											
2015	02											
5.1	List the undergraduate programmes accredited on date by name	<p>Out of 12 UG Programmes 11 have been accredited by NBA under Tier-I Format of Washington Accord. Five programmes have been accredited for a period of 05 years and rest for the period of 03 years.</p> <p>It may be noted that, BMSCE has also been Accredited by National Assessment & Accreditation Council [NAAC] with CGPA of 3.41 on four point scale at 'A' grade valid upto January 04, 2018.</p> <p>The details of Accreditation for UG Programmes are shown at Annexure-XV.</p>										
5.2	State program-wise action taken to get accredited the eligible undergraduate programmes that are yet to be accredited	<p>Out of 12 UG Programmes, 11 Programmes are accredited and one programme vis., Electronics & Communication Engineering is under process.</p>										
5.3	List the postgraduate Programmes accredited on date by name	<p>The details are shown at Annexure-V</p>										



B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019

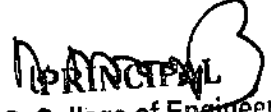
ANNEXURE 5: INSTITUTIONAL RESPONSE FORM (1)

5.4	State programme-wise action taken to get accredited the eligible postgraduate Programmes that are yet to be accreditation	Out of total 13 Programmes, applications have been submitted to accredit the 9 eligible Programmes.
6.1	Give the number of papers published in national refereed journals from the date of joining the Project	61 [Details are placed at Annexure- XVI]
6.2	Give the number of papers published in Foreign refereed journals from the date of joining the Project	577 [Details are placed at Annexure- XVII]
6.3	Number of patents filed since joining the Project List the titles of patents filed since joining the Project along with names of contributors	49 [The details are shown at Annexure-XVIII]
6.4	Number of patents obtained since joining the Project List the titles of the patents obtained since joining the Project along with the names of contributors	12 [The details are shown at Annexure-XIX]
7.1	Actions being taken for identifying weak students	(i) The feedback received from the companies visiting the campus offering internship/placement is considered for identifying the areas of weaknesses among the PG students. (ii) All the students admitted to I year BE program are subjected to tests in English and Mathematics. The students performing below average mark are being judged as weak students. (iii) Diagnostic tests are conducted to identify the weak students of both UG/PG students.
7.2	Number of students that have benefitted from remedial teaching since joining the Project/since the last performance audit	Remedial classes in Mathematics were conducted to make them ready to catch up with the regular classes. Separate English classes [both theory and language labs] are held. Programs are conducted under EAP (Equity Assurance Plan of TEQIP-II) in the domain areas as well as in the life skills. A total of 878 students have been benefitted from the remedial classes and fast track semester support since inception of the project.



B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
ANNEXURE 5: INSTITUTIONAL RESPONSE FORM (1)

		Details are at Annexure- XX
7.3	Number of students that have benefited from specialized soft skills and professional skills training Programmes conducted since joining the Project/ since the last performance audit	All the students are provided with training on specific Soft & Professional skills by experts drawn from reputed trainers through BMSCE Placement Cell. A total of 5090 student have benefited since the inception of the project. However, the expenses for the said trainings are met out of college funds. Details are at Annexure- XXI
7.4	Status of establishment and functioning of remedial options and activities	Remedial soft skill trainings, Text/workbooks, free hardware and course specific software from the library are provided as a part of remedial options.


PRINCIPAL
B.M.S. College of Engineering
Bangalore - 560 019.

INSTITUTIONAL RESPONSE FORMS (2)
(Engineering disciplines)

Table-1(a): CONSOLIDATED STATEMENT

S.No.		TEQIP (2010-11)			TEQIP (2015-16)		
		1	NO. OF DEPARTMENTS	12			12
2	LEVELS OF PROGRAMMES (Number of Programmes)	B.TECH	M.TECH	PhD	B.TECH	M.TECH	PhD
		12	08	07	12	13	13
3	COLLABORATION WITH INDUSTRY (Number of MoUs SIGNED)	09			41		

Table-1(b): DETAILS OF STUDENT ENROLMENT

S.No.	NAME OF THE DEPARTMENT		TEQIP (2010-11)			TEQIP (2015-16)			INCREASE IN PERCENTAGE
			B.TECH	M.TECH	PhD	B.TECH	M.TECH	PhD	
		NO. OF FRESH STUDENTS ADMITTED IN THE INSTITUTE	890	144	15	1141	234	58	UG – 28% PG – 63% PHD – 287%

Table 1(c): FACULTY DETAILS

S.No.	NAME OF THE DEPARTMENT		TEQIP (2010-11)			TEQIP (2015-16)			INCREASE IN PERCENTAGE B.Tech, M.Tech, Ph.D.	Total
			B.TECH	M.TECH	PhD	B.TECH	M.TECH	PhD		
	1 Civil Engineering 2 Mechanical Engineering, 3 Electrical & Electronics, 4 Electronics &	NO. OF FACULTY HAVING HIGHEST QUALIFICATION								
1	5 Communication, 6 Industrial Engineering & Management,	Regular	06	152	47	0	174	140	B.Tech to M.Tech: 100% and PhD: 53%	314
2	7 Computer Science & Engineering, 8 Telecommunication Engineering, 9 Information Science & Engineering, 10 Electronics & Instrumentation Engineering, 11 Medical Electronics, 12 Chemical Engineering, 13 Biotechnology.	Contractual								
3		Total	06	152	47	0	174	140		314

Table 1(d): COLLABORATION WITH INDUSTRY

S.No.	NAME OF THE DEPARTMENT/ Institute	NAME OF THE INDUSTRY WITH WHOM MOU SIGNED		
		TEQIP (2010-11)	No. 09	TEQIP No. 41 (2015-16)
S.No.	NAME OF THE DEPARTMENT/ Institute	NAME OF THE INDUSTRY WITH WHOM MOU IS SIGNED TILL 2010-11	NAME OF THE DEPARTMENT/ Institute	NAME OF THE INDUSTRY WITH WHOM MOU IS SIGNED FROM 2011-12 TO JULY 20 16
1	BT	M/s Dakshah Biosciences Pvt. Ltd	EC	M/s Nihon Communication Solutions Pvt. Ltd
2	EC	M/s NXP Semiconductor Pvt. Ltd	EE & ME Cluster	M/s ROBERT BOSCH –
3	ML	Advanced Digital Imaging Solutions Laboratory	IM	M/s SAP Labs
4	IM	M/s Cranes Software International Ltd	EE	M/s Centum Electronics Ltd
5	TCE	M/s National Instruments [India] Pvt.Ltd	EE	M/s Cranes Software
6	TCE	M/s ZTE Telecom India Pvt.Ltd	ALL	M/s INFOSYS
7	TCE	M/s TEXAS Instruments	ALL	M/s TCS
8	ALL	M/s WIPRO Technologies	TCE	BSNL
9	BT	M/s Biocos Life Sciences Pvt.Ltd	CSE, ISE	M/s EMC ²
10			TCE	M/s Tektronix
11			ECE	M/s ARM
12			ECE	M/s Chip Edge
13			ML, IT	M/s TMI Systems

14			All	M/s Rao Advisors LLC
15			ECE, MEE	M/s Nasscom
16			EEE & CS Cluster	M/s Nanopix
17			ECE	M/s Novoton
18			CSE,ISE	M/s Novell Software Development(I) Pvt.Ltd.
19			CHE	M/s Yokogawa
20			ME	M/s Sical Abrasives
21			ME	M/s DUCOM Ltd
22			EC	M/s ABB GISL
23			BMSCE (RnD)	SAII USA
24			BMSCE (RnD)	NIPER
25			ML	M/s Vinyas Innovative Technologies Pvt Ltd
26			BMSCE (Placement)	HUAWEI
27			ML	BMSHT, Aventyn
28			CS,IS,ML	Ellipsonic PVt Ltd
31			BMSCE (Placement)	Juniper
32			BT	Cleanergis Biosciences Pvt. Ltd.

Table 2: SUMMARY SHEET FOR REVIEW

Name of NPIU Official :

Name of Institute: BMS College of Engineering, Bangalore

Sub-component:1.2

Category of Institute: GIA

	Strategy/Activities	Indicators	Institutional Baseline (Pre-TEQIP) in 2010-11	Proposed Target for 2 years (31 st Dec 2012)		Proposed Budget Estimate		Status due to input of TEQIP as on date of final round of performance auditing		Outcome against Goals (TEQIP)	Remarks
			Physical (No.*/%age)	Institutional	TEQIP	Institutional	TEQIP	Physical(No.*/%age)	Financial (Rs. Lakh)		
				(No.*/%age)	(No.*/%age)	(Rs.Lakh)	(Rs.Lakh)				
A.0	Goal : Improve Quality of Education in Selected Institutions										
A.1	Student										
A.1.1	<i>Improvement in Students Knowledge and Skills</i> - Diagnostic test - Remedial teaching	Percentage of female students against total engineering students in all years • Undergraduates • Postgraduates	26% 37%	29% 30%	29% 30%	NA NA	NA NA	28% 33%	NA NA	Achieved. [97% in UG and 110% in PG]	
A.1.2	- E-enabled learning - Research projects at UG levels - Assistantships	Students transition rate (percentage) from first year to second year of UG programs (clearing all subjects/ courses of 1st year in first attempt)	67%	69%	69%	NA	NA	63%	NA		
A.1.3		Average scores (%/ CGPA) at degree completion • Undergraduates • Postgraduates	80% 73%	7.99 (CGPA) 73%	7.99 (CGPA) 73%	NA	NA	8.31 (CGPA) 74%	3.05	Achieved	PG results of 2014-15 are given as 2015-16 PG results are awaited as viva is going on.
A.1.4		No. of students enrolled in M.Tech programs	144	182	182	NA	NA	234	NA	Achieved	Project Total : 995 AY 2015-16: 234
A.1.5		No. of students registered in PhD programs in engineering		15	15	NA	NA	55	NA	Achieved	Project Total : 225 AY 2015-16: 55
A.1.6		No. of Masters students enrolled with TEQIP teaching assistantship	15	49	49	NA	NA	310	249.66	Achieved	Project Total :310 AY 2015-16: 115
A.1.7		No. of PhD students enrolled with TEQIP research assistantship	-	6	6	NA	NA	26	79.87	Achieved	Project Total :26 AY 2015-16: 26
A.1.8		No. of Research projects taken by UG students	24	23	23	NA	NA	161	21.74	Achieved	352 Students benefited

