

B.L.D.E.A's V.P. Dr. P.G.Halakatti College of Engineering and Technology, Vijayapur

(Approved by AICTE, New Delhi & Affiliated to VTU, Belgavi)



Annual Quality Assurance Report (AQAR)

2017-2018

Submitted to



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

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The Annual Quality Assurance Report (AQAR) of the IQAC

Part - A

1. Details of the Institution

1.1 Name of the Institution

BLDEAS VACHANA PITAMAHA DR. P. G. HALAKATTI
COLLEGE OF ENGINEERING AND TECHNOLOGY,
VIJAYAPURA

1.2 Address Line 1

Asharam Road,

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Asharam Road,

City/Town

Vijayapura

State

Karnataka

Pin Code

586103

Institution e-mail address

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Name of the Head of the Institution:

Dr. V. P. Huggi

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Mobile:

9611871952

IQAC e-mail address:

coordinator.iqac@bldeacet.ac.in

1.3 Website address:

www.bldeacet.ac.in

Web-link of the AQAR:

<http://bldeacet.ac.in/PDF/AQAR-Report-2017-18.pdf>

1.4 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	2.69	2018	25 th Sept. 2023

1.5 Date of Establishment of IQAC:

01/01/2018

1.6 AQAR for the year

2017-18

1.7 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

NOT APPLICABLE

1.8 Institutional Status

University	State	<input type="checkbox"/>	Central	<input type="checkbox"/>	Deemed	<input type="checkbox"/>	Private	<input checked="" type="checkbox"/>
Affiliated College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Constituent College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Autonomous college of UGC	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Regulatory Agency approved Institution	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Type of Institution	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input type="checkbox"/>		
	Urban	<input checked="" type="checkbox"/>	Rural	<input type="checkbox"/>	Tribal	<input type="checkbox"/>		
Financial Status	Grant-in-aid	<input type="checkbox"/>	UGC 2(f)	<input type="checkbox"/>	UGC 12B	<input checked="" type="checkbox"/>		
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
	Grant-in-aid + Self Financing	<input type="checkbox"/>	Totally Self-financing	<input checked="" type="checkbox"/>				

1.9 Type of Faculty/Programme

Arts	<input type="checkbox"/>	Science	<input type="checkbox"/>	Commerce	<input type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phys Edu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input checked="" type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input type="checkbox"/>		
Others (Specify)	<input type="text" value="-"/>								

1.10 Name of the Affiliating University (for the Colleges)

Visvesvaraya Technological University, Belgavi

1.11 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	<input type="text" value="-"/>	UGC-COP Programmes	<input type="text" value="-"/>
University with Potential for Excellence	<input type="text" value="-"/>	UGC-CPE	<input type="text" value="-"/>
DST Star Scheme	<input type="text" value="-"/>	UGC-CE	<input type="text" value="-"/>

UGC-Special Assistance Programme

-

DST-FIST

-

UGC-Innovative PG programmes

-

other (*Specify*)

-

2. IQAC Composition and Activities

2.1 No. of Teachers	17
2.2 No. of Administrative/Technical staff	02
2.3 No. of students	02
2.4 No. of Management representatives	01
2.5 No. of Alumni	02
2. 6 No. of any other stakeholder and Community representatives	01
2.7 No. of Employers/ Industrialists	01
2.8 No. of other External Experts	02
2.9 Total No. of members	28
2.10 No. of IQAC meetings held	02

2.11 No. of meetings with various stakeholders: No. Faculty
Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes ☐ No ☒

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Formulated the Academic and Administrative Audit processes.
- Formulated a set of academic and administrative policies (revision of existing and inclusion of new).
- Formulated code of conduct (revision of existing and inclusion of new) for teaching staff and non-teaching staff.
- Prepared a plan of action to improve admissions and also the quality of admissions.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year

S.No.	Plan of Action by IQAC	Outcome
1.	To motivate the faculty to attend FDPs conducted for enhancing teaching and learning process.	Faculty have attended workshops and FDPs conducted by IITs and NITs.
2.	Bloom's Taxonomy be utilized to create question papers for internal assessment tests	Question papers for Internal assessments were set using Blooms taxonomy.
3.	To conduct programmes for motivating faculty to do research and publish papers.	Faculty have registered for Ph.D. and published papers in peer reviewed journals.

