



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		HKBK COLLEGE OF ENGINEERING
Name of the head of the Institution		Dr. M S Bhagyashekar
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		080-25441722
Mobile no.		8971079936
Registered Email		principal@hkbk.edu.in
Alternate Email		director@hkbk.edu.in
Address		#22/1 Nagwara
City/Town		Bangalore
State/UT		Karnataka
Pincode		560045
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Prof. Hussain Ahmed
Phone no/Alternate Phone no.	08025441722
Mobile no.	9880716564
Registered Email	hussainahmed.ec@hkbk.edu.in
Alternate Email	hussainahmedsaleh@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://hkbk.edu.in/backend/backend/18-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://hkbk.edu.in/backend/backend/CoE%20of%20the%20EVEN%20Semester%20B.E%20019.20.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B	2.07	2017	09-Jun-2017	08-Jun-2022

6. Date of Establishment of IQAC

03-Aug-2015

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
FDP on MS office	17-Aug-2019 3	35

Research Methodology	26-Oct-2019 1	41
5 Days FDP on	06-Feb-2020 5	37
IPR Significance in Business and Research	31-Jan-2020 1	108
Students specific support and self appraisal workshop for teaching learning process (TLP)	27-Aug-2020 3	60
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

3

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Switched over to online teaching learning process due to the advent of the pandemic 2. Prepared IIQA and SSR and applied for improvement of the grade to NAAC 3. More MOUs were signed 4. Got ECE department accredited by NBA 5. Faculty and students were urged to take up NPTEL courses

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Reassessment of NAAC	Prepared IIQA and SSR and applied for improvement of the grade to NAAC
NBA Accreditation	ECE Department accredited
Certification Courses	Many Faculty and students did NPTEL courses
Teaching Learning process	Successfully implemented online teaching modules after the advent of pandaemic
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Council	25-Mar-2022

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

20-Jan-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

1.Admissions 2.VTU Examination 3. Learning Management System 4. Human Resource Management

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

HKBK College of Engineering affiliated to VTU and follows the University curricula. The college process ensures that the curriculum delivery processes systems are effectively conceived, structured, designed and implemented to give

enabling experience of quality academics, research and building competence in personal and professional achievements of the students. Based on the University Academic calendar, the Institute prepares its own Academic Calendar well in advance before the start of the semester, considering Govt./University holidays. It includes specific dates for conduction of three theory Internal Assessments (IA), lab IA, co-curricular & extra-curricular activities etc. The respective departments prepare the department Time Table to accommodate theory, tutorial and laboratory courses. Subjects are allotted to the faculty members for the forthcoming semester immediately after the end of the previous semester considering the preference given by the faculty. The course files consisting of timetable, calendar of events, lesson plan, assignments, question bank, previous year question papers are prepared and maintained by the faculty. In addition to traditional teaching-learning methodologies, the faculty members adopt group discussions, relevant videos, seminars, mini projects, case studies, PPTs, real time examples, simulations, Quizzes, depending on the course and the situation to create the best learning environment for the students. Students are allowed to do the final year projects and internships in industries, to provide them hands on experience and exposure to the industries. Class committee meeting are held periodically to discuss the Syllabus coverage and attendance of the students .Student class representatives can express their difficulties in the academic and administrative issues. Performance of the students in laboratory experiments is timely assessed and graded according to the performance. Class tests are conducted during the semester in their respective subjects and some percentage of these marks is added along with Internal Assessment Marks. Slow learners are identified after Internal Assessment and remedial classes are conducted to improve their performance. Remedial classes focus course activities that help them to acquire and retain skills for longer time. Fast learners are encouraged to develop mini projects in their areas of interest. Bridge Courses are planned and conducted for the second year students and diploma students to help them to understand the basic concepts of Mathematics and technical concepts. At the end of every semester course exit feedback is taken from the students and analyzed to take corrective measures in teaching learning methods. The Curriculum delivery is planned and delivered to attain the Course Outcomes (COs). Curriculum gaps are identified and Guest lectures, SDP, Workshops are regularly arranged to bridge the gap.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Certificate course on Software Engineering	Nil	01/07/2019	72	Employability	Skill development
Certificate course on The Joy of Computing using PYTHON	Nil	01/07/2019	72	Employability	Skill development
Certificate course on Data base Management System	Nil	01/07/2019	48	Employability	Skill development

Certificate course on PYTHON for data science	Nil	01/08/2019	24	Employability	Skill development
Certificate course on Introduction to Machine Learning	Nil	01/07/2019	48	Employability	Skill development
Certificate course on Data Science for Engineers	Nil	01/07/2019	48	Employability	Skill development
Certification course NoSQL using a.w.s	Nil	14/10/2019	4	Employability	MangoDB with EC2 (45)
Workshop on IC Engines(Hands on Experience)	Nil	03/10/2019	10	Employability	Overhauling of IC Engines.
Certificate course on Ethical Hacking	Nil	01/07/2019	72	Employability	Skill development
Certificate course on Introduction to Programming in C	Nil	01/07/2019	48	Employability	Skill development
Certificate course on Cloud Computing	Nil	01/08/2019	48	Employability	Skill development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Mechanical Engineering	01/08/2019
BE	Information Science and Engineering	01/08/2019
BE	Electrical and Electronics Engineering	01/08/2019
BE	Electronics and	01/08/2019