A.3	Institutional Reforms										
A.3.1	Set of Reforms - Academic reforms - Non-academic reforms - Enhance interaction with industry	Percentage of NBA accredited UG & PG programs including Applied-For cases, against total eligible programs	UG-75% PG-25%	100% [All eligible programs applied for fresh/ renewal]		NA	NA	100%	3.38	Achieved	All eligible programs are applied for and others are accredited.
A.3.2		Autonomous institution status concurred by UGC (Yes/No/Applied For)	Yes	Yes		NA	NA	Yes	0.49	Achieved	
A.3.3		No. of academic programs i.e. MTech/PhD etc. with industry	-	-		NA	NA	2	NA	Achieved	
A.3.4		No. of short term programs with industry		-		NA	NA	47	0.08	Achieved	
A.3.5		Academic networking with other institutions (No.)				NA	NA	13	0.15	Achieved	
A.3.6		ICT (Information communication Technology) enabled learning (No. of programs/ courses)		In vogue		NA	NA	78 (Live courses and MOOCs under QEEE)	70.36 (ICT Setup & Equipment)	Achieved	
A.3.7		Curricula revised/restructured (No.)	Syllabus revised periodically	-		NA	NA	39 (No. of BOS Meetings)	3.45	Achieved	
A.3.8		Total IRG (in lakhs)	1474	1321 [Part of financial year 2012-13 up to Dec.12]		NA	NA		6555	Achieved	
A.3.9		Percentage revenue from externally funded R&D projects and consultancies in total revenue	3%	2%		NA	NA		2.30%	Achieved	
A.3.10		IRG as percentage of annual recurring expenditure	75%	75%		NA	NA		107%	Achieved	

Table-3: Institutional Project Budget [Sub component 1.2]

TEQIP funds received (Instalment)	: 1st / 2nd / 3rd / 4th / 5th / 6th			
1st Instalment	:	Amount Rs. 2 Crores	Date:	24.09.2012
2nd Instalment	:	Amount Rs. 5 Crores	Date:	11.03.2014
3rd Instalment	:	Amount Rs. 2 Crores	Date:	15.12.2014
4th Instalment	:	Amount Rs.2 Crores	Date:	05.05.2015
5th Instalment	:	Amount Rs.1.5 Crores	Date:	28.10.2015
6th Instalment	:	Amount Rs. 2 Crores	Date:	17.05.2016

Total funds received: Rs. 15 Crores

Table-3: Institutional Project Budget [Sub component 1.2]

bSl. No.	Activities	Project Life Allocation	Expenditure in Financial year					2016-17
			2011-12	2012-13	2013-14	2014-15	2015-16	(as on final round of PA)
			(Rupees in Lakhs)					
1	Improvements for teaching, training and learning facilities through:	787.50						
	Procurement of goods:							
	Equipment				89.38	215.26	97.24	9.13
	Books & LRs & software				121.52	26.49	11.88	
	a. Starting new PG programmes		0	0				
	b. Modernization and strengthening of laboratories ⁺		0	0				
	c. Establishment of new laboratories for existing UG and PG programmes and for new PG programmes		0	0				
	d. Modernization of classrooms ⁺		0	0				
	e. Updating of Learning Resources		0	0				
	f. Procurement of furniture		0	0				
	g. Establishment/Upgrading of Central and Departmental Computer Centers ⁺		0	0				
	h. Modernization/improvements of supporting departments ⁺		0	0				
	i. Modernization and strengthening of libraries and increasing access to knowledge resources		0	0				
	j. Minor Civil Works		0	0				
	Consultancy Services		0	0.12				
2	Providing Teaching and Research Assistantships to increase enrolment in existing and new PG programmes in Engineering disciplines	403.43	0	9.94	85.43	152.76	22.85	58.56
3	Enhancement of R&D and institutional consultancy activities	89.56	0	0.16	5.02	25.50	29.63	5.78
4	Faculty and Staff Development (including faculty qualification upgradation, pedagogical training, and organising/participation of faculty in workshops, seminars and conferences) for improved competence	188.97	0	9.09	64.66	50.31	14.75	7.15
5	Enhanced Interaction with Industry	88.29	0	0.00	27.34	19.96	14.30	4.34
6	Institutional Management Capacity enhancement	34.35	0	0.00	17.62	2.38	3.97	0.00
7	Implementation of institutional academic reforms	24.37	0	0.00	0.12	6.86	4.12	1.72
8	Academic support for weak students	27.18	0	0.65	2.76	2.21	7.56	0.44
9	Incremental Operating Cost	122.23	0	3.33	22.57	48.53	23.12	3.77
	TOTAL	1765.88*	0	23.29	436.42	550.26	229.42	90.89

● Includes 5 Crores of additional grants & Revised Allocation

Table-3: Institutional Project Budget [Sub-Component 1.2.1]

COE-TEQIPII funds received (Instalment) : 1st / 2nd

1st Instalment : Amount Rs. 3.333 Crores Date : 07.05.2014

2nd Instalment : Amount Rs. 1.666 Crores Date : 25.07.2016

Total funds received : Rs. 5 Crores

Sl. No.	Activities	Project Life Allocation	Expenditure in Financial Year				
			2012-13	2013-14	2014-15	2015-16	2016-17 (as on final round of PA)
			(Rupees in lakhs)				
1	Improvements for teaching, training and learning facilities through:						
	Procurement of goods:						
	Equipment	275.00	0	0	132.18	163.77	14.26
2	Provide Teaching and Research Assistantships for enrolment in Masters and Doctoral programmes in topics linked to economic or societal needs in the thematic areas	50.00	0	0	6.80	12.78	23.66
3	Collabration with industry for applicable research and product development	25.00	0	0	0.22	0.73	1.19
4	National / International collabration for Research and Development activities with Academic Institutions and R & D organisations	50.00	0	3.94	0	1.96	0.36
5	Enhancing research competence of faculty and knowledge sharing in thematic areas, both within India and abroad	50.00	0	0	1.98	1.78	11.22
6	Incremental operating cost	50.00	0	2.21	10.12	14.79	4.08
TOTAL		500.00	0	6.15	151.30	195.81	54.77

Date: 18, 19, and 20/08/2016

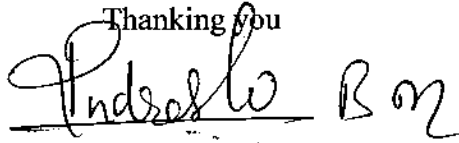
TO,
State project coordinator / Officer on special duty
SPFU, Karnataka,
Office of the directorate of Technical Education,
4th floor, Palace Road, Bangalore -560001

Dear Sir,

**Sub: Submission of Data Audit Report of TEQIP Phase –II in respect of B M S College of Engineering,
Bangalore -560019**

With reference to the above cited subject, data audit of TEQIP phase-II in respect of BMS College of Engineering, Bangalore -560019 (2014-15,2015-16 and review of previous years audit) was arranged on 18th to 20th of August 2016. The data audit reports of respective academic years along with the review report are enclosed herewith for your kind consideration.

Thanking you



(B M Rudresh)

Data Auditor

BMS College of Engineering

TEQIP Phase –II (2011-12, 2012-13, 2013-14, 2014-15, 2015-16)

Bangalore -560019

Date: 18, 19, and 20/08/2016

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State project coordinator / Officer on special duty
SPFU, Karnataka,
Office of the directorate of Technical Education,
4th floor, Palace Road, Bangalore -560001

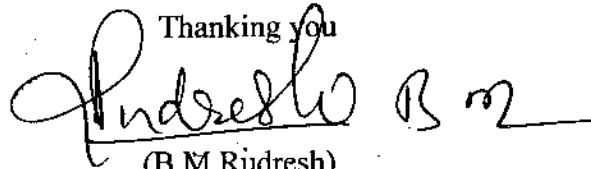
Dear Sir,

Subject: Comments on the data audit

The data audit visit of BMS College of Engineering was arranged on 18th to 20th of august 2016. During the data audit following are the observations made:

1. The data inputted to the MIS was exactly matching with the institutional data source.
2. There was a problem in MIS in few fields, even though the data were feeding properly; the output was not matching with the actual data.
3. The records were maintained and submitted in a satisfactory way
4. The utilization of the funds for the enhancement of the faculty was properly done
5. The effect of TEQIP was reflecting in the transition scale of the students to the next years with more than 75% and or more aggregate marks
6. The encouragement of the students to enhance their personality was really good
7. The faculty members were benefitted through research, paper presentation and publications through TEQIP was appreciable.
8. **Centre of excellence in advanced materials research** has setup the separate cell as advance material research centre preferably for the advancement of material technology.
9. Lot of progress has been done through COE for the benefit of in- house and also neighbouring institution faculties of local and also interstate and students who were in search of these technological facilities.
10. Lot more research and faculty development programmes had been organized through COE, Departmental as well as through the institution.

The utilization of the TEQIP fund as per the records and the transactions were satisfactory.

Thanking you


(B M Rudresh)
Data Auditor

BMS College of Engineering
TEQIP Phase -II (2011-12, 2012-13, 2013-14, 2014-15 and 2015-16)
Bangalore -560019

Date: 18, 19, and 20/08/2016

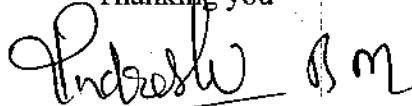
TO,
State project coordinator / Officer on special duty
SPFU, Karnataka,
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4th floor, Palace Road, Bangalore -560001

Dear Sir,

**Sub: Submission of Data Audit Report of TEQIP Phase –II in respect of B M S College of Engineering,
Bangalore -560019**

With reference to the above cited subject, data audit of TEQIP phase-II in respect of BMS College of Engineering, Bangalore -560019 (2014-15,2015-16 and review of previous years audit) was arranged on 18th to 20th of August 2016. The data audit reports of respective academic years along with the review report are enclosed herewith for your kind consideration.