2.16 Whether the AQAR was placed in statutory body- Yes ☐ No ☒

Management ☐ Syndicate ☐ Any other ☐

Provide the details of the action taken

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Part - B

Criterion - I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
UG	08	-	08	-
PG	07	-	07	-
PhD	03	-	03	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	18	-	18	-
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

As our institution is affiliated to VTU University, Belgavi, the curriculum and syllabi prescribed by the university are followed. Our institution follows the Choice Based Credit System (CBCS), which provides students with a wide range of elective courses across disciplines. Under CBCS, students can choose elective courses from multiple streams, including humanities, social sciences, and natural sciences, among others. The core courses are compulsory and designed to provide students with a solid foundation in their chosen discipline. In addition to CBCS, our institution also provides open elective options for students, which allow them to explore courses outside their core discipline. This provides students with a broader perspective and helps them develop interdisciplinary knowledge and skills.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	UG-8 PG-7
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni ☒ Parents ☒ Employers ☐ Students ☒
(On all aspects)

Mode of feedback : Online ☒ Manual ☒ Co-operating schools (for PEI) ☐

**Feedback is attached in the Annexure II*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes, 2017 Regulation has been introduced by VTU University, Belgavi from the Academic year 2017-2018. Our college is affiliated to VTU, Belgavi and follows the evaluation reforms of the University. Choice Based Credit System is introduced. All arrear papers will not be treated as backlogs.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion - II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
201	153	31	17	-

2.2 No. of permanent faculty with Ph.D.

21

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
-	-	-	-	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	-
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	10	01	-
Presented papers	03	-	-
Resource Persons	-	-	-

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Our institution has implemented several innovative processes in Teaching and Learning to enhance the students' learning experience. One such initiative is the use of experiential learning through various projects and activities where students work on real-life industry problems to develop solutions.

To encourage students' participation and enhance their technical skills, the institution organizes various competitions such as coding competitions, hackathons, and product modeling. Students are also trained in various programming tools to improve their coding skills and keep up with the latest industry practices.

The institution has adopted the Choice-Based Credit System (CBCS) to provide flexibility to students in choosing their subjects and courses. It also offers a range of elective options to cater to students' interests and career aspirations.

To aid the teaching and learning process, the institution uses various technological tools such as NPTEL videos, e-learning resources, and online platforms for seamless and easy access to course materials.

2.7 Total No. of actual teaching days during this academic year

156

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy and Online Multiple Choice Questions)

- Our Institution is affiliated to VTU University, Belgavi and follows the Examination and Evaluation process mandated by the VTU University.
- Double valuation is done for the candidates who apply for revaluation.

2.9 No. of faculty members involved in curriculum Restructuring /Revision/ syllabus development as member of Board of Study/ Faculty/Curriculum Development workshop

-	-	-
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2.10 Average percentage of attendance of students

85%

2.11 Course/Programme wise distribution of pass percentage:

Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
Civil	118	103
Civil (PG) Structural	14	14
CSE	118	111
CSE PG	11	11
Mech	170	164
Mech PG MD	1	1
Mech PG THERMAL	2	2
EEE	128	108
EEE PG	0	0
EC	123	111
EC PG	7	7
ISE	44	43
Arch	34	34
MCA	22	22
MBA	19	17
Auto	19	19

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

Regular meetings are conducted (at least 2 meetings / month). Steps required and initiated to achieve academic excellence are discussed in the meeting.

The five best practices followed by the institute to improve teaching / learning process are as under

1. Tutorial classes for difficult subjects (5 hrs./week).
2. Remedial classes for weak students.
3. Effective mentoring system for students.
4. Outcome based education (OBE) approach.
5. Weightage given to academics in increment policy.

Academic Audit Committee also meets twice in every year to discuss plans for improving teaching / learning.

- IQAC monitors students performance and teacher performance through a well-defined procedure.
- IQAC continuously monitors the teaching learning process, if any complaints are received from students, immediate action is initiated.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	196
Others	
Total	196

Criterion - III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Complete autonomy is given to the principal investigator.

- The Institute provides resources required for research work.
- Adequate infrastructure and human resources is available for research.
- Special leave is provided for the faculty members for carrying out the research work up to 6-months.
- Additional fund (if necessary) is provided by institute.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	14	3	-	-
Outlay in Rs. Lakhs	54.27	41.05	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	7	-	-	-
Outlay in Rs. Lakhs	0.405	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	30	-	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	14	1	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	1 Year to 2 Years	1. Vision Group of Science and Technology(VGS T), Govt., Karnataka 2. AICTE 3. NAIN (Kbits)	95.32	54.27
Minor Projects	01	1. KSCST 2. VTU FOSS	0.405 Lakhs	0.405 Lakhs
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total			1.54 Lakhs	0.97 Lakhs

95.725 Lakhs

3.7 No. of books published i) With ISBN No.

-

Chapters in Edited Books

-

ii) Without ISBN No.