	Communication Engineering	
BE	Computer Science and Engineering	01/08/2019
BE	Civil Engineering	01/08/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Science and Engineering	01/08/2019
BE	Information Science and Engineering	01/08/2019
BE	Electronics and Communication Engineering	01/08/2019
BE	Electrical and Electronics Engineering	01/08/2019
BE	Mechanical Engineering	01/08/2019
BE	Civil Engineering	01/08/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	144	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Robotics Process Automation	06/02/2020	30
Machine Learning with Python	20/10/2019	64
ISE- Placement Activity	01/07/2020	71
ISE- Dynamic Web Design using PHP	01/07/2019	40
Computer Networks Applications(19th - 22nd August 2019)	19/08/2019	50
Industrial Automation, PLC, SCADA and HMI	12/03/2020	116
EIGHTEEN DAYS VALUE ADDED SOFT SKILL TRAINING ON PTC CREO SOFTWARE	14/01/2020	25
Mechanistic modelling of amended soils using various geotechnical simulation tools	10/09/2019	53

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Science and Engineering	219
BE	Civil Engineering	47
BE	Information Science Engineering	97
BE	Electronic Communication and Engineering	339
BE	Mechanical Engineering	96
BE	Electrical and Electronic Engineering	28
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained
<p>The institute has collected feedbacks from students, faculties, parents, alumni and employer to facilitate for the better improvement of the infrastructure, curriculum and course delivery process. The ultimate goal of feedback is to help for students development. Different areas of concern were discussed with the respective Committees/Departments for future developments. The proposals presented by the various committees and departments were discussed in the Academic Governing Council of the institute in order to determine the necessary actions to be taken in the near future. Along with all of this, the institutes strengths are taken into account for additional consideration. The students feedback has been collected and analysed in order to improve the quality of the Teaching-Learning Methodology and the achievement of the Course Objective Process. This feedback discusses the parameters of punctuality and regularity in class, as well as the completion of syllabus in the allotted time and at the appropriate pace. The institute cares about its students and is willing to assist and advise them at any time they approach it. The Alumni Survey is collected as part of the feedback mechanism to better understand the programs outcome and efficiency. This section also addresses the level of meeting expectations, advancement in career after graduation, impact of training, motivation at Institute, impact of training on personality, maturity, Social Skills, ability to make decisions, ability to manage finances, and presentation skills. The Parent's Survey is used to learn about the wards interests and expectations from the institute. The feedback from the parents is extremely beneficial to the Institute in reorganising the administration, accommodation, and general atmosphere, as well as skill development, suitability of the</p>

courses for career growth, and overall development of the ward. The feedback from recruiting firms provides valuable information for organising employability and skill-oriented activities. This feedback will be discussed further with the training and placement cell. The feedback form includes parameters such as the students strength in engineering knowledge, ethics, individual and team work, communication, project management, finance, and lifelong learning, as well as modern tool usage. Course exit feedback and programme exit feedback are used to assess students comprehension abilities. At the end of the programme, feedback on the infrastructural facilities is collected from final year students in order to improve the lab facilities, if any. The collected feedback is analysed for future enhancements.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	CSE	180	200	180
BE	ISE	120	130	120
BE	ECE	180	100	88
BE	CV	120	100	28
BE	ME	180	45	30
MBA	MBA	60	20	16
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1936	37	143	4	1

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
148	148	8	41	0	6

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

A group of 15 to 20 students are assigned to each faculty member. In the preliminary meeting, the mentors meet the students and assess the strengths and weaknesses of the students. They suggest how to approach the engineering program and how it will be different from plus two/ Pre University level. They advice the students to focus on their studies for the next 4 years and also educate them the different avenues available after the

completion of the program. The mentor introduces the department faculty so that the mentee could easily interact with the faculty members. The mentor normally meets thrice in a semester and records the mentees performance. Also the mentor makes an attempt to identify any academic/ non-academic issues the mentee may be facing. Based on his performance and his feedback from the staff handling the first semester is categorized as a fast learner or a slow learner. Through one to one interaction mentor advises the student to work on his strengths and participate in experiential learning, seminars, mini projects, paper presentation and poster presentation competitions. Mentor advises them to improve their skills and strive to develop their raw talent. Mentors inform the students about various opportunities that college provides to enhance their skills apart from regular classes. The students are provided an opportunity to participate in co-curricular, extracurricular and cultural programs to improve their skills. For slow learners. Mentors impress upon the students the need to participate in these activities so that they can realize their potential fully. The students are also advised to participate in sports, social and cultural activities so that mentee develops overall skills and also gets social awareness. The mentor encourages the student to participate in any one of the above cited events apart from his/her regular class work. The slow learners are identified and after discussing with their respective course teachers remedial measures are suggested to help improve the performance of the students. Sometimes the mentor arranges for remedial class by requesting the concerned faculty handling the course. If the student has been missing classes frequently his parents are contacted, both the student and the parent are counseled by mentor, class teacher and Head of the Department. If no perceptible change is observed, the student is referred to student counselor for further counseling. The student counselor counsels the student along with the parent and identifies the weakness of the student and addresses his/her concerns and advises the student / parent. this exercise builds the confidence of student. For fast learners mentors advise them to do mini projects and to participate in cultural and literary activities. They are advised to think out of the box and also to strive for better academic performances.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1936	143	1:14