Thanking you



(B'M Rudresh)

Data Auditor

BMS College of Engineering
TEQIP Phase –II (2011-12, 2012-13, 2013-14, 2014-15, 2015-16)
Bangalore -560019

Technical Education Quality Improvement Programme : Phase II

CONSOLIDATED INFORMATION VERIFICATION THROUGH DATA-AUDIT for the year : 2011-12,12-13,13-14,14-15 and 2015-2016

Name of the Data Auditor: B M Rudresh

Dates of Data Audit: 18, 19, 20/08/ 2016

Name of the Institution and Location: B M S College of Engineering, Bangalore - 560019

Data Audit Form (01)

No	Particulars	2011-12	2012-13	2013-14	2014-15	2015-16
	<i>Information in respect to Bachelors programs in engineering/technology</i>					
	(a) Number of UG programs conducted during latest academic year	12	12	12	12	12
	(b) Total number of UG students during latest academic year	3812	3818	4101	4214	4532
	(c) Total number of women students in UG programs during latest academic year	1083	1133	1165	1243	1259
	(d) Total number of SC students in UG programs during latest academic year	283	278	265	315	371
	(e) Total number of ST students in UG programs during latest academic year	68	65	65	64	65
	(f) Total number of OBC students in UG programs during latest academic year	596	566	677	1605	1121
1	(g) Percentage of final year UG students during latest academic year placed through campus interviews	82.98	77.3	76.87	75	80
	(h) Percentage of final year UG students during latest that passed out with 75%or more aggregate marks	82	75	83	84.7	83
	(i) Percentage of all 1year students [as at 1(b)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic year	87.81	96.57	74.79	81.5	64
	(j) Percentage of 1year women students [as at 1(c)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic	94.27	94.31	96	90	89
	(k) Percentage of 1 year SC students [as at 1(d)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	74	87	91	86.76	50
	(l) Percentage of 1year ST students [as at 1(e)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	99	92	98	63.6	61
	(m) Percentage of 1year OBC students [as at 1(f)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	87	97	98	95.65	85

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Data Audit Form (02)

No	Particulars	2011-12	2012-13	Data Audit Form	2014-15	2015-16
	Information in respect to Masters programs in engineering/technology					
	(a) Number of full-time masters programs during latest academic year	8	9	11	13	13
	(b) Number of part-time and sandwich (Joint) Masters programs during latest academic year	1	1	1	1	1
	(c) Total number of students enrolled for all Masters programs during latest academic year	157	163	196	240	234
	(d) Number of faculty in-house enrolled for Masters programs during latest academic year	0	0	0	0	0
	(e) Number of students enrolled for all Masters programs during latest academic year with scholarship	78	92	99	70	102
2	(f) Number of students enrolled for all Masters programs during latest academic year with TEQIP assistantship	0	49	129	178	116
	(g) Total number of women students in all Masters programs during latest academic year	55	54	22	78	82
	(h) Total number of SC students in all Masters programs during latest academic year	16	19	6	24	31
	(i) Total number of ST students in all Masters programs during latest academic year	1	5	2	6	4
	(j) Total number of OBC students in all Masters programs during latest academic year	50	57	15	45	44
	(k) Percentage of final year Masters students during latest academic year placed through campus interviews	47.56	37.75	43.75	37	58
	(l) Percentage of final year Masters students during latest that passed out with 75% or more aggregate marks	82	75	83	48	Progress

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Data Audit Form (03)

No	Particulars	2011-12	2012-13	2013-14	2014-15	2015-16
3	<i>Information in respect to Doctoral programs</i>					
	(a) Number of Doctoral candidates on roll up to March 31,	41	20	48	43	58
	(b) Number of in-house faculty enrolled for Doctoral programs during latest academic year	3	7	16	6	0
	(c) Number of students enrolled for Doctoral programs during latest academic year with scholarship	0	0	0	0	0
	(d) Number of students enrolled for Doctoral programs during latest academic year with TEQIP assistantship	0	5	13	15	29

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Data Audit Form (04)

No	Particulars	2011-12	2012-13	2013-14	2014-15	2015-16
	Information in respect to Faculty					
	(a) Total number of regular full-time faculty excluding adjunct and emeritus faculty during latest academic year(Excluding AT)	252	260	287	311	314
	(b) Total number of regular full-time faculty in engineering disciplines excluding adjunct and emeritus faculty during latest academic year	224	232	251	271	273
	(c) Number of regular full-time faculty in engineering disciplines with master's degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	164	161	169	169	163
	(d) Number of regular full-time faculty in engineering disciplines with Doctoral degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	51	61	77	102	110
4	(e) Number of regular full-time faculty in engineering disciplines with Bachelor's degree as their highest qualification faculty during latest academic year	8	10	5	0	0
	(f) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Sciencce Teachers and (iii) others	0	0	0	0	0
	(g) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs at other institutions during academic year latest:	3	0	2	0	0
	(h) Number of faculty with Master's degree which are enrolled in-house for Ph.D programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Sciencce Teachers and (iii) others	(i) 3	(i) 7	16	0	0
	(i) Number of faculty with Masters degree which are enrolled in-house for PhD programs at other institutions during academic year latest: (i) Engineering Teachers (ii) Applied Sciencce Teachers (iii) others	(i) 1 -- --	(i) 3 -- --	5 -- --	(i) 5 (ii) 1	(i) 1 (ii) 1 --
	(j) Number of faculty that have attended a professional training program of 5 or more days duration during latest academic year	0	0	92	33	64
	(k) Number of all faculty (irrespective of specialization) that have attended the Basic Module of pedagogy training during latest academic year	0	0	0	29	40
	(l) Number of all faculty (irrespective of specialization) that have attended both the Basic and Advanced Modules of pedagogy training during latest academic year	0	0	0	20	32
	(m) Number of faculty appraised by students during latest academic year	227	207	260	201	245

14/6

Sub

Data Audit Form (05)

No	Particulars	2011-12	2012-13	2013-14	2014-15	2015-16
	Information in respect to Accreditation of Program					
5	(a) Number of UG programs accredited	9	0	2	11	11
	(b) Number of UG programs for which accreditation applied for	0	12	0	1	1
	(c) Number of PG programs accredited	2	5	4	4	0
	(d) Number of PG programs for which accreditation applied for	0	0	0	4	9

Data Audit Form (06)

No	Particulars	2011-12	2012-13	2013-14	2014-15	2015-16
	Information in respect to research and patents					
6	(a) Number of research publications in Indian refereed journals during the latest academic year	35	18	7	20	15
	(b) Number of research publications in International refereed journals during the latest academic year	93	83	93	162	214
	(c) Number of research publications (Journal) co-authored with faculty/ researchers/ industry experts from outside the institution	68	35	16	52	66
	(d) Number of patents in engineering related areas obtained during the latest academic year	0	0	4	4	0
	(e) Number of patents in engineering related areas filed during the latest academic year	2	3	4	21	10
	(f) Number of sponsored research project completed during the latest academic year	2	0	0	2	2
	(g) Number of MOUs signed for collaborative programs with Indian industry and R&D organizations	4	4	1	13	6
	(h) Number of MOUs signed for collaborative programs with International academic institutions and R&D organizations	0	0	0	1	2

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Data Audit Form (07)

No	Particulars	2011-12	2012-13	2013-14	2014-15	2015-16
Information in respect to Finances						
7	(a) Amount received as Block Grant during the latest academic year (Rs. In Lakhs)	0	0	0	0	0
	(b) IRG from students' tuition fee and other charges during the latest academic year (Rs. In Lakhs)	1882.43	2736.87	3318.37	4396.8	5001.347
	(c) IRG from externally funded R&D projects and consultancies during the latest academic year (Rs. In Lakhs)	57.76	3569.107	84.74	22.82	147.82
	(d) Total IRG during the latest academic year (Rs. in Lakhs)	3399.41	3853.77	4571.08	5809.07	655.88
	(e) Total annual recurring expenditure during the latest academic year (Rs. In Lakhs)	3675.85	3586.32	4611.118	5426.01	626.22
	(f) Amount available in Corpus Fund on March 31,	Rs.190000	Rs.272854	Rs.400862	Rs.307380	Rs.13,308,773
	(g) Amount available in Faculty Development Fund on March 31,	Rs.190000	Rs.272855	Rs.887987	Rs.564972	Rs.13,191,132
	(h) Amount available in Equipment Replacement Fund on March 31,	Rs.190000	Rs.272853	Rs.293279	Rs.303034	Rs.13,191,132
	(i) Amount available in Maintenance Fund on March 31,	Rs.190000	Rs.272855	Rs.2932279	Rs.303034	Rs.13,234,162

Data Audit Form (08)

No	Particulars	2011-12	2012-13	2013-14	2014-15	2015-16
With respect to Institutional Governance/ Management						
8	(a) Number of BoG meeting held during the latest academic year (with minutes on the web)	2	3	4	3	3
	(b) Number of institutional functionaries (Deans, HoDs, senior faculty and senior officials) that have undergone Management Capacity Enhancement training	0	0	51	19	37

6/6

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Date: 18, 19, and 20/08/2016

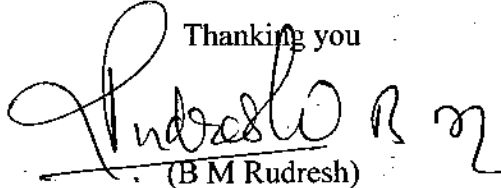
TO,
State project coordinator / Officer on special duty
SPFU, Karnataka,
Office of the directorate of Technical Education,
4th floor, Palace Road, Bangalore -560001

Dear Sir,

**Sub: Submission of Data Audit Report of TEQIP Phase -II in respect of B M S College of Engineering,
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Thanking you



(B M Rudresh)

Data Auditor

BMS College of Engineering
TEQIP Phase -II (2011-12, 2012-13, 2013-14, 2014-15, 2015-16)
Bangalore -560019

Technical Education Quality Improvement Programme : Phase II

INFORMATION VERIFICATION THROUGH DATA-AUDIT for the year 2011-12

1/6

Name of the Data Auditor: B M Rudresh

Date of data Audit : 25,26,27/11/2014

Name of Institution and Location: B M S College of Engineering, Bangalore -560019

Data Audit Form (01)							
No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Bachelors programs in engineering/technology							
1	(a) Number of UG programs conducted during latest academic year	12	2011-12	12	12	The data submitted during data audit were verified as per the availability of the records in the TEQIP cell of the college and were found matching with MIS report and college data source.	
	(b) Total number of UG students during latest academic year	3812		3812	3812		
	(c) Total number of women students in UG programs during latest academic year	1083		1083	1083		
	(d) Total number of SC students in UG programs during latest academic year	283		283	283		
	(e) Total number of ST students in UG programs during latest academic year	68		68	68		
	(f) Total number of OBC students in UG programs during latest academic year	596		596	596		
	(g) Percentage of final year UG students during latest academic year placed through campus interviews	82.98		82.98	82.98		
	(h) Percentage of final year UG students during latest that passed out with 75%or more aggregate marks	82		82	82		
	(i) Percentage of all 1year students [as at 1(b)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic year	87.81		87.81	87.81		
	(j) Percentage of 1year women students [as at 1(c)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic	94.27		94.27	94.27		
	(k) Percentage of 1 year SC students [as at 1(d)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	74		74	74		
	(l) Percentage of 1year ST students [as at 1(e)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	99		99	99		
	(m) Percentage of 1year OBC students [as at 1(f)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	87		87	87		