-

3.8 No. of University Departments receiving funds from

UGC-SAP

-

CAS

-

DST-FIST

-

DPE

-

DBT Scheme/funds

-

3.9 For colleges

Autonomy

-

CPE

-

DBT Star Scheme

-

INSPIRE

-

CE

Any Other (specify)

-

-

3.10 Revenue generated through consultancy

Rs. 10.32 Lakhs

3.11 No. of conferences

**Organized by the
Institution**

Level	International	National	State	University	College
Number	-	-	-	-	-
Sponsoring agencies	-	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

6

3.13 No. of collaborations

International

-

National

14

Any other

-

3.14 No. of linkages created during this year

01

3.15 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.16 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
04	-	-	-	-	-	04

**3.17 No. of faculty from the Institution Who are Ph. D.
Guides and students registered under them**

21

01

3.18 No. of Ph.D. awarded by faculty from the Institution

-

3.19 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.20 No. of students Participated in NSS events:

University level State level

National level International level

3.21 No. of students participated in NCC events:

University level State level

National level International level

3.22 No. of Awards won in NSS:

University level State level

National level International level

3.23 No. of Awards won in NCC:

University level State level

National level International level

3.24 No. of Extension activities organized

University forum College forum

NCC NSS Any other

3.25 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Free Health Check Up Camp
- Three Days training on Computer Basics for Revansiddeshwar High school Students
- Vrukshathon Marathon-2018
- One Day Workshop on Basic Computer Skills(IT Training) for Government School Teachers
- Fund Collection and Donation to Pulwama Martyre (CRPF Personnel)

Criterion - IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area (Sq. metres)		-	BLDEACET	-
Class rooms	58	-	BLDEACET	-
Laboratories	39	-	BLDEACET	-
Seminar Halls	8	-	BLDEACET	-
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	-	-
Others	-	-	-	-

4.2 Computerization of administration and library

- Fully Digitized software is used for accounting, student's attendance, Internal Assessment Test and Attainment.
- Students can access Online Journals, Books through Software. The Library and Information Centre is the central facility in the college and is automated with NGL NewGen Library (version Core Engine Discover 3.2) library automation software. The entire collection of library books and E-Books is updated in the Database, and books are bar-coded for easy tracking and fast circulation.

4.3 Computer, Internet access, training to teachers and students and any other programme for technologyUpgradation (Networking, e-Governance etc.)

- Wi-Fi Campus Facilities for Students and Faculty Members.
- Online Alumni Portal.
- Training for Faculty Members and Students on Latest ICT Trends.
- Assessment Portal for Training & Placements.

4.4 Amount spent on maintenance in lakhs:

i) ICT	-
ii) Campus Infrastructure and facilities	91.21 lakhs
iii) Equipments	-
iv) Others	-
Total:	91.21 lakhs

Criterion - V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The institution has implemented various innovative processes in teaching and learning. At the beginning of every academic year, a student orientation program is conducted to introduce them to student support services like placement, training, Entrepreneurship Development Cell, extra-curricular and co-curricular activities. The institution encourages students to attend seminars, tutorials, and assignments to enhance their independent learning. Faculty members use various teaching tools such as role play, demonstration, models/charts/prototypes, and group discussions to promote collaborative learning and improve students' knowledge and skills.

The Placement & Training Cell organizes various training programs to enhance students' core competency and employability. The Entrepreneurship Development Cell organizes periodic meetings with industrialists, entrepreneurs, and chief executives of various concerns to improve students' entrepreneurship skills. The institution also has an Industry Institute Interaction program that builds a good relationship between the Industry and Institute for the welfare of the students by organizing guest lectures, seminars, workshops, conferences, industry visits, in-plant training, internships, and campus connect programs.

The library is equipped with various books, references, journals, and e-journals to supplement the students' learning and enrich their self-learning ability. The institution also has a student feedback system to obtain feedback from students about the effectiveness of faculty and facilities.

Internet facilities with Wi-Fi connectivity are available throughout the campus to support students in enhancing their knowledge with easy digital access. Additionally, student associations in each department organize various programs to widen students' exposure in their respective fields. The institution also provides student support services such as multi-disciplinary forums, association with professional bodies, alumni interactions, student forums/clubs, and a language laboratory.