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
161	148	13	19	18

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
Nil	nil	Nil	Nil
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	BE	1 Semester	25/01/2020	18/06/2020
BE	BE	3 Semester	09/01/2020	18/06/2020
BE	BE	5 Semester	06/01/2020	17/06/2020
BE	BE	7 Semester	01/01/2020	09/06/2020

BE	BE	2 Semester	31/07/2020	05/05/2021
BE	BE	4 Semester	31/07/2020	01/05/2021
BE	BE	6 Semester	31/07/2020	21/04/2021
BE	BE	8 Semester	26/08/2020	15/12/2020
MBA	MBA	3 Semester	11/11/2020	24/02/2021
MBA	MBA	4 Semester	11/09/2020	20/01/2021
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

1st 2nd 3rd year and 4th year followed CBCS scheme under VTU. For 4th and 3rd year the IA marks weightage was reduced to 20 with 5 marks earmarked for CIE. Three IA tests were conducted with maximum of 15 marks for each IA test and the average of 2 best performances was taken. Apart from IA test 2 class tests/Assignments/Activity Based Learning was conducted and evaluated for 5 marks. For 1st and 2nd, the IA marks weightage was increased to 40 with 10 marks earmarked for activity. Three tests were made compulsory and average of all 3 plus the marks scored in activity-based learning was declared as final CIE marks. Two question papers were framed for each course and after the Head of the Department / Department CIE coordinator scrutinizes the question papers. The IA test coordination committee selects one of the two question papers and issues them for the test. The staff members write the scheme of evaluation for the issued question paper and correction of blue books is done based on the scheme of evaluation. In March the COVID-19 pandemic forced the faculty to adopt blended mode of learning and conducted II and III IA test online to facilitate the process Zoom platform was used.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

- The institution follows the curriculum prescribed by the affiliating University, VTU.
- At the beginning of each semester the Academic Council (AC) prepares the COE aligned with the COE rolled out by the affiliating university.
- The time table for the class work is prepared by the respective Departments as per the COE and AC monitors all academic activities.
- Internal assessments tests as planned in the COE are conducted by one of the Department on rotation basis under the centralized supervision of the principal.
- In case of any exigency and need to deviate from the planned event as per the modified COE of the university then the principal at his own behest or at the request of any of the HODs convince the AC meeting to review and seeks the approval of the AC the date of conduction of any of the events
- course files are maintained by each faculty for their respective courses and are reviewed periodically by HOD.
- The periodic meetings of Class Teachers, Class representatives, Course Coordinators and HOD, PTMs help in taking suitable measures for the effective implementation of the academic process.
- Question Bank, handouts, videos, recorded lectures, YouTube Channel, notes, NPTEL materials, PPTs of various courses are provided by the faculty to enable the student to understand the concepts clearly.
- Manuals for each lab are prepared and updated periodically by respective Lab incharge
- IA tests are conducted strictly as per the guidelines of VTU. After the test, the blue books are evaluated by the concerned faculty based on scheme of evaluation. Students are given an opportunity to see the books as well as the scheme of evaluation and seek clarifications and modification in their score.
- In March the covid pandemic forced the faculty to adopt blended mode of learning, hence the 2nd and 3rd IA test were conducted online. To facilitate online teaching learning process zoom and google meet platforms were used.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://hkbk.edu.in/courses/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
BE	BE	CSE	133	121	91
BE	BE	ISE	70	68	97
BE	BE	ECE	94	88	93.6
BE	BE	CV	63	52	82.5
BE	BE	ME	96	87	90.63
BE	BE	EEE	30	20	67
MBA	MBA	MBA	17	17	100

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://hkbk.edu.in/backend/backend/Satisfaction%20Survey%20Analysis%20-19-20.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	Nil	AQIS (AICTE Quality Improvement Scheme)	260000	260000

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
FDP on Research Methodology	Civil Engineering	26/11/2019
Knowledge to Wealth: Intellectual Property and Technology Licensing	Electronics Communications Engineering	13/09/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NIL	Nil	Nil	Nil	Nil
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	Nil	Nil	Nil	Nil	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
NIL	Nil

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Civil Engineering	1	0.1
International	Civil Engineering	4	1
International	Mathematics	2	0.1
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electronics and Communication	6
Civil	1
Mathematics	2
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A Two-Stage Mutation Stochastic Model of Carcinogenesis Driven by a Two	S.Sreela kshmi	International Journal of Mathematical, Engineering and Management Sciences	2020	0	HKBK College of Engineering	0

Level Random Environment						
Evaluation of Sequential Extraction Procedure (SEP) to Validate Binding Mechanisms in Soils and Soil-Nano-Calcium Silicate (SNCS) Mixtures	Dr. Syed Abu Sayeed Mohammed and Sanaulla P F	Indian Geotechnical Journal	2020	0	HKBK College of Engineering	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A Two-Stage Mutation Stochastic Model of Carcinogenesis Driven by a Two Level Random Environment	S.Sreelakshmi	International Journal of Mathematical, Engineering and Management Sciences	2020	0	0	HKBK College of Engineering
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	4	1	0	0
Attended/Seminars/Workshops	0	85	0	0
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities

Free food camp during Lock down	HKBKCE-NSS	6	1000
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NIL	Nil	Nil	Nil
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
'Psycho-social Wellbeing of Youth and Gender Sensitization	-Dr. Jonas Richard A-HRD Professional	Seminar on 26-02-2020	25	400
Universal Human Values -UHV	Dept of CSE - HKBK CE	Seminar on 26-10-2019	10	400
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
IICDC- India Innovation Challenged Design Contest 2019	Arpitha N, Ayesha Sharief, Monish M Gowda, Bopanna N S, Anto Vivek	Self	3
TCS Tech Bytes Quiz Competition 08-03-2019	Mr. Abubaker and Mr. Ubair	Self	3
Indian Technology -Innovation Entrepreneurship conclave (I-TEC) on 3-4th January 2020	Dr. S.A.S. Mohammed, Head, Dept. of Civil Engineering presented a research proposal	Self	2
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab	Duration From	Duration To	Participant

		with contact details			
Internship	Internship	Biztime IT Solutions Pvt Ltd.	19/07/2019	30/08/2019	39
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
BHEL Malleswaram, Bengaluru	26/09/2019	Industrial visit	32
BHEL Mysuru Road	26/08/2019	Industrial Visit	35
MCF - ISRO - Hassan	16/09/2019	Industrial Visit	55
Dell Industries	16/09/2019	Industrial Visit	30
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
272	248

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIB SOFT	Fully	9.5	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	48890	14493595	Nill	Nill	48890
Reference Books	7441	2224766	Nill	Nill	7441	2224766
e-Books	18900	1282750	21113	767000	40013	2049750
e-Journals	19950	1282750	7400	767000	27350	2049750
CD & Video	3160	Nill	Nill	Nill	3160	Nill
Library Automation	2	72000	Nill	Nill	2	72000
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Loganathan R	Module 1 to 5	Moodle	31/07/2019
Prof. Asghar Pasha	Machine Learning	Google classroom OPTRA	18/09/2019
Prof. Sharavana	Big Data Analytics	Google classroom	20/03/2020
Prof. Farnaz khatoon	Software Architectur	OPTRA	03/08/2019
Prof. Ramya K M	Module 1 to 5	Moodle	07/02/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	604	22	100	1	1	1	16	100	0
Added	10	0	0	0	0	0	0	0	0
Total	614	22	100	1	1	1	16	100	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
--	--

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
870	791	206	188

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The various support facilities of the institution have a structured system to facilitate maintaining and utilizing the facilities available. The maintenance department maintains both physical and academic support facilities. Location supervisors are appointed for reporting their observations on electrical, plumbing, housekeeping and other related issues/complaints across the campus to the maintenance manager. Each location supervisor will maintain logbooks for the same. Transportation is provided both for faculties and students at nominal cost. Transport supervisor has to address and rectify any transport related issues. The security of the institute is taken care off by in house security guards from an external private agency. They work round the clock in two shifts. General medical practitioner visits the college regularly and is at call 24/7. Hence any sort of medical emergency can be immediately addressed.

Cost of maintenance is allocated in the annual budget. Classroom facility Maintenance: The facility management team checks the readiness of the classrooms and labs at the beginning and during each semester. Inspection and maintenance of the furniture's and other classroom equipment is carried out on a regular basis. IT Maintenance: The institution has setup an IT help desk for issues like hardware trouble shooting, software installation, maintaining biometric devices and network related issues, all IT related issues are monitored and maintained by this setup. Sports facility Maintenance: Physical education department maintains all sports facilities of the institution. Regular maintenance of the play area, sports equipment's is done under the supervision of Physical education director. The gym instructor upgrades and maintains the gym equipment's. Library maintenance: The maintenance of the Library is taken care of by the library staff, books returned by faculties and students are placed back in their allotted places. Log is maintained in both borrowing section and reference section. Reference books referred by students/faculties are to be kept on table after referring, these will be kept in their respective places by the assistant librarian. Cleaning and maintenance is done regularly. All staff and students are library members. Students should renew their library card at the start of every odd semester. Each student member is entitled to borrow 4 books special case students borrow additional 02 books and first 5 toppers student's in the class borrow 01 extra book. Staff can borrow books depending upon their designation. Reference books cannot be taken out. In case of lost or damaged books, member shall replace the book or pay double the cost of the book. Laboratory Maintenance: Preventive and breakdown maintenance of all laboratories is carried out in-house, or out-sourced as per the requirement, this is done at the starting of each semester. Planning of laboratory maintenance and consumable budget is done by the department one month prior to the start of the semester further forwarded to the principal for approval. Laboratories are spacious and clean. Necessary basic softwares are installed. First-aid box, fire extinguisher, hand gloves, welding goggles are provided for the required laboratories.