Data Audit Form (02)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
	<i>Information in respect to Masters programs in engineering/technology</i>						
2	(a) Number of full-time masters programs during latest academic year	8	2011-12	8	8	Data audited satisfactory	
	(b) Number of part-time and sandwich (Joint) Masters programs during latest academic year	1		1	1		
	(c) Total number of students enrolled for all Masters programs during latest academic year	157		157	157		
	(d) Number of faculty in-house enrolled for Masters programs during latest academic year	0		0	0		
	(e) Number of students enrolled for all Masters programs during latest academic year with scholarship	78		78	78		
	(f) Number of students enrolled for all Masters programs during latest academic year with TEQIP assistantship	0		0	0		
	(g) Total number of women students in all Masters programs during latest academic year	55		55	55		
	(h) Total number of SC students in all Masters programs during latest academic year	16		16	16		
	(i) Total number of ST students in all Masters programs during latest academic year	1		1	1		
	(j) Total number of OBC students in all Masters programs during latest academic year	50		50	50		
	(k) Percentage of final year Masters students during latest academic year placed through campus interviews	47.56		47.56	47.56		
(l) Percentage of final year Masters students during latest that passed out with 75% or more aggregate marks	82	82	82				

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Data Audit Form (03)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
<i>Information in respect to Doctoral programs</i>							
3	(a) Number of Doctoral candidates on roll up to March 31,	41	2011-12	41	41	Data audited satisfactory	
	(b) Number of in-house faculty enrolled for Doctoral programs during latest academic year	3		3	3		
	(c) Number of students enrolled for Doctoral programs during latest academic year with scholarship	0		0	0		
	(d) Number of students enrolled for Doctoral programs during latest academic year with TEQIP assistantship	0		0	0		

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Data Audit Form (04)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Faculty							
4	(a) Total number of regular full-time faculty excluding adjunct and emeritus faculty during latest academic year(Excluding AT)	252	2011-12	252	252	Data audited satisfactory	
	(b) Total number of regular full-time faculty in engineering disciplines excluding adjunct and emeritus faculty during latest academic year	224		224	224		
	(c) Number of regular full-time faculty in engineering disciplines with master's degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	164		164	164		
	(d) Number of regular full-time faculty in engineering disciplines with Doctoral degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	51		51	51		
	(e) Number of regular full-time faculty in engineering disciplines with Bachelor's degree as their highest qualification faculty during latest academic year	8		8	8		
	(f) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Scienc Teachers and (iii) others	0		0	0		
	(g) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs at other institutions during academic year latest:	3		3	3		
	(h) Number of faculty with Master's degree which are enrolled in-house for Ph.D programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Scienc Teachers and (iii) others	(i) 3		(i) 3	(i) 3		
	(i) Number of faculty with Masters degree which are enrolled in-house for PhD programs at other institutions during academic year latest: (i) Engineering Teachers (ii) Applied Scienc Teachers (iii) others	(i) 1 -- --		(i) 1 -- --	(i) 1 -- --		
	(j) Number of faculty that have attended a professional training program of 5 or more days duration during latest academic year	0		0	0		
	(k) Number of all faculty (irrespective of specialization) that have attended the Basic Module of pedagogy training during latest academic year	0		0	0		
	(l) Number of all faculty (irrespective of specialization) that have attended both the Basic and Advanced Modules of pedagogy training during latest academic year	0		0	0		
	(m) Number of faculty appraised by students during latest academic year	227		227	227		

Data Audit Form (05)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Accreditation of Program							
5	(a) Number of UG programs accredited	9	2011-12	9	9	Data audited satisfactory	
	(b) Number of UG programs for which accreditation applied for	0		0	0		
	(c) Number of PG programs accredited	2		2	2		
	(d) Number of PG programs for which accreditation applied for	0		0	0		

Data Audit Form (06)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to research and patents							
6	(a) Number of research publications in Indian refereed journals during the latest academic year	35	2011-12	35	35	Data audited satisfactory	
	(b) Number of research publications in International refereed journals during the latest academic year	93		93	93		
	(c) Number of research publications (Journal) co-authored with faculty/ researchers/ industry experts from outside the institution	68		68	68		
	(d) Number of patents in engineering related areas obtained during the latest academic year	0		0	0		
	(e) Number of patents in engineering related areas filed during the latest academic year	2		2	2		
	(f) Number of sponsored research project completed during the latest academic year	2		2	2		
	(g) Number of MOUs signed for collaborative programs with Indian industry and R&D organizations	4		4	4		
	(h) Number of MOUs signed for collaborative programs with International academic institutions and R&D organizations	0		0	0		

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Sub

Data Audit Form (07)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to Finances							
7	(a) Amount received as Block Grant during the latest academic year (Rs. In Lakhs)	0	2011-12	0	0	data audited satisfactory	
	(b) IRG from students' tuition fee and other charges during the latest academic year (Rs. In Lakhs)	1882.43		1882.43	1882.43		
	(c) IRG from externally funded R&D projects and consultancies during the latest academic year (Rs. In Lakhs)	57.76		57.76	57.76		
	(d) Total IRG during the latest academic year (Rs. in Lakhs)	3399.41		3399.41	3399.41		
	(e) Total annual recurring expenditure during the latest academic year (Rs. In Lakhs)	3675.85		3675.85	3675.85		
	(f) Amount available in Corpus Fund on March 31,	Rs.190000		Rs.190000	Rs.190000		
	(g) Amount available in Faculty Development Fund on March 31,	Rs.190000		Rs.190000	Rs.190000		
	(h) Amount available in Equipment Replacement Fund on March 31,	Rs.190000		Rs.190000	Rs.190000		
	(i) Amount available in Maintenance Fund on March 31,	Rs.190000		Rs.190000	Rs.190000		

Data Audit Form (08)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
With respect to Institutional Governance/ Management							
8	(a) Number of BoG meeting held during the latest academic year (with minutes on the web)	2	2011-12	2	2	Data audited satisfactory	
	(b) Number of institutional functionaries (Deans, HoDs, senior faculty and senior officials) that have undergone Management Capacity Enhancement training	0		0	0		

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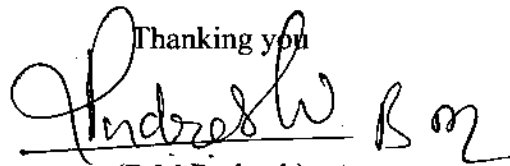
Date: 18, 19, and 20/08/2016

TO,
State project coordinator / Officer on special duty
SPFU, Karnataka,
Office of the directorate of Technical Education,
4th floor, Palace Road, Bangalore -560001

Dear Sir,

**Sub: Submission of Data Audit Report of TEQIP Phase –II in respect of B M S College of Engineering,
Bangalore -560019**

With reference to the above cited subject, data audit of TEQIP phase-II in respect of BMS College of Engineering, Bangalore -560019 (2014-15,2015-16 and review of previous years audit) was arranged on 18th to 20th of August 2016. The data audit reports of respective academic years along with the review report are enclosed herewith for your kind consideration.

Thanking you


(B M Rudresh)
Data Auditor

BMS College of Engineering
TEQIP Phase –II (2011-12, 2012-13, 2013-14, 2014-15, 2015-16)
Bangalore -560019

Technical Education Quality Improvement Programme : Phase II

INFORMATION VERIFICATION THROUGH DATA-AUDIT for the academic year 2012-13

Name of the Data Auditor: B M Rudresh

Date of data Audit : 25,26,27/11/2014

Name of Institution and Location: B M S College of Engineering, Bangalore -560019

Data Audit Form (01)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Bachelors programs in engineering/technology							
1	(a) Number of UG programs conducted during latest academic year	12	2012-13	12	12	The data submitted during data audit were verified as per the availability of the records in the TEQIP cell of the college and were found matching with MIS report and college data source.	
	(b) Total number of UG students during latest academic year	3818		3818	3818		
	(c) Total number of women students in UG programs during latest academic year	1133		1133	1133		
	(d) Total number of SC students in UG programs during latest academic year	278		278	278		
	(e) Total number of ST students in UG programs during latest academic year	65		65	65		
	(f) Total number of OBC students in UG programs during latest academic year	566		566	566		
	(g) Percentage of final year UG students during latest academic year placed through campus interviews	77.3		77.3	77.3		
	(h) Percentage of final year UG students during latest that passed out with 75%or more aggregate marks	75		75	75		
	(i) Percentage of all 1 year students [as at 1(b)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic year	96.57		96.57	96.57		
	(j) Percentage of 1 year women students [as at 1(c)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic	94.31		94.31	94.31		
	(k) Percentage of 1 year SC students [as at 1(d)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	87		87	87		
	(l) Percentage of 1 year ST students [as at 1(e)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	92		92	92		
	(m) Percentage of 1 year OBC students [as at 1(f)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	97		97	97		

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Data Audit Form (02)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to Masters programs in engineering/technology							
2	(a) Number of full-time masters programs during latest academic year	9	2012-13	9	9	Data audited satisfactory	
	(b) Number of part-time and sandwich (Joint) Masters programs during latest academic year	1		1	1		
	(c) Total number of students enrolled for all Masters programs during latest academic year	163		163	163		
	(d) Number of faculty in-house enrolled for Masters programs during latest academic year	0		0	0		
	(e) Number of students enrolled for all Masters programs during latest academic year with scholarship	92		92	92		
	(f) Number of students enrolled for all Masters programs during latest academic year with TEQIP assistantship	49		49	49		
	(g) Total number of women students in all Masters programs during latest academic year	54		54	54		
	(h) Total number of SC students in all Masters programs during latest academic year	19		19	19		
	(i) Total number of ST students in all Masters programs during latest academic year	5		5	5		
	(j) Total number of OBC students in all Masters programs during latest academic year	57		57	57		
	(k) Percentage of final year Masters students during latest academic year placed through campus interviews	37.75		37.75	37.75		
(l) Percentage of final year Masters students during latest that passed out with 75% or more aggregate marks	75	75	75				

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Data Audit Form (03)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
<i>Information in respect to Doctoral programs</i>							
3	(a) Number of Doctoral candidates on roll up to March 31,	20	2012-13	20	20	Data audited satisfactory	
	(b) Number of in-house faculty enrolled for Doctoral programs during latest academic year	7		7	7		
	(c) Number of students enrolled for Doctoral programs during latest academic year with scholarship	0		0	0		
	(d) Number of students enrolled for Doctoral programs during latest academic year with TEQIP assistantship	5		5	5		