5.2 Efforts made by the institution for tracking the progression

The institution follows a mentor-mentee system where each faculty is assigned a group of 20 students to monitor their progress closely. Internal assessment tests and assignments exams are conducted to track the progression of students. The institution regularly informs the parents of the students about their attendance and assessment test marks through letters. Parent-teacher meetings are conducted to convey the progress of the students and obtain their views on various issues. The institution conducts tutorial classes to improve the performance of students, where they solve additional problems and interact with each other. Various committees are formed to support the students' progress, such as the Student Welfare Committee and the Grievances and Redressal Cell. Department meetings are conducted every month to monitor the progress of the action plan.

Special classes are also conducted for slow learners to improve their performance.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2817	138	02	-

(b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
513	78	8	106	-	705	675	67	8	109	-	859

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Higher education cell organizes awareness program for the students to face competitive examination.
- Conducting technical discussion among the students by the subject expert members.
- Competitive exam training programmes are organised for students for both central and state government sectors.
- The Alumni are invited for interaction programmes to make the student as Industry ready candidates.
- Our central and department Library is equipped with competitive exam books for the students to succeed in all competitive exams.

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="01"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="01"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="01"/>

5.6 Details of student counselling and career guidance

Counselling services:

Academic: The institute provides regular counselling to the students to address issues relating to their academic shortfall and obstacles. The institute has a mentor scheme where a group of students are placed under the guidance of mentors (who are the members of the faculty). The mentors look after their academic requirements and make arrangements for remedial and tutorial classes.

Personal: The mentors perform regular interaction with the students placed under their mentorship at a one-to-one level. The students are encouraged to share their personal problem and a friendly environment is provided to make them comfortable for the same. The mentors maintain secrecy of any personal information and take necessary corrective steps in consultation with senior official staffs, thereby addressing personal problems.

Career: The institute encourages its students towards taking up higher studies and research. The following notable actions are taken.

1. Special Training for preparation in GATE Examination
2. Aptitude, soft skill and technical skill classes are arranged for the students apart from their normal classes through special scheduled classes.

Psycho-social: BLDE has understood that students having psychosocial disorders frequently have difficulty in coping up with social situations as this reflects in effective communication with others. The problems relating to social factors affecting student's mental health viz. peer pressure, parental support, cultural and religious background, socioeconomic status, and interpersonal relationships are addressed through their mentors.

A psychiatrist Dr. Choukimath, from BLDEA's B.M. Patil Medical Hospital is identified and his services are asked in severe cases. Workshop on Art of Counselling & stress management was conducted by computer science & engineering department.

No. of students benefitted

2850

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>	<i>Total Placed</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed	Number of students placed in 2017-2018
44	350	294	-	-

5.8 Details of gender sensitization programmes

- Awareness programs are organized on Gender sensitization.
- Activities are conducted through NSS unit of the college for gender sensitization.
- Ours' is a co-education Institute.
- Each year technical fests are conducted by each department where both girls and boys participate.
- Inter departmental sports are organized.
- Both boys and girls are made members of various academic, co-curricular and extracurricular activities.
- Sports Secretary and Cultural Secretary from girls are in Gymkhana Committee.
- Every year Women's' day is celebrated.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level

101

National level

-

International level

-

No. of students participated in cultural events

98

State/
University
level

05

National level

-

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount (in Lakhs) Rupees
Financial support from institution	-	-
Financial support from government (First Graduate)	1877	427
Financial support from Management (AICTE Tuition Fee waiver)	-	-
Financial support from government (BC/MBC Scholarship)	-	-
Financial support from government (SC/ST Tuition fees and scholarship)	-	-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-
Total	1877	363.22

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

- Free Health Check Up Camp
- Three Days training on Computer Basics for Revansiddeshwar High school Students
- Vrukshathon Marathon-2018
- One Day Workshop on Basic Computer Skills(IT Training) for Government School Teachers
- Fund Collection and Donation to Pulwama Martyre (CRPF Personnel)

5.13 Major grievances of students (if any) redressed:

NIL

Criterion - VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

To Emerge as a Widely Acknowledged Centre in Technical Education and Research to Cater The need of Society with a Futuristic outlook.

MISSION

1. To Enrich Students with the essence of science and engineering knowledge, Professional ethics and social values.
2. To instill creativity and Research Temperament to Reach the Greater Heights of Professional Success.

6.2 Does the Institution has a management Information System

Yes, the Institution has management Information System as follows:

- Student attendance, academic performance, Extra-curricular and co-curricular activities data and details are maintained in the ERP.