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management	406	12829000
Financial Support from Other Sources			
a) National	SC/ST ,State Government (OBC) Minorities (EPass) and Defence	242	5816375
b) International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Women Hackathon	25/02/2020	70	Cipher Hackthon for women
soft skill and aptitude	26/02/2020	70	HKBKCE
Induction Program	05/08/2019	200	HKBKCE
Replacement, Soft-skill, Aptitude Program	13/08/2019	98	Step up learning solution
Soft Skill Aptitude and Technical Training	13/08/2019	360	HKBKCE
Hiremee assessment	12/09/2019	234	Hiremee Bangalore
Constitution day	26/11/2019	134	HKBKCE
Swami Vivekananda Jayanthi	13/01/2020	140	HKBKCE
World Cancer Day	07/02/2020	200	HKBKCE
InfytQ certification program	14/02/2020	92	Rohan M Business development Manager, Karnataka
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive	Number of benefited students by career	Number of students who have passed in the comp. exam	Number of students placed

		examination	counseling activities		
2019	Digital Skills Program	75	75	0	0
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Nuchange Informatics	71	1	CRMIT Solutions	63	4
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	UG	CIVIL	TONGJI UNIVERSITY, SHANGHAI, CHINA	MS
2019	3	UG	ISE	VANCOUVER UNIVERSITY IN CANADA, BMSIT, Atria Institute of Technology	MS, M.Tech(2)
2019	2	UG	ECE	Presidency University	M.Tech(2)
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
GRE	1
Any Other	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
----------	-------	------------------------

Sports - All Game (11)	Institution	343
Inter Collegiate Sports - All Games (9)	State Level - Inter College	53
Kannada Rajotsava Day	Institution	67
Gandhi Jayanthi	Institution	127
Independence Day	Institution	105
Republic Day	Institution	127
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	NA	National	Nil	Nil	Nil	NA
2020	NA	National	Nil	Nil	Nil	NA
No file uploaded.						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Activity of Student Council representation of students on academic administrative bodies/committees of the institution : Students Council: College has the Students Council to facilitate students in various ways. This council organizes Cultural, Sports and Competitions for the students. This Council acts as bridge between the Academic, Management and Students. Students Council organizes NSS Programs, Social welfare programs regularly. Students are representing many academic and administrative bodies/committees in the institution. 1. Students Counselling / Welfare Committee: This Committee is headed by DR. Sanaula P.F, HOD Chemistry, Chairman, looks after the welfare of students and in the need of time, it also helps the students in counselling for their studies, psychological problems. Students are also part of this committee such that students bring their problems and solve it amicably. 2. College Internal Compliance Committee/Women welfare Committee: This committee is headed by Prof. Khallikunnaisa, Associate Professor, CSE, Chairperson and DR. Suraiya Tarannum-EC, Prof. Tajuddin Yezdani-ME, Mrs. Yasmeen Zia staff members, Non Teaching, Mr. Vinay A.L.- Student Counsellor and girl Students representatives. This committee meets at least 3 times in a semester to discuss various problems faced by girl students. 3. Grievance Redressal Cell: This committee is headed by Mr. Manzoor Ahmed, Secretary, HKBK Group of Institutions. Students problems in terms of the tuition fees, Discontinue of education, Academic problems faced by students are addressed. 4. Hostel Committee : This Committee is headed by Principal and member secretary as Hostel Warden Dr. Arshad Pasha. This committee monitors the functioning of the hostel and suggest measures for the welfare of the inmates. It proposes measures for the development and upkeep of the hostels. 5. Programme Assessment Committee: (PAC) Every department has this PAC committee. This committee consists of members from students, alumni, Industry and staff. It reviews the attainment of COs, POs, PEOs and suggest the refinement of any of these based on the attainment. This committee will identify the curriculum gaps and suggest measures to bridge the gap between the institution and Industry. It also suggests or advises the institution measures to be undertaken to improve the employability of the outgoing students. It gives suggestions to implement comprehensive, organized and sustained process

to assess student achievement of institutional, program and course-level learning outcomes. 6. Anti-ragging Committee This Committee which consists of Principal, HODs, Warden and Students. It publicizes the recommendations of Supreme Court on ragging in college campus and Hostels. It also initiates disciplinary action against offenders with due regard to norms of discipline, humanity and decency which acts as a deterrent against recurrence of such incidents. 7. Magazine / Editorial Committee: Students in this committee contribute to bring out college magazine called " Quest" which is published every year. Students will communicate with other students and receive articles and write-ups for the magazine. 8. Sports NSS Committee: This committee is headed by Physical Director. NSS Activities such as Swachh Bharat, Drug Awareness, Blood donation Camp, International Yoga Day celebration etc are organized by the students for the students. 9. Alumni Association®: Prof. Hussain

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

HKBK College of Engineering Alumni Association is registered on 26-06-2010 and the registration Number is SOR/BLU/DR/338/2010-11. The HKBKCE Alumni Association has the composition of Chief Advisor as Prof. Hussain Ahmed, Head Of the Department, Electronics and Communication Engineering (ECE), Vice President as Prof. Syeda Husna Mohammedi, Assistant Professor, ECE, Treasurer as Prof. Abdul Saleem, Assistant Professor, ECE, Joint Secretary as Prof. Salim Sheriff, Assistant Professor, Mechanical Engineering and Executive Members as all HKBKCE staff who are alumnus of the college. College organizes a centralized Alumni meet every year. Students from various departments like Computer Science and Engineering, Information Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Civil Engineering, Mechanical Engineering and MBA participate in the alumni meet. The Alumni meet was conducted on 25/01/2020. There were 120 students attended the alumni meeting. One of the Alumni is invited as Chief Guest and he/she will be felicitated on that day. Alumni students who contributed for the department in terms of guest lectures, training to students, conducting courses were appreciated and given memento to recognize their contribution. The alumni students help the institution by recommending industries and other agencies in getting placements for the institution. In the alumni meeting, college Vision, Mission, Programme Outcome, Programme Specific Outcome, Course Outcome were discussed. Program and Course gap were discussed. Alumni students were giving the details about how to fill these gaps. Alumni also donate their valuable time to offer career support to current students. This enhances the students' experience and give them that competitive edge in today's tough job market. Alumni Association arranges activities and major contributions for institutional, academic and infrastructure development. There are several events organized for the alumni students who participate on that day. On the alumni meet, alumni shares his/her views to improve the teaching-learning and as well as the weakness in which the all department have to improve. Some of the teaching staff members are Alumnus of the college due to which the alumni association in the college has a strong alumni network.