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Data Audit Form (04)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Faculty							
4	(a) Total number of regular full-time faculty excluding adjunct and emeritus faculty during latest academic year(Excluding AT)	260	2012-13	260	260	Data audited satisfactory	
	(b) Total number of regular full-time faculty in engineering disciplines excluding adjunct and emeritus faculty during latest academic year	232		232	232		
	(c) Number of regular full-time faculty in engineering disciplines with master's degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	161		161	161		
	(d) Number of regular full-time faculty in engineering disciplines with Doctoral degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	61		61	61		
	(e) Number of regular full-time faculty in engineering disciplines with Bachelor's degree as their highest qualification faculty during latest academic year	10		10	10		
	(f) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Scienc Teachers and (iii) others	0		0	0		
	(g) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs at other institutions during academic year latest:	0		0	0		
	(h) Number of faculty with Master's degree which are enrolled in-house for Ph.D programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Scienc Teachers and (iii) others	(i) 7		(i) 7	(i) 7		
	(i) Number of faculty with Masters degree which are enrolled in-house for PhD programs at other institutions during academic year latest: (i) Engineering Teachers (ii) Applied Scienc Teachers (iii) others	(i) 3 -- --		(i) 3 -- --	(i) 3 -- --		4/6
	(j) Number of faculty that have attended a professional training program of 5 or more days duration during latest academic year	0		0	0		
	(k) Number of all faculty (irrespective of specialization) that have attended the Basic Module of pedagogy training during latest academic year	0		0	0		
	(l) Number of all faculty (irrespective of specialization) that have attended both the Basic and Advanced Modules of pedagogy training during latest academic year	0		0	0		
	(m) Number of faculty appraised by students during latest academic year	207		207	207		

Data Audit Form (05)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Accreditation of Program							
5	(a) Number of UG programs accredited	0	2012-13	0	0	Data audited satisfactory	
	(b) Number of UG programs for which accreditation applied for	12		12	12		
	(c) Number of PG programs accredited	5		5	5		
	(d) Number of PG programs for which accreditation applied for	0		0	0		

Data Audit Form (06)

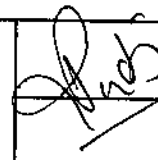
No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to research and patents							
6	(a) Number of research publications in Indian refereed journals during the latest academic year	18	2012-13	18	18	Data audited satisfactory	
	(b) Number of research publications in International refereed journals during the latest academic year	83		83	83		
	(c) Number of research publications (Journal) co-authored with faculty/ researchers/ industry experts from outside the institution	35		35	35		
	(d) Number of patents in engineering related areas obtained during the latest academic year	0		0	0		
	(e) Number of patents in engineering related areas filed during the latest academic year	3		3	3		
	(f) Number of sponsored research project completed during the latest academic year	0		0	0		
	(g) Number of MOUs signed for collaborative programs with Indian industry and R&D organizations	4		4	4		
	(h) Number of MOUs signed for collaborative programs with International academic institutions and R&D organizations	0		0	0		

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Data Audit Form (07)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to Finances							
7	(a) Amount received as Block Grant during the latest academic year (Rs. In Lakhs)	0	2012-13	0	0	Data audited satisfactory	
	(b) IRG from students' tuition fee and other charges during the latest academic year (Rs. In Lakhs)	2736.87		2736.87	2736.87		
	(c) IRG from externally funded R&D projects and consultancies during the latest academic year (Rs. In Lakhs)	3569.107		3569.107	3569.107		
	(d) Total IRG during the latest academic year (Rs. in Lakhs)	3853.77		3853.77	3853.77		
	(e) Total annual recurring expenditure during the latest academic year (Rs. In Lakhs)	3586.32		3586.32	3586.32		
	(f) Amount available in Corpus Fund on March 31,	Rs.272854		Rs.272854	Rs.272854		
	(g) Amount available in Faculty Development Fund on March 31,	Rs.272855		Rs.272855	Rs.272855		
	(h) Amount available in Equipment Replacement Fund on March 31,	Rs.272853		Rs.272853	Rs.272853		
	(i) Amount available in Maintenance Fund on March 31,	Rs.272855		Rs.272855	Rs.272855		

Data Audit Form (08)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
With respect to Institutional Governance/ Management							
8	(a) Number of BoG meeting held during the latest academic year (with minutes on the web)	3	2012-13	3	3	Data audited satisfactory	
	(b) Number of institutional functionaries (Deans, HoDs, senior faculty and senior officials) that have undergone Management Capacity Enhancement training	0		0	0		

Date: 18, 19, and 20/08/2016

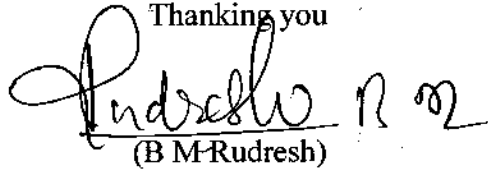
TO,
State project coordinator / Officer on special duty
SPFU, Karnataka,
Office of the directorate of Technical Education,
4th floor, Palace Road, Bangalore -560001

Dear Sir,

**Sub: Submission of Data Audit Report of TEQIP Phase –II in respect of B M S College of Engineering,
Bangalore -560019**

With reference to the above cited subject, data audit of TEQIP phase-II in respect of BMS College of Engineering, Bangalore -560019 (2014-15,2015-16 and review of previous years audit) was arranged on 18th to 20th of August 2016. The data audit reports of respective academic years along with the review report are enclosed herewith for your kind consideration.

Thanking you



(B M Rudresh)

Data Auditor

BMS College of Engineering
TEQIP Phase –II (2011-12, 2012-13, 2013-14, 2014-15, 2015-16)
Bangalore -560019


Technical Education Quality Improvement Programme : Phase II
INFORMATION VERIFICATION THROUGH DATA-AUDIT for the year : 2013-14

Name of the Data Auditor: B M Rudresh

Date of data Audit : 25,26,27/11/2014

Name of the Institution and Location: B M S College of Engineering, Bangalore -560019

Data Audit Form (01)							
No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Bachelors programs in engineering/technology							
1	(a) Number of UG programs conducted during latest academic year	12	2013-14	12	12	The data submitted during data audit were verified as per the availability of the records in the TEQIP cell of the college and were found matching with MIS report and college data source.	
	(b) Total number of UG students during latest academic year	4101		4101	4101		
	(c) Total number of women students in UG programs during latest academic year	1165		1165	1165		
	(d) Total number of SC students in UG programs during latest academic year	265		265	265		
	(e) Total number of ST students in UG programs during latest academic year	65		65	65		
	(f) Total number of OBC students in UG programs during latest academic year	677		677	677		
	(g) Percentage of final year UG students during latest academic year placed through campus interviews	76.87		76.87	76.87		
	(h) Percentage of final year UG students during latest that passed out with 75% or more aggregate marks	83		83	83		
	(i) Percentage of all 1 year students [as at 1(b)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic year	74.79		74.79	74.79		
	(j) Percentage of 1 year women students [as at 1(c)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic	96		96	96		
	(k) Percentage of 1 year SC students [as at 1(d)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic year	91		91	91		
	(l) Percentage of 1 year ST students [as at 1(e)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic year	98		98	98		
	(m) Percentage of 1 year OBC students [as at 1(f)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic year	98		98	98		

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Data Audit Form (02)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
	Information in respect to Masters programs in engineering/technology						
2	(a) Number of full-time masters programs during latest academic year	11	2013-14	11	11	Data audited satisfactory	
	(b) Number of part-time and sandwich (Joint) Masters programs during latest academic year	1		1	1		
	(c) Total number of students enrolled for all Masters programs during latest academic year	196		196	196		
	(d) Number of faculty in-house enrolled for Masters programs during latest academic year	0		0	0		
	(e) Number of students enrolled for all Masters programs during latest academic year with scholarship	99		99	99		
	(f) Number of students enrolled for all Masters programs during latest academic year with TEQIP assistantship	129		129	129		
	(g) Total number of women students in all Masters programs during latest academic year	22		22	22		
	(h) Total number of SC students in all Masters programs during latest academic year	6		6	6		
	(i) Total number of ST students in all Masters programs during latest academic year	2		2	2		
	(j) Total number of OBC students in all Masters programs during latest academic year	15		15	15		
	(k) Percentage of final year Masters students during latest academic year placed through campus interviews	43.75		43.75	43.75		
(l) Percentage of final year Masters students during latest that passed out with 75% or more aggregate marks	83	83	83				

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Data Audit Form (03)

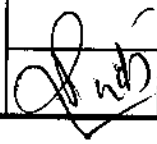
No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
<i>Information in respect to Doctoral programs</i>							
3	(a) Number of Doctoral candidates on roll up to March 31,	48	2013-14	48	48	Data audited satisfactory	
	(b) Number of in-house faculty enrolled for Doctoral programs during latest academic year	16		16	16		
	(c) Number of students enrolled for Doctoral programs during latest academic year with scholarship	0		0	0		
	(d) Number of students enrolled for Doctoral programs during latest academic year with TEQIP assistantship	13		13	13		

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Data Audit Form (04)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Faculty							
4	(a) Total number of regular full-time faculty excluding adjunct and emeritus faculty during latest academic year(Excluding AT)	287		287	287	Data audited satisfactory	
	(b) Total number of regular full-time faculty in engineering disciplines excluding adjunct and emeritus faculty during latest academic year	251		251	251		
	(c) Number of regular full-time faculty in engineering disciplines with master's degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	169		169	169		
	(d) Number of regular full-time faculty in engineering disciplines with Doctoral degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	77		77	77		
	(e) Number of regular full-time faculty in engineering disciplines with Bachelor's degree as their highest qualification faculty during latest academic year	5		5	5		
	(f) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Sciencce Teachers and (iii) others	0		0	0		
	(g) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs at other institutions during academic year latest:	2		2	2		
	(h) Number of faculty with Master's degree which are enrolled in-house for Ph.D programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Sciencce Teachers and (iii) others	16		16	16		
	(i) Number of faculty with Masters degree which are enrolled in-house for PhD programs at other institutions during academic year latest: (i) Engineering Teachers (ii) Applied Sciencce Teachers (iii) others	5 --- --		5 --- --	5 --- --		
	(j) Number of faculty that have attended a professional training program of 5 or more days duration during latest academic year	92		92	92		
	(k) Number of all faculty (irrespective of specialization) that have attended the Basic Module of pedagogy training during latest academic year	0		0	0		
	(l) Number of all faculty (irrespective of specialization) that have attended both the Basic and Advanced Modules of pedagogy training during latest academic year	0		0	0		
	(m) Number of faculty appraised by students during latest academic year	260		260	260		

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Data Audit Form (05)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Accreditation of Program							
5	(a) Number of UG programs accredited	2	2013-14	2	2	Data audited satisfactory	
	(b) Number of UG programs for which accreditation applied for	0		0	0		
	(c) Number of PG programs accredited	4		4	4		
	(d) Number of PG programs for which accreditation applied for	0		0	0		

Data Audit Form (06)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to research and patents							
6	(a) Number of research publications in Indian refereed journals during the latest academic year	7	2013-14	7	7	Data audited satisfactory	
	(b) Number of research publications in International refereed journals during the latest academic year	93		93	93		
	(c) Number of research publications (Journal) co-authored with faculty/ researchers/ industry experts from outside the institution	16		16	16		
	(d) Number of patents in engineering related areas obtained during the latest academic year	4		4	4		
	(e) Number of patents in engineering related areas filed during the latest academic year	4		4	4		
	(f) Number of sponsored research project completed during the latest academic year	0		0	0		
	(g) Number of MOUs signed for collaborative programs with Indian industry and R&D organizations	1		1	1		
	(h) Number of MOUs signed for collaborative programs with International academic institutions and R&D organizations	0		0	0		