Areas of e governance	Name of the Vendor with contact details	Year of implementation
Administration/ Student Admission and Support	Contineo Software, E-Sutra Chronicles Pvt Ltd #953, SLN Plaza, 1st floor 21st main, 15th cross, BSK 2nd stage Bangalore-560070 http://www.bldea.contineo.in/index.php https://www.contineo.in/ Mallikarjun-9972933971	2016
Finance and Accounts	Tally, AIM Info Solutions, Coimbatore-641038 http://www.aiminfosolutions.in/ 5/4, Maniyam Marudhakutty Street, K.K.Pudur Post, Saibaba Colony, Coimbatore - 641 038. Tamilnadu, India. Phone : 0422-2457282 murthicbe@yahoo.co.in Sales / Service : support@aiminfosolutions.in	2009
Examination	Computer Network Centre (CNC) , VTU – Belagavi, Karnataka http://prexam.vtu.ac.in/	2016
	Mind logic Info solutions, VTU, Belagavi (Obsolete)	2010

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Our institution is affiliated to VTU, Belgavi. It abides by the changes in curriculum prescribed by the university.
- Value added courses are conducted during summer/winter vacation to bridge the gap between academia and industry.
- Training program on communication, personality development, problem solving etc.,

6.3.2 Teaching and Learning

Teaching plans are prepared for a semester. These get verified and checked at different stages in accordance with syllabus and scheme of examination given by VTU Belgaum. The teaching – learning process is facilitated through well qualified, trained and experienced faculty. Apart from class-room teaching, students are encouraged to use library and internet facilities as a part of self-learning. The teaching staff maintains academic diary and record daily instructions delivered, practicals conducted and other such activities performed. The effectiveness of teaching – learning process is reviewed on regular basis. The input for such review is from:

- Students feedback
- Results of internal tests
- Semester results

The teaching and learning process is reviewed by head of the department for the concerned teaching faculty and the feedback is communicated. The concerned faculty then plans for improvements which are monitored on a regular basis for their effectiveness. Academic coordinator will look after the reports sent by all the heads regarding following the lesson plan, feedback, who also look after the result analysis.

6.3.3 Examination and Evaluation

- College follows university norms for conducting internal examinations. Three internal examinations are conducted for each subject.
- Internal exam question papers are set based on Blooms taxonomy.
- Evaluation has been done according to key prepared.
- Internal marks are uploaded in university website and made transparent.
- End semester exams are conducted by the university on a common schedule.
- The answer scripts are sent to different zones and evaluated in central valuation
- Results are published by the university.
- The viewing the photocopy of the answer scripts and revaluation options are available.
- Double valuation /Challenge options are also provided.

6.3.4 Research and Development

1. Infrastructure facilities like well-equipped laboratory for student learning as well as for faculty research are made available. The equipment and consumables are purchased often, as and when required to strengthen research activities.
2. The library is also well equipped with required titles and volumes of text books, e journals, computer hardware and software for conducive learning.
3. Students and faculty members are sponsored for presentations in conferences hosted by other institutions both locally and outside. Most of the existing departments have obtained the status of research center which will help in establishing hard core research activities, supervising and awarding PhDs.
4. Special study leaves are sanctioned for those who are pursuing Ph.D. studies.
5. A separate budget is allocated for Research activities like technical Symposiums, Conferences, Seminars, Publishing Research articles in Journals etc.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- A well-furnished library with good volume of reference books, research & project thesis, national and international journals are available. Digital library is established to give access to E-journals, DELNET and NPTEL resources etc.
- 100 Mbps optical fibre/terrestrial internet facility is available.
- Internet labs and computer centres are available as per AICTE norms.
- LCD projectors, Desktops, printers, Internet switches, UPS, application software and systems software are available as per the requirement.
- The institution strongly advocates and encourages the use of ICT tools to enrich the learning experience of the students inside and outside the classroom. All classrooms, seminar halls and auditorium are ICT enabled.

6.3.6 Human Resource Management

The institute takes care of its human resources. Employees are given utmost importance and their needs are recognized well. The service rules are made transparent and they are benefited with PF, Gratuity, ESI etc. are provided. The faculty and staff are entitled with other benefits like CL, EL, ML, adequate vacation, etc. The salary is credited to the salary account of the employees in the first week of every month. The institution frequently arranges for training programmes in-house and also deputed to other organization for acquiring balanced skills (technical skills, teaching skills, soft skills etc.) from all dimensions. Every time equipment is purchased and installed, software is purchased and installed, the department arranges for a demo session by the supplier. The institute encourages quality improvement programmes and deputed faculty on leave for higher education.