5.4.2 – No. of enrolled Alumni:

708

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

Meeting-1, Activity-1

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Based on categorization of academic/non-academic responsibilities in the Institution we have adopted the following mechanism. various statutory and non-statutory committees have been set up in the institution for effective governance. 1. Recruitment of faculty: Based on the requirement received from the Head of the departments, The management of the Institution will issue advertisement for recruitment of candidates for different faculty positions in leading dailies and college website, giving at least 20 days from the date of publication of the advertisement time and make appointments. Human Resource department will receive curriculum vitae (CV) of the desired aspirants and segregate those department wise, and seek suggestions or screening of CVs by respective department HODs. Once the screening is done by the HODs, the eligible candidates will be called for interview/demo by head HR. Interview/demo will be conducted in the presence of an interview panel (Interview panel consists of Principal, HOD, subject expert from external resource). Based on the feedback of the panel members, The most desirable candidates will be appointed for the relevant teaching posts by the Principal and Management of the Institution. 2. Project exhibition: A project development and its demonstration is the best way to assess student’s knowledge about the course. Our institution conducts a project exhibition event every year to final year students and best project from each Department is felicitated. During the pandemic in 2019-2020 the exhibition was conducted Department level in virtual mode. A Project execution is mandatory for final year students one or two staff members are nominated as project coordinators at department level. For every batch of three to four students a staff member is designated as project guide. Students should submit project proposal/synopsis along with guide’s signature for approval. A preliminary assessment round in which students are required to present the proposal to an evaluating team within the department to check the feasibility and standards of the projects. If any of the projects fails to meet the desired standards students are advised to modify it and resubmit. After the approval students are advised to go ahead with their work, a mid-term review is conducted by the coordinators to review the progress of the work done. At the end of the semester in the last week of the Academic calendar a final viva-voice is conducted within the Department to assess the quality of the work done. Due to pandemic, it was conducted in virtual mode in the presence of examiner as well as an external representative from VTU. Based on their evaluation a panel of 5 to 6 senior staff members appointed by the HOD in consultation with the coordinators assess the projects and awards points. Based on the panel’s report HODs nominate best project from their respective department to the principal, and the project batch is felicitated on graduation day.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
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<p>Admission of Students</p>	<p>Admission department follows the norms laid down by AICTE, VTU and admit the students through CET , KRLMPCA and management quota. The college offers admission to students from a wide range of socio-economic backgrounds and ethnic backgrounds.</p>
<p>Examination and Evaluation</p>	<p>With respect to CIE, the rules and regulations for the evaluation process are laid down by the affiliating University and are communicated to the students through the syllabus copies provided at the beginning of the first year of their academic program. Each course is assessed through three internal tests and activities. The syllabus for internal assessment will be communicated to students well in advance. After the successful completion of a CIE, the institute uploads the CIE marks to the Visvesvaraya Technological University, Belgaum. The Principal, Controller of Examination and team of examination section carry out the complete Semester End Examination [SEE] process in coordination with all department Staff. During even semester due to lockdown, Internal examination was conducted in online mode using Zoom Application. The Semester End Examination [SEE] was called off and all students were promoted.</p>
<p>Teaching and Learning</p>	<p>Faculty members use a variety of innovative teaching pedagogies like Power Point Presentation, Project-based Assignments, Edusat / E-shikshana, Quizzes, Chalk and Lecture flip class, Group task / Group Teaching and Poster Presentation. Faculty produce hard copy and softcopy with notes for their particular courses and provide it to students with Moodle / Google classrooms as well as Question Bank to boost student performance. To enhance the Teaching Learning process, students provide feedback during the semester, and the HODs and Principal undertake the necessary faculty-related measures. During even semester due to pandemic lockdown was implemented. All teaching and learning activities took place through online mode. Online Classes was effectively handled by the Faculty members by using Zoom Application.</p>
<p>Curriculum Development</p>	<p>The long term plans are laid down after discussion in the Academic</p>

council meeting, and are implemented by the principal through the HODs of the respective departments. The Department HODs conduct Dept. level meetings periodically to discuss the progress of Academic, non-Academic and research activities of the department Skill development program, Bridge course, value added courses and certificate courses are conducted depending on the needs of the students. The Curriculum is planned and delivered in order to achieve the Course Outcomes (COs). Curriculum gaps are recognised, and guest lectures, SDP, and workshops are scheduled on a regular basis to overcome the academic system gap.

Research and Development

Research and development cell is headed by Dr. Abu Syed, HOD civil Engineering. Senior faculty members and heads of various departments are the members of the committee. Our Institution has research and development centres approved by VTU and many of our faculties are pursuing PhD. Faculty Members are encouraged to submit project proposals. Considerable number of proposals are submitted by our faculties to SERB-DST, VGST etc.,. Faculties are also encouraged to publish research papers in Scopus Indexed Journals, SCI etc.,

Industry Interaction / Collaboration

The departments have signed MOUs with different companies or industries. Faculty members interact with these industries and conduct value added courses and skill development programs. The Departments arrange industrial visits for their respective students. The Departments urge the students to do certificate courses such as Coursera, NPTEL. The Departments also conduct extended lectures on emerging trends. The students also undergo internship program for duration of 4 weeks after third year of the course. FDPs are also arranged in association with the industry.