5/6

[Handwritten Signature]

Data Audit Form (07)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in-respect to Finances							
7	(a) Amount received as Block Grant during the latest academic year (Rs. In Lakhs)	0	2013-14	0	0	Data audited satisfactory	
	(b) IRG from students' tuition fee and other charges during the latest academic year (Rs. In Lakhs)	3318.37		3318.37	3318.37		
	(c) IRG from externally funded R&D projects and consultancies during the latest academic year (Rs. In Lakhs)	84.74		84.74	84.74		
	(d) Total IRG during the latest academic year (Rs. in Lakhs)	4571.08		4571.08	4571.08		
	(e) Total annual recurring expenditure during the latest academic year (Rs. In Lakhs)	4611.118		4611.118	4611.118		
	(f) Amount available in Corpus Fund on March 31,	Rs.400862		Rs.400862	Rs.400862		
	(g) Amount available in Faculty Development Fund on March 31,	Rs.887987		Rs.13,191,132	Rs.13,191,132		
	(h) Amount available in Equipment Replacement Fund on March 31,	Rs.293279		Rs.293279	Rs.293279		
	(i) Amount available in Maintenance Fund on March 31,	Rs.2932279		Rs.2932279	Rs.2932279		

Data Audit Form (08)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
With respect to Institutional Governance/ Management							
8	(a) Number of BoG meeting held during the latest academic year (with minutes on the web)	4	2013-14	4	4	Data audited satisfactory	
	(b) Number of institutional functionaries (Deans, HoDs, senior faculty and senior officials) that have undergone Management Capacity Enhancement training	51		51	51		

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Date: 18, 19, and 20/08/2016

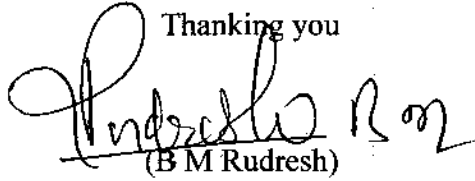
TO,
State project coordinator / Officer on special duty
SPFU, Karnataka,
Office of the directorate of Technical Education,
4th floor, Palace Road, Bangalore -560001

Dear Sir,

**Sub: Submission of Data Audit Report of TEQIP Phase –II in respect of B M S College of Engineering,
Bangalore -560019**

With reference to the above cited subject, data audit of TEQIP phase-II in respect of BMS College of Engineering, Bangalore -560019 (2014-15,2015-16 and review of previous years audit) was arranged on 18th to 20th of August 2016. The data audit reports of respective academic years along with the review report are enclosed herewith for your kind consideration.

Thanking you



(B M Rudresh)

Data Auditor

BMS College of Engineering
TEQIP Phase –II (2011-12, 2012-13, 2013-14, 2014-15, 2015-16)
Bangalore -560019

Technical Education Quality Improvement Programme : Phase II

INFORMATION VERIFICATION THROUGH DATA-AUDIT for the year 2014-15

Name of the Data Auditor: B M Rudresh

Date of data Audit : 18,19,20/08/2016

Name of Institution and Location: B M S College of Engineering, Bangalore -560019

Data Audit Form (01)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Bachelors programs in engineering/technology							
1	(a) Number of UG programs conducted during latest academic year	12	2014-15	12	12	The data submitted during data audit were verified as per the availability of the records in the TEQIP cell of the college and were found matching with MIS report and college data source.	
	(b) Total number of UG students during latest academic year	4214		4214	4214		
	(c) Total number of women students in UG programs during latest academic year	1243		1243	1243		
	(d) Total number of SC students in UG programs during latest academic year	315		315	315		
	(e) Total number of ST students in UG programs during latest academic year	64		64	64		
	(f) Total number of OBC students in UG programs during latest academic year	1605		1605	1605		
	(g) Percentage of final year UG students during latest academic year placed through campus interviews	75		75	75		
	(h) Percentage of final year UG students during latest that passed out with 75%or more aggregate marks	84.7		84.7	84.7		
	(i) Percentage of all 1year students [as at 1(b)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic year	81.5		81.58	81.58		
	(j) Percentage of 1year women students [as at 1(c)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic	90		90	90		
	(k) Percentage of 1 year SC students [as at 1(d)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	86.76		86.76	86.76		
	(l) Percentage of 1year ST students [as at 1(e)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	63.6		63.6	63.6		
	(m) Percentage of 1year OBC students [as at 1(f)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	95.65		95.65	95.65		

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[Signature]

Data Audit Form (02)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Masters programs in engineering/technology							
2	(a) Number of full-time masters programs during latest academic year	13	2014-15	13	13	Data audited satisfactory	
	(b) Number of part-time and sandwich (Joint) Masters programs during latest academic year	1		1	1		
	(c) Total number of students enrolled for all Masters programs during latest academic year	240		240	240		
	(d) Number of faculty in-house enrolled for Masters programs during latest academic year	0		0	0		
	(e) Number of students enrolled for all Masters programs during latest academic year with scholarship	70		70	70		
	(f) Number of students enrolled for all Masters programs during latest academic year with TEQIP assistantship	178		178	178		
	(g) Total number of women students in all Masters programs during latest academic year	78		78	78		
	(h) Total number of SC students in all Masters programs during latest academic year	24		24	24		
	(i) Total number of ST students in all Masters programs during latest academic year	6		6	6		
	(j) Total number of OBC students in all Masters programs during latest academic year	45		45	45		
	(k) Percentage of final year Masters students during latest academic year placed through campus interviews	37		37	37		
(l) Percentage of final year Masters students during latest that passed out with 75% or more aggregate marks	48	48	48				

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Data Audit Form (03)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
<i>Information in respect to Doctoral programs</i>							
3	(a) Number of Doctoral candidates on roll up to March 31,	43	2014-15	43	43	Data audited satisfactory	
	(b) Number of in-house faculty enrolled for Doctoral programs during latest academic year	6		6	6		
	(c) Number of students enrolled for Doctoral programs during latest academic year with scholarship	0		0	0		
	(d) Number of students enrolled for Doctoral programs during latest academic year with TEQIP assistantship	15		15	15		

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Data Audit Form (04)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Faculty							
4	(a) Total number of regular full-time faculty excluding adjunct and emeritus faculty during latest academic year(Excluding AT)	311	2014-15	311	311	Data audited satisfactory	
	(b) Total number of regular full-time faculty in engineering disciplines excluding adjunct and emeritus faculty during latest academic year	271		271	271		
	(c) Number of regular full-time faculty in engineering disciplines with master's degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	169		169	169		
	(d) Number of regular full-time faculty in engineering disciplines with Doctoral degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	102		102	102		
	(e) Number of regular full-time faculty in engineering disciplines with Bachelor's degree as their highest qualification faculty during latest academic year	0		0	0		
	(f) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Science Teachers and (iii) others	0		0	0		
	(g) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs at other institutions during academic year latest:	0		0	0		
	(h) Number of faculty with Master's degree which are enrolled in-house for Ph.D programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Science Teachers and (iii) others	0		0	0		
	(i) Number of faculty with Masters degree which are enrolled in-house for PhD programs at other institutions during academic year latest: (i) Engineering Teachers (ii) Applied Science Teachers (iii) others	(i) 5 (ii) 1		(i) 5 (ii) 1	(i) 5 (ii) 1		
	(j) Number of faculty that have attended a professional training program of 5 or more days duration during latest academic year	33		33	33		
	(k) Number of all faculty (irrespective of specialization) that have attended the Basic Module of pedagogy training during latest academic year	29		29	29		
	(l) Number of all faculty (irrespective of specialization) that have attended both the Basic and Advanced Modules of pedagogy training during latest academic year	20		20	20		
	(m) Number of faculty appraised by students during latest academic year	201		201	201		

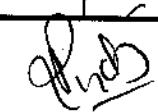
4/6
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Data Audit Form (05)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Accreditation of Program							
5	(a) Number of UG programs accredited	11	2014-15	11	11	Data audited satisfactory	
	(b) Number of UG programs for which accreditation applied for	1		1	1		
	(c) Number of PG programs accredited	4		4	4		
	(d) Number of PG programs for which accreditation applied for	4		4	4		

Data Audit Form (06)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to research and patents							
6	(a) Number of research publications in Indian refereed journals during the latest academic year	20	2014-15	20	20	Data audited satisfactory	
	(b) Number of research publications in International refereed journals during the latest academic year	162		162	162		
	(c) Number of research publications (Journal) co-authored with faculty/ researchers/ industry experts from outside the institution	52		52	52		
	(d) Number of patents in engineering related areas obtained during the latest academic year	4		4	4		
	(e) Number of patents in engineering related areas filed during the latest academic year	21		21	21		
	(f) Number of sponsored research project completed during the latest academic year	2		2	2		
	(g) Number of MOUs signed for collaborative programs with Indian industry and R&D organizations	13		13	13		
	(h) Number of MOUs signed for collaborative programs with International academic institutions and R&D organizations	1		1	1		

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Data Audit Form (07)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Finances							
7	(a) Amount received as Block Grant during the latest academic year (Rs. In Lakhs)	0	2014-15	0	0	Data audited satisfactory	
	(b) IRG from students' tuition fee and other charges during the latest academic year (Rs. In Lakhs)	4396.8		4396.8	4396.8		
	(c) IRG from externally funded R&D projects and consultancies during the latest academic year (Rs. In Lakhs)	22.82		22.82	22.82		
	(d) Total IRG during the latest academic year (Rs. in Lakhs)	5809.07		5809.07	5809.07		
	(e) Total annual recurring expenditure during the latest academic year (Rs. In Lakhs)	5426.01		5426.01	5426.01		
	(f) Amount available in Corpus Fund on March 31,	Rs.307380		Rs.307380	Rs.307380		
	(g) Amount available in Faculty Development Fund on March 31,	Rs.564972		Rs.564972	Rs.564972		
	(h) Amount available in Equipment Replacement Fund on March 31,	Rs.303034		Rs.303034	Rs.303034		
	(i) Amount available in Maintenance Fund on March 31,	Rs.303034		Rs.303034	Rs.303034		

Data Audit Form (08)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
With respect to Institutional Governance/ Management							
8	(a) Number of BoG meeting held during the latest academic year (with minutes on the web)	3	2014-15	3	3	Data audited satisfactory	
	(b) Number of institutional functionaries (Deans, HoDs, senior faculty and senior officials) that have undergone Management Capacity Enhancement training	19		19	19		

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Date: 18, 19, and 20/08/2016

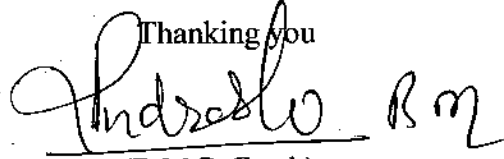
TO,
State project coordinator / Officer on special duty
SPFU, Karnataka,
Office of the directorate of Technical Education,
4th floor, Palace Road, Bangalore -560001

Dear Sir,

**Sub: Submission of Data Audit Report of TEQIP Phase –II in respect of B M S College of Engineering,
Bangalore -560019**

With reference to the above cited subject, data audit of TEQIP phase-II in respect of BMS College of Engineering, Bangalore -560019 (2014-15,2015-16 and review of previous years audit) was arranged on 18th to 20th of August 2016. The data audit reports of respective academic years along with the review report are enclosed herewith for your kind consideration.