The Institution has adopted a mandatory Self-Appraisal system as per the Performa given by BLDE Association. The form requires the teacher to give his/her self-evaluation of the academic, research, co-curricular and extracurricular work done during that year. It also requires the teacher to enumerate the papers presented at conferences, seminars, refresher courses and orientation programmes he/she has attended. The report to be filled in by each teacher is also evaluated and it analyses the duties performed with respect to lectures completed as per the teacher's planned lecture schedules, lectures taken. The principal appreciates during monthly staff meetings notable performance of any faculty member and then persuades the other faculty members to follow such best practices in the interest of the Institution and self-development. The evaluation of teaching faculty by the student through Student feedback mechanism has been adopted in our Institution which helps in self-evaluation and development.

6.3.7 Industry Interaction / Collaboration

The institution has an Institute Industry -Interaction cell. They promote industrial training for the students and for the faculty as well. Students are sent for internship programmes for a maximum of eight weeks to industries and universities for promoting collaboration. Hence, the institution creates a tie up and signs MOUs. Every academic year it is made sure that the students are taken for industrial visits. Both UG and PG students are motivated to undertake their end semester project in the relevant industries of their domain, thus exposing and preparing them to meet the real time requirement in the industry.

6.3.8 Admission of Students

1. Conduct science exhibitions for P.U. students.
2. Visit P.U. Colleges and present the salient features, placement details and fee concession schemes of our institute to the students.
3. Visit degree Colleges and present the salient features, placement details of our institute to the students. (M.C.A M.B.A)
4. Conduct one week training program for B.C.A students of various colleges.
5. Our institute has received AAA grade from Career360 which should be put in all advertisements.
6. Sending advertisements for S.K. Publications Best colleges in Karnataka. This issue has maximum readers.

6.4 Welfare schemes for

Following are the effective welfare measure taken for teaching and non-teaching staff of the institute.

- EPF
- Group Insurance
- Gratuity
- Concession in tuition fees for the employee children
- Leave as per BLDE Association Service rules
- Safe drinking water
- Clean environment
- Good lighting and ventilation and furniture at work place
- Computer with internet facility
- Safety measures in Laboratories where there are risks
- First Aid kits
- Canteen/Cafeteria facilities
- ESIC for non-teaching staff

6.5 Whether annual financial audit has been done Yes ☒ No ☐

6.6 Whether Academic and Administrative Audit (AAA) have been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	-	Yes	Academic Audit Committee
Administrative			Yes	Academic Audit Committee

6.7 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes ☐ No ☐

For PG Programmes Yes ☐ No ☐

6.8 What efforts are made by the University/ Autonomous College for Examination Reforms?

Not Applicable

6.9 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.10 Activities and support from the Alumni Association

- Every year the meeting of alumni is called by different departments and valuable suggestions are collected and discussed.
- Special meeting is also arranged for a range of batches of alumni, as per the demand of alumni.
- The institute is in touch with all the alumni through social network site such as Facebook,Whatsapp etc.
- Alumni's are invited as Chief guest during Annual gathering and Fresher's Day celebration to present their experience.
- They are also invited as guest lecturers from all departments regularly.

6.11 Activities and support from the Parent – Teacher Association

- Parents meeting are convened for discussing the performance of the institution. The meeting is held once in a semester
- The academic performance of the students, placement performance, student achievements and other achievements of the institution are disseminated. Difficulties faced by the parents are discussed during the course of the meeting
- At the end of the meeting, parent feedback is obtained to get suggestions on the infrastructure, performance and quality of the institution.

6.12 Development programmes for support staff

- Skill Development programs are conducted for the supporting staff.
- Support staff are encouraged to attend training workshops.

6.13 Initiatives taken by the institution to make the campus eco-friendly

- Energy Conservation
- Check dam construction
- E-waste management
- Hazardous waste Management
- Efforts of carbon Neutrality
- Campus is tobacco free
- Dust bins are placed at number of places
- Regular cleaning of toilets is practiced.
- Rain water harvesting system exists in the campus
- Plantation is done and it makes the campus green covered.

Criterion - VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution.

The details of innovations introduced during the last four years are as stated below

1. Continuous Academic Monitoring.
2. Promotion of R & D activities (from institute/ association)
3. Fee-Waiver scheme (Scholarship)
4. Merit Incentives for staff
5. Study leave for staff pursuing M-tech/ Ph.D.
6. Appreciation letters to best performing staff.
7. Outcome Based Education (OBE) implemented.