Human Resource Management

Human resource department provides valued HR services that enable the institution to attract, support, retain and develop diverse talent needed to achieve and sustain the Institution's mission and vision fostering a healthy, respectful and inspiring work environment. HR department creates a welcoming, affirming and empowering

work culture. It ensures to achieve the institutions diversity and inclusivity agenda by hiring faculty from diverse backgrounds, experience, talents and ideas. At HKBKCE, we strive to provide a memorable experience to the newly joined staff, make them feel valued, excited, wanted and interested by welcoming, educating, connecting through an induction program. Every new staff is briefed about the institution, its inception, Leadership team, organization structure, policies and responsibilities. The process commences with setting clear goals and expectation, encouraging growth through development and career planning, engaging in ongoing coaching and feedback, documenting ongoing conversations with performance reviews, inspiring and motivating excellence through ongoing engagements.

Library, ICT and Physical Infrastructure / Instrumentation

Library is a vital cog in Teaching Learning Process. It has Wi-Fi Internet access, digital learning resources and online access to major journals and E-books on Science and Engineering Technology, Management etc. Library provides a conducive environment for intellectual development of the student with learning resources and standard text books. All class rooms are equipped with ICT infrastructure, including WIFI connections and LED projectors. Faculty members use these facilities to deliver their lectures.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Finance and Accounts	Day-to-day transactions, recurring expenses, fee collections, miscellaneous expenses, balance sheet, tax-related information, regulatory compliance are being maintained under different account heads. Appropriate reports and financial status will be provided on need-based to relevant internal stakeholder, Director, and Regulatory Authorities.
Student Admission and Support	For student admissions, e-governance is limited to email communication and telephonic communication. Post admission, information related to each student is uploaded to ERP.
Examination	We have separate examination department under the super vision of

	exam superintendent and Principal. Exam department is provided with all necessary infrastructures to support students for registering of examination application forms and other relevant information. The university facilitates downloading of hall tickets for students and downloading question papers at the time of examinations.
Planning and Development	The institute has E-Governance facility to implement day to day activities in class rooms, labs, and also in areas of administration, finance and teaching learning process and examination. Towards achieving this goal, we have been using ERP and implemented many feature of E-Governance. This has resulted in minimising manual effort.
Administration	ERP package as MIS to maintain faculty details and provides access to each faculty, supervisors, admin, and finance to update and view Employee Profile, Salary related details, attendance, different leaves and related leave status. The Institution uses state of the art Biometric Attendance Management System that is integrated to ERP.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Radha D	Recent Trends in Deep Learning and its Applications	BMS college	1000
2019	Pushpa T	Data Analytics A practical Approach	BMS college	1000
2019	Archana Hombalith	Research Methodology	VTU(Atria College)	1000
2019	Halah Ozhakkal Latheef	5 G Communication Network and its future perspective	Ramaiah Institute of Technology	1000
2019	Husna Tabassum	5 G Communication	Ramaiah Institute of	1000

		Network and its future perspective	Technology	
2019	Khamer Fathima	5 G Communication Network and its future perspective	Ramaiah Institute of Technology	1000
2019	Vijayalakshmi	Recent trends in Deep Learning and its applications	BMS college	1000
2019	Shruthi k c	Recent trends in Deep Learning and its applications	BMS college	1000
2019	Nidhi Sinha	Data Analytics A practical Approach	BMS college	1000
2019	J SUNEETHA	Data Analytics A practical Approach	BMS college	1000

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Research Methodology	Nil	26/10/2019	26/10/2019	41	Nil
2020	Teaching Learning Process (TLP)	Teaching Learning Process (TLP)	27/08/2020	29/08/2020	50	Nil
2019	Develop the next generation of Engg Educators	Nil	05/12/2019	17/12/2019	123	Nil
2020	Intellectual Property Rights Significance	Nil	31/01/2020	31/01/2020	108	Nil

	in Business and Research					
2020	Recent Trends in Renewable Energy systems	Nil	28/01/2020	03/02/2020	21	Nil
2019	FDP on Microsoft Office	FDP on Microsoft Office	17/07/2019	19/07/2019	24	11
2019	Analog Digital Electronics Laboratory	Nil	25/07/2019	27/07/2019	15	Nil
2020	5 Days FDP on " Micro Controllers Embedded Systems Laboratory	5 Days FDP on " Micro Controllers Embedded Systems Laboratory	06/02/2020	10/02/2020	37	Nil
2019	Electronic Devices Instrumentation analysis using ORCAD Pspice	Nil	27/08/2019	28/08/2019	13	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Teaching and Learning Process	4	27/08/2020	29/08/2020	3
Develop the Next Generation of Engineering Educators	18	12/12/2019	16/12/2019	5
Recent Trends in Renewable Energy System	20	28/01/2020	03/02/2020	7
SUSTAINABLE DESIGN – "Small is beautiful : A study of	1	09/09/2019	16/09/2019	8