Thanking you



(B M Rudresh)
Data Auditor

BMS College of Engineering
TEQIP Phase –II (2011-12, 2012-13, 2013-14, 2014-15, 2015-16)
Bangalore -560019

Technical Education Quality Improvement Programme : Phase II

INFORMATION VERIFICATION THROUGH DATA-AUDIT for the year 2015-16

Name of the Data Auditor: B M Rudresh

Date of data Audit : 18,19,20/08/2016

Name of the Institution and Location: B M S College of Engineering, Bangalore -560019

Data Audit Form (01)								
No	Particulars	2010-11	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Bachelors programs in engineering/technology								
1	(a) Number of UG programs conducted during latest academic year	12	12	2015-16	12	12	The data submitted during data audit were verified as per the availability of the records in the TEQIP cell of the college and were found matching with MIS report and college data source .	
	(b) Total number of UG students during latest academic year	3660	4532		4532	4532		
	(c) Total number of women students in UG programs during latest academic year	918	1259		1259	1259		
	(d) Total number of SC students in UG programs during latest academic year	347	371		371	371		
	(e) Total number of ST students in UG programs during latest academic year	55	65		65	65		
	(f) Total number of OBC students in UG programs during latest academic year	445	1121		1121	1121		
	(g) Percentage of final year UG students during latest academic year placed through campus interviews	87	80		80	80		
	(h) Percentage of final year UG students during latest that passed out with 75%or more aggregate marks	80	83		83.12	83.12		
	(i) Percentage of all 1year students [as at 1(b)] during latest that passed all courses fully and successfully got admitted to 2 year in the current academic year	67	64		63	63		
	(j) Percentage of 1year women students [as at 1(c)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic	86	89		89	89		
	(k) Percentage of 1 year SC students [as at 1(d)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	63	50		50	50		
	(l) Percentage of 1year ST students [as at 1(e)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	64	61		61	61		
	(m) Percentage of 1year OBC students [as at 1(f)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	85	85		85	85		

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Data Audit Form (02)

No	Particulars	2010-11	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
<i>Information in respect to Masters programs in engineering/technology</i>								
2	(a) Number of full-time masters programs during latest academic year	8	13	2015-16	13	13	Data audited satisfactory	
	(b) Number of part-time and sandwich (Joint) Masters programs during latest academic year	1	1		1	1		
	(c) Total number of students enrolled for all Masters programs during latest academic year	144	234		234	234		
	(d) Number of faculty in-house enrolled for Masters programs during latest academic year	0	0		0	0		
	(e) Number of students enrolled for all Masters programs during latest academic year with scholarship	32	102		102	102		
	(f) Number of students enrolled for all Masters programs during latest academic year with TEQIP assistantship	0	116		116	116		
	(g) Total number of women students in all Masters programs during latest academic year	54	82		82	82		
	(h) Total number of SC students in all Masters programs during latest academic year	20	31		31	31		
	(i) Total number of ST students in all Masters programs during latest academic year	2	4		4	4		
	(j) Total number of OBC students in all Masters programs during latest academic year	28	44		44	44		
	(k) Percentage of final year Masters students during latest academic year placed through campus interviews	51.19	58		58	58		
(l) Percentage of final year Masters students during latest that passed out with 75% or more aggregate marks	71	Progress	Progress					


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Data Audit Form (03)

No	Particulars	2010-11	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
	<i>Information in respect to Doctoral programs</i>							
3	(a) Number of Doctoral candidates on roll up to March 31,	15	58	2015-16	58	58	Data audited satisfactory	
	(b) Number of in-house faculty enrolled for Doctoral programs during latest academic year	5	0		0	0		
	(c) Number of students enrolled for Doctoral programs during latest academic year with scholarship	0	0		0	0		
	(d) Number of students enrolled for Doctoral programs during latest academic year with TEQIP assistantship	0	29		29	29		

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Data Audit Form (04)

No	Particulars	2010-11	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Faculty								
4	(a) Total number of regular full-time faculty excluding adjunct and emeritus faculty during latest academic year(Excluding AT)	220	314	2015-16	314	314	Data audited satisfactory	
	(b) Total number of regular full-time faculty in engineering disciplines excluding adjunct and emeritus faculty during latest academic year	199	273		273	273		
	(c) Number of regular full-time faculty in engineering disciplines with Master's degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	152	163		163	163		
	(d) Number of regular full-time faculty in engineering disciplines with Doctoral degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	50	110		110	110		
	(e) Number of regular full-time faculty in engineering disciplines with Bachelor's degree as their highest qualification faculty during latest academic year	6	0		0	0		
	(f) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Scienc Teachers and (iii) others	0	0		0	0		
	(g) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs at other institutions during academic year latest:	(i) 3	0		0	0		
	(h) Number of faculty with Master's degree which are enrolled in-house for Ph.D programs in parent institution during academic year latest: (i) Engineering Teachers (ii) Applied Scienc Teachers and (iii) others	(i) 5	0		0	0		
	(i) Number of faculty with Masters degree which are enrolled in-house for PhD programs at other institutions during academic year latest: (i) Engineering Teachers (ii) Applied Scienc Teachers (iii) others	(i) 9 (ii) 2 --	(i) 1 (ii) 1 --		(i) 1 (ii) 1 --	(i) 1 (ii) 1 --		
	(j) Number of faculty that have attended a professional training program of 5 or more days duration during latest academic year	42	64		64	64		
	(k) Number of all faculty (irrespective of specialization) that have attended the Basic Module of pedagogy training during latest academic year	0	40		40	40		
	(l) Number of all faculty (irrespective of specialization) that have attended both the Basic and Advanced Modules of pedagogy training during latest academic year	0	32		32	32		
	(m) Number of faculty appraised by students during latest academic year	200	245		245	245		

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Data Audit Form (05)

No	Particulars	2010-11	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Accreditation of Program								
5	(a) Number of UG programs accredited	9	11		11	11	Data audited satisfactory	
	(b) Number of UG programs for which accreditation applied for	0	1		1	1		
	(c) Number of PG programs accredited	2	0		0	0		
	(d) Number of PG programs for which accreditation applied for	0	9		9	9		

Data Audit Form (06)

No	Particulars	2010-11	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to research and patents								
6	(a) Number of research publications in Indian refereed journals during the latest academic year	27	15	2015-16	15	15	Data audited satisfactory	
	(b) Number of research publications in International refereed journals during the latest academic year	40	214		214	214		
	(c) Number of research publications (Journal) co-authored with faculty/ researchers/ industry experts from outside the institution	20	66		66	66		
	(d) Number of patents in engineering related areas obtained during the latest academic year	0	0		0	0		
	(e) Number of patents in engineering related areas filed during the latest academic year	0	10		10	10		
	(f) Number of sponsored research project completed during the latest academic year	3	2		2	2		
	(g) Number of MOUs signed for collaborative programs with Indian industry and R&D organizations	2	6		6	6		
	(h) Number of MOUs signed for collaborative programs with International academic institutions and R&D organizations	1	2		2	2		

5/6

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Data Audit Form (07)

No	Particulars	2010-11	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to Finances								
7	(a) Amount received as Block Grant during the latest academic year (Rs. In Lakhs)	0	0	2015-16	0	0	Data audited satisfactory	
	(b) IRG from students' tuition fee and other charges during the latest academic year (Rs. In Lakhs)	1436.804	5001.347		5001.347	5001.347		
	(c) IRG from externally funded R&D projects and consultancies during the latest academic year (Rs. In Lakhs)	46.2	147.82		147.82	147.82		
	(d) Total IRG during the latest academic year (Rs. in Lakhs)	2190.66	655.88		655.88	655.88		
	(e) Total annual recurring expenditure during the latest academic year (Rs. In Lakhs)	2742	626.22		626.22	626.22		
	(f) Amount available in Corpus Fund on March 31,	Rs. 25,000,00	Rs.13,308,773		Rs.13,308,773	Rs.13,308,773		
	(g) Amount available in Faculty Development Fund on March 31,	Rs. 25,000,00	Rs.13,191,132		Rs.13,191,132	Rs.13,191,132		
	(h) Amount available in Equipment Replacement Fund on March 31,	Rs. 25,000,00	Rs.13,191,132		Rs.13,191,132	Rs.13,191,132		
	(i) Amount available in Maintenance Fund on March 31,	Rs. 25,000,00	Rs.13,234,162		Rs.13,234,162	Rs.13,234,162		

Data Audit Form (08)

No	Particulars	2010-11	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
With respect to Institutional Governance/ Management								
8	(a) Number of BoG meeting held during the latest academic year (with minutes on the web)	4	3	2015-16	3	3	Data audited satisfactory	
	(b) Number of institutional functionaries (Deans, HoDs, senior faculty and senior officials) that have undergone Management Capacity Enhancement training	0	37		37	37		

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Date: 18, 19, and 20/08/2016

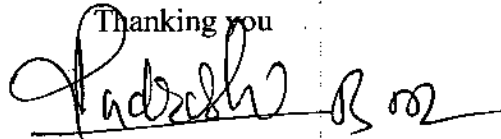
TO,
State project coordinator / Officer on special duty
SPFU, Karnataka,
Office of the directorate of Technical Education,
4th floor, Palace Road, Bangalore -560001

Dear Sir,

**Sub: Submission of Data Audit Report of TEQIP Phase –II in respect of B M S College of Engineering,
Bangalore -560019**

With reference to the above cited subject, data audit of TEQIP phase-II **Centre of excellence in advanced materials research (1.2.1)** in respect of BMS College of Engineering, Bangalore - 560019 (2014-15,2015-16 and review of previous years audit) was arranged on 18th to 20th of August 2016. The data audit reports of respective academic years along with the review report are enclosed herewith for your kind consideration.