7.2 Give two Best Practices of the institution

1. Outcome Based Education (OBE) for Effective Teaching-Learning
2. Merit Incentives for staff and students

**Details of the best practices is attached in the Annexure*

7.3 Whether environmental audit was conducted? Yes

☐

No

☒

7.4 Any other relevant information the institution wishes to add. (For example SWOT Analysis)

Strength

- One among the renowned engineering colleges in Upper North Karnataka
- All faculty members are post graduates in engineering (ME/M.Tech.) or M. Sc. (with M.Phil.) in Science & Humanities
- Department laboratories are equipped with state of the art equipment
- Good working atmosphere amongst the teaching and non teaching staff.
- Decent relationship with the industry and other professional bodies
- Better management system since other than the Principal there are individuals who are responsible for Placements, Admissions, R&D Activities and Academic Activities
- Excellent hostel facilities for boys and girls
- The Civil, Mechanical, Computer Science & Engineering, Electrical & Electronics, Chemistry and Mathematics departments have been recognized as research centers by the Visvesvaraya

Technological University (VTU) Belagavi.

- Excellent sports and gymnasium facilities for students
- Research fund setup by management for research activities
- Well established library with online access to journals and learning resources.
- Excellent support by the management for students excelling in academics, sports and cultural activities
- Usage of ICT tools in curriculum delivery
- Encouragement for student initiatives
- Student feedback system, faculty appraisal and reward system
- NBA accredited programs and implementation of OBE (Outcome Based Education) system
- Centers of Excellence have been established in emerging areas to facilitate student training
- Incubation Centre

Weakness

- Lack of big industries in the vicinity of the institute
- Connectivity by rail and air
- Industry-institution interactions
- Average/Poor Placement activities
- Lack of Quality input for UG and PG programs
- Lack of academic autonomy
- Research and consultancy activities
- Recruitment of senior faculty in cutting edge disciplines
- Health care measures
- Campus-wide network (Wi-Fi)
- Low key marketing strategies to build brand image
- Research funding from external agencies

Opportunities

- Starting new cutting edge post graduate programs
- Enhance research activities through sponsored R&D projects
- Establishing the centre of excellence in emerging areas
- Possible to change the curriculum as and when required by getting Autonomous status
- Networking with premier institutes & Industry for advanced, applied research & academic interaction through MOUs
- Catering to all sections of the society
- Establishing a continuing education cell
- Modern space creation

- Alumni Networking for Academic and placement activities
- Attracting meritorious faculty members from premier institutions

Threats

- Increased availability of other attractive employment opportunities especially in the IT and communications industry will cause bright minds to select other career options.
- Similar sub-standard courses started by other institutions that risk creating confusion and reduce the standard of education
- Possibility of declining quality of students admitted because of the extremely large number of institutions that are being setup
- Stiff competition from the domestic and foreign universities
- Uncertainties in industry manpower requirements due to recession
- Difficulty in retaining experienced faculty and technical staff.

8. Plan of Action Next Year-

Getting NBA Accreditation for all the programs.

Name and Signature of IQAC Coordinator

Name and Signature of Chairperson, IQAC

Annexure – I

Best Practice-I

1. Title of the Practice

The title should capture the keywords that describe the Practice.

“Outcome Based Education (OBE) for Effective Teaching-Learning”.

2. Goal

Describe the aim of the practice followed by the institution. Mention the underlying principles or concepts in about 100 words.

The aim of implementing OBE is to improve teaching-learning process thereby improving performance/ success rate of students. The underlying principle of OBE is “Keep end result in mind”. The OBE principle helps in defining objectives and outcomes of the course/ programme. After defining the objectives and outcomes, effective teaching methodologies are utilized to deliver the curriculum content. The OBE principle is students centric & not teaching centric. Teaching staff will make efforts to achieve the intended outcomes. The OBE is being implemented in our institute since 2007.

3. The Context

Describe any particular contextual features or challenging issues that have had to be addressed in designing and implementing the Practice in about 150 words.

Creating awareness about OBE among staff and students was a challenging job for the institute management. Changing the mindset of staff and students, shifting from current practices to entirely new concept was another hurdle.

To overcome the above challenges, the designated co-ordinators organized workshops/ seminars on OBE for both staff and students. Invited guest lectures were organized to address the staff and students and to create awareness about OBE.