Design as if people mattered

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
19	19	4	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Maternity leave to the women employees for a period of 75 days which is extended to 180 days in the year 2018-19. • Marriage leaves for 15 days. • Group insurance • Employee provident fund. • Transportation facility. • Vacation Leave of 15 days/ semester • Sick leave for a period of 7 days. • Health Insurance 	<ul style="list-style-type: none"> • Relevant training programs are conducted to update the latest skills • Transportation facility • Casual leave of 15days in a year • Earned leave of 15 days • Marriage leaves for 15 days • Sick leave for a period of 7 days. • Maternity leave to the women employees, for a period of 75 days which is extended to 180 days in the year 2018-19 • Group Insurance • Employees Provident Fund (EPF). • Health Insurance 	<ul style="list-style-type: none"> • Group Insurance • Scholarship for economically weak students

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

HKBKCE regularly conducts internal and external financial audits. It has a full-time Accounts Department since inception to ensure maintenance of annual accounts and audit. The expenses will be monitored by the accounts department. The institutional accounts are audited regularly by Auditor. Internal Audit : Internal Audit is conducted by an Internal Auditor. Internal audit is conducted twice a year for the period ending 30/9 and 31/3. Independent external Auditor conducts statutory audit covering all financial and accounting activities of the Institute. This includes scrutiny of the following: (a) All receipts from fee, donations, grants, contributions, interest earned and returns on investments. (b) All payments to staff, vendors, contractors, students and other service providers. If discrepancy observed is reported for review and reported to Governing Council. Finance department submits detailed clarification to the issues raised and same is ratified by the GC. External Audit: Independent Chartered Accountant appointed by the Institute as a statutory Auditor examines all the books of accounts and financial transactions at the year end and prepares final statement of accounts for filing and return of income submitted to the governing council for review and approval. After approval filing the return.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose

Flexible Polymers , Express Construction , P P Shaheela	3000000	Development student support
View File		

6.4.3 – Total corpus fund generated

418827598

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NBA and LIC	Yes	IQAC
Administrative	Yes	NBA and LIC	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

<ul style="list-style-type: none"> Regular meeting of Parent Teacher will be conducted at least once in a semester from every department to apprise the parents of their ward's performance and discuss about academic and nonacademic issues. HOD's, class teacher, mentor's address the parents and give a report about the activities of the department during the course of that semester and seek the feedback from the parents to improving the functioning of department. Also, in each meeting departments ask suggestions from parents on Curriculum, Teaching, Learning Evaluation process etc. The parents meet the class teachers of their wards and other faculty members and interact with them on specific issues that their wards may be encountering. Parents are cordially invited for Orientation Programme of their wards on their first Day of College every year. We conduct regular telephonic contact with the parents on monthly basis after every IA. Feedback from parents is given due consideration.
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6.5.3 – Development programmes for support staff (at least three)

<ul style="list-style-type: none"> Workshop on Student Specific Support and Teaching Learning Process (TLP) Training program on Fire Safety Measures. Training program- MS Office. FDP on Micro controllers Embedded systems laboratory Sponsored non teaching staff to attend Workshop - TEQIP 1.3 Sponsored non teaching staff to attend Workshop - Virtual Labs
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

<ul style="list-style-type: none"> Regular health check-up camps in college to ensure the well-being of the employees. Enhancement of online facilities for teaching learning. Campus has been sanitized and followed all the SOP's during lockdown. Activities done by HR to the teaching staff during lockdown. Library automation has been completed eLearning resources are made available for the students

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality	Date of	Duration From	Duration To	Number of
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	initiative by IQAC	conducting IQAC			participants
2019	Develop the next generation of Engg Educators	05/12/2019	05/12/2019	09/12/2019	123
2019	FDP on MS office	17/08/2019	17/08/2019	19/08/2019	35
2019	Research Methodology	26/10/2019	26/10/2019	26/10/2019	41
2020	Recent Trends in Renewable Energy systems	28/01/2020	28/01/2020	03/02/2020	21
2020	5 Days FDP on " Micro Controllers Embedded Systems Laboratory	06/02/2020	06/02/2020	10/02/2020	37

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Grace Hopper Celebration India (GHCI)-19, Asia's Largest International Activity, Gathering of Women Technocrats' held from Nov 6-8 at BIEC, Bangalore.	06/11/2019	08/11/2019	19	0
Women's Day Celebration-2020 "AN EQUAL WORLD IS AN ENABLED WORLD"	09/03/2020	09/03/2020	300	700
A Rally on Gender Sensitization	28/03/2020	28/03/2020	100	150
Webinar on	09/05/2020	09/05/2020	150	0

"The current COVID-19 situation " hosted by Suja Warrior, Corporate Diversity and Inclusion, HRD, Infosys., Bangalore and AnitaB.org

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

50 of power requirement is saved by installing LCD monitors in place of CRT. LED and CFL bulbs are installed for lighting load requirement. Also sensor based bulbs are installed in Corridor area and meeting rooms.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	4
Ramp/Rails	Yes	4
Rest Rooms	Yes	4
Braille Software/facilities	Yes	0
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	19/11/2019	3	Food Packaging	Food Preservation to minimize Food wastage	20
2019	1	1	26/12/2019	2	E-Waste Awareness	E-Waste Management towards Environment sensitization	10
2020	1	1	15/04/20	30	Social	