Thanking you



(B M Rudresh)
Data Auditor

BMS College of Engineering
TEQIP Phase –II (2011-12, 2012-13, 2013-14, 2014-15, 2015-16)
Bangalore -560019

Technical Education Quality Improvement Programme : Phase II
INFORMATION VERIFICATION THROUGH DATA-AUDIT for the year 2014-15
Centre of Excellence : Advanced Material Research

Name of the Data Auditor: B M Rudresh

Date of data Audit : 17,18,19/08/2014

Name of Institution and Location: B M S College of Engineering, Bangalore -560019

Data Audit Form (01)							
No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
1	Information in respect to Bachelors programs in engineering/technology	Not applicable					
Data Audit Form (02)							
No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Masters programs in engineering/technology							
2	(a) Number of full-time masters programs during latest academic year	1	2014-15	1	1	Data audited satisfactory	
	(b) Number of part-time and sandwich (Joint) Masters programs during latest academic year	0		0	0		
	(c) Total number of students enrolled for all Masters programs during latest academic year	21		21	21		
	(d) Number of faculty in-house enrolled for Masters programs during latest academic year	0		0	0		
	(e) Number of students enrolled for all Masters programs during latest academic year with scholarship	Not applicable		Not applicable			
	(f) Number of students enrolled for all Masters programs during latest academic year with TEQIP assistantship	17		17	17		
	(g) Total number of women students in all Masters programs during latest academic year	2		2	2		
	(h) Total number of SC students in all Masters programs during latest academic year	2		2	2		
	(i) Total number of ST students in all Masters programs during latest academic year	0		0	0		
	(j) Total number of OBC students in all Masters programs during latest academic year	5		5	5		
	(k) Percentage of final year Masters students during latest academic year placed through campus interviews	Progress		Progress			
	(l) Percentage of final year Masters students during latest that passed out with 75% or more aggregate marks	Progress		Progress			

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Data Audit Form (03)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
	<i>Information in respect to Doctoral programs</i>						
3	(a) Number of Doctoral candidates on roll up to March 31,	0	2014-15	0	0	Data audited satisfactory	
	(b) Number of in-house faculty enrolled for Doctoral programs during latest academic year	0		0	0		
	(c) Number of students enrolled for Doctoral programs during latest academic year with scholarship	Not applicable		Not applicable	Not applicable		
	(d) Number of students enrolled for Doctoral programs during latest academic year with TEQIP assistantship	0		0	0		

Data Audit Form (04)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
4	<i>Information in respect to Faculty</i>	Not applicable					

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Data Audit Form (05)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Accreditation of Program							
5	(b) Number of UG programs for which accreditation applied for	0	2014-15	0	0	Data audited satisfactory	
	(c) Number of PG programs accredited	0		0	0		
	(d) Number of PG programs for which accreditation applied for	0		0	0		

Data Audit Form (06)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to research and patents							
6	(a) Number of research publications in Indian refereed journals during the latest academic year	0	2014-15	0	0	Data audited satisfactory	
	(b) Number of research publications in International refereed journals during the latest academic year	8		8	8		
	(c) Number of research publications (Journal) co-authored with faculty/ researchers/ industry experts from outside the institution	8		8	8		
	(d) Number of patents in engineering related areas obtained during the latest academic year	0		0	0		
	(e) Number of patents in engineering related areas filed during the latest academic year	0		0	0		
	(f) Number of sponsored research project completed during the latest academic year	0		0	0		
	(g) Number of MOUs signed for collaborative programs with Indian industry and R&D organizations	0		0	0		
	(h) Number of MOUs signed for collaborative programs with International academic institutions and R&D organizations	0		0	0		

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Data Audit Form (07)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to Finances							
7	Procurement of goods (equipment, furniture, books, LR, software and minor items) and civil works for improvement in research and development facilities (Rs.in lakhs)	1321.18	2014-15	1321.18	1321.18	Data audited satisfactory	
	Provide Teaching and Research Assistantships for enrolment in Masters and Doctoral programmes in topics linked to economic or societal needs in the	6.8		6.8	6.8		
	Collaboration with industry for applicable research and product development (Rs.in lakhs)	0.23		0.23	0.23		
	National / International collaboration for Research and Development activities with Academic Institutions and R & D organisations (Rs.in lakhs)	3.94		3.94	3.94		
	Enhancing research competence of faculty and knowledge sharing in thematic areas, both within India and abroad (Rs.in lakhs)	1.98		1.98	1.98		
	Incremental operating cost (Rs.in lakhs)	12.29		12.29	12.29		

Data Audit Form (08)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
With respect to Institutional Governance/ Management							
8	(a) Number of BoG meeting held during the latest academic year (with minutes on the web)	Not applicable	2014-15	Not applicable		Data audited satisfactory	
	(b) Number of institutional functionaries (Deans, HoDs, senior faculty and senior officials) that have undergone Management Capacity Enhancement training	0		0	0		

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Date: 18, 19, and 20/08/2016

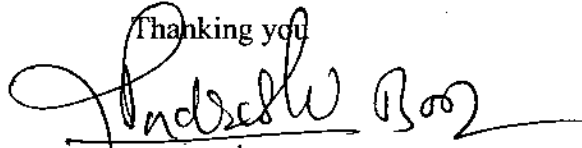
TO,
State project coordinator / Officer on special duty
SPFU, Karnataka,
Office of the directorate of Technical Education,
4th floor, Palace Road, Bangalore -560001

Dear Sir,

**Sub: Submission of Data Audit Report of TEQIP Phase –II in respect of B M S College of Engineering,
Bangalore -560019**

With reference to the above cited subject, data audit of TEQIP phase-II **Centre of excellence in advanced materials research (1.2.1)** in respect of BMS College of Engineering, Bangalore - 560019 (2014-15,2015-16 and review of previous years audit) was arranged on 18th to 20th of August 2016. The data audit reports of respective academic years along with the review report are enclosed herewith for your kind consideration.

Thanking you



(B M Rudresh)

Data Auditor

BMS College of Engineering

TEQIP Phase –II (2011-12, 2012-13, 2013-14, 2014-15, 2015-16)

Bangalore -560019


Technical Education Quality Improvement Programme : Phase II
INFORMATION VERIFICATION THROUGH DATA-AUDIT for the year 2015-16
Centre of Excellence : Advanced Material Research

Name of the Data Auditor: B M Rudresh

Date of data Audit : 17,18,19/08/2014

Name of Institution and Location: B M S College of Engineering, Bangalore -560019

Data Audit Form (01)							
No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
1	<i>Information in respect to Bachelors programs in engineering/technology</i>		Not applicable				
Data Audit Form (02)							
No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
<i>Information in respect to Masters programs in engineering/technology</i>							
2	(a) Number of full-time masters programs during latest academic year	1	2015-16	1	1	Data audited satisfactory	
	(b) Number of part-time and sandwich (Joint) Masters programs during latest academic year	0		0	0		
	(c) Total number of students enrolled for all Masters programs during latest academic year	23		23	23		
	(d) Number of faculty in-house enrolled for Masters programs during latest academic year	0		0	0		
	(e) Number of students enrolled for all Masters programs during latest academic year with scholarship	Not applicable		Not applicable			
	(f) Number of students enrolled for all Masters programs during latest academic year with TEQIP assistantship	33		33	33		
	(g) Total number of women students in all Masters programs during latest academic year	1		1	1		
	(h) Total number of SC students in all Masters programs during latest academic year	4		4	4		
	(i) Total number of ST students in all Masters programs during latest academic year	0		0	0		
	(j) Total number of OBC students in all Masters programs during latest academic year	5		5	5		
	(k) Percentage of final year Masters students during latest academic year placed through campus interviews	Progress		Progress			
(l) Percentage of final year Masters students during latest that passed out with 75% or more aggregate marks	Progress	Progress					

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Data Audit Form (03)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Doctoral programs							
3	(a) Number of Doctoral candidates on roll up to March 31,	4	2015-16	4	4	Data audited satisfactory	
	(b) Number of in-house faculty enrolled for Doctoral programs during latest academic year	0		0	0		
	(c) Number of students enrolled for Doctoral programs during latest academic year with scholarship	Not applicable		Not applicable	Not applicable		
	(d) Number of students enrolled for Doctoral programs during latest academic year with TEQIP assistantship	4		4	4		

Data Audit Form (04)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
4	Information in respect to Faculty	Not applicable					


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Data Audit Form (05)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
Information in respect to Accreditation of Program							
5	(b) Number of UG programs for which accreditation applied for	0	2015-16	0	0	Data audited satisfactory	
	(c) Number of PG programs accredited	0		0	0		
	(d) Number of PG programs for which accreditation applied for	0		0	0		

Data Audit Form (06)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to research and patents							
6	(a) Number of research publications in Indian refereed journals during the latest academic year	0	2015-16	0	0	Data audited satisfactory	
	(b) Number of research publications in International refereed journals during the latest academic year	10		10	10		
	(c) Number of research publications (Journal) co-authored with faculty/ researchers/ industry experts from outside the institution	10		10	10		
	(d) Number of patents in engineering related areas obtained during the latest academic year	0		0	0		
	(e) Number of patents in engineering related areas filed during the latest academic year	0		0	0		
	(f) Number of sponsored research project completed during the latest academic year	0		0	0		
	(g) Number of MOUs signed for collaborative programs with Indian industry and R&D organizations	0		0	0		
	(h) Number of MOUs signed for collaborative programs with International academic institutions and R&D organizations	0		0	0		

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Data Audit Form (07)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data	Comment
Information in respect to Finances							
7	Procurement of goods (equipment, furniture, books, LR's, software and minor items) and civil works for improvement in research and development facilities (Rs.in lakhs)	310.21	2015-16	310.21	310.21	Data audited satisfactory	
	Provide Teaching and Research Assistantships for enrolment in Masters and Doctoral programmes in topics linked to economic or societal needs in the	43.24		43.24	43.24		
	Collabration with industry for applicable research and product development (Rs.in lakhs)	0.96		0.96	0.96		
	National / International collabration for Research and Development activities with Academic Institutions and R & D organisations (Rs.in lakhs)	7.09		7.09	7.09		
	Enhancing research competence of faculty and knowledge sharing in thematic areas, both within India and abroad (Rs.in lakhs)	15.34		15.34	15.34		
	Incremental operating cost (Rs.in lakhs)	31.2		31.20	31.20		

Data Audit Form (08)

No	Particulars	Figure Reported in MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Comment
With respect to Institutional Governance/ Management							
8	(a) Number of BoG meeting held during the latest academic year (with minutes on the web)	Not applicable	2015-16	Not applicable		Data audited satisfactory	
	(b) Number of institutional functionaries (Deans, HoDs, senior faculty and senior officials) that have undergone Management Capacity Enhancement training	0		0	0		

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