Writing course objectives and outcomes was another challenge. Workshops were organized on “How to write course objectives and outcomes”.

A seminar on Blooms Taxonomy was also organized for the benefit of faculty members.

4. The Practice

Describe the Practice and its implementation in about 400 words. Include anything about this practice that may be unique in the Indian higher education. Please also identify constraints or limitations, if any.

- Defining course objectives and outcomes, unit wise in line with Blooms Taxonomy.
- Preparing lesson plan, methods of content delivery.
- Identifying gaps in curriculum to achieve defined outcomes.
- Conducting IA tests assignments, tutorials in line with defined outcomes.
- Assessment and evaluation of outcomes.

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks and review results. What do these results indicate? Describe in about 200 words.

- Improvements in results. (example for the department of civil engineering success rate of students admitted in the year 2010-11 and passed out in 2013-14, was 67% and it increased to 81.5% for students admitted in the year 2012-13 and passed out in 2015-16. (Refer-5.2.2).
- Improvements in quality of projects getting KSCST grants.

- Improved teaching learning process.
- Improvement in Placements
- Improved quality of students (CET-ranks)

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources (Financial, Human and other) required to implement the practice in about 150 words.

Problems encountered:

- Lack of awareness among staff and students about the concepts of OBE.
- Changing the mindset of staff and students to align with OBE concepts.
- Defining course objectives and outcomes.
- Process of assessing and evaluating the course outcomes.
- Availability of OBE experts at institute.

7. Notes (Optional)

Any other information that may be relevant and important to the reader for adopting/ implementing the Best Practice in their institution (about 150 words).

OBE is one of the best quality tool to implement in institutes of higher education to improve the performance of students. If OBE is implemented rigorously, intended outcomes are definitely achieved.

8. Contact Details

Name of the Principal : Dr. V.P. Huggi
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Mobile: 9845728646

Best Practice-II

1. Title of the Practice

The title should capture the keywords that describe the Practice.

“Merit Incentives for staff and students”.

2. Goal

Describe the aim of the practice followed by the institution. Mention the underlying principles or concepts in about 100 words.

The aim of this practice is to motivate enthusiastic staff and meritorious students. The institute in consultation with BLDEA management has implemented merit incentives schemes to motivate staff and students. The incentives are performance based. The performance may be w.r.t academics, research, publications etc.

3. The Context

Describe any particular contextual features or challenging issues that have had to be addressed in designing and implementing the Practice in about 150 words.

- Major hurdle to implement merit incentives schemes was convincing the BLDEA management. Benefits and financial implications of implementing merit incentives schemes were explained to the BLDEA management.
- Identifying the categories of scheme itself was another challenge. In consultation with members of BOG and other experts it was decided to provide merit incentives as stated below

For staff

- Paper publications in peer reviewed journals.
- Research grants.
- Presenting paper at reputed conferences.
- Publishing a Book/ Monogram/ Chapter in a Book.
- National/ State level awardees.

For students

- Class toppers and university rank holders.
- Fee Waiver schemes.
- Formulating the criteria / parameters to identify students and staff was yet another challenge. A team of experts was constituted to formulate the criteria.

4. The Practice

Describe the Practice and its implementation in about 400 words. Include anything about this practice that may be unique in the Indian higher education. Please also identify constraints or limitations, if any.

- Circular is sent to all the departments seeking information on paper publications, research grants, any other achievements of staff and students.
- A team is constituted to scrutinize the applications.
- A list is prepared based on the defined criteria in various categories
- Incentive list is sent to the management for approval.
- Incentives are distributed in Annual gathering.

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks and review results. What do these results indicate? Describe in about 200 words.

- Increased number in quality publications.
- Increase in number of research grants fetched.
- Increase in Book publications.
- Increase in number of FDPs/ STTPs organized (funded by external agencies).
- Rise in number of research proposals submitted to various funding agencies.
- Increase in number of faculty with Ph.D. qualifications.

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources (Financial, Human and other) required to implement the practice in about 150 words.

Problems encountered:

- Convincing BLDEA management and taking approval.
- Taking approval from BLDEA management on financial budget.
- Experts to identify the categories, parameters or criteria of incentive schemes.
- Motivating staff and students.

7. Notes (Optional)

Any other information that may be relevant and important to the reader for adopting/ implementing the Best Practice in their institution (about 150 words).

Providing merit incentives to staff and students is another best practice that institute has implemented. This practice not only motivates staff and students but also creates best culture in the institute.

8. Contact Details

Name of the Principal : Dr. V.P. Huggi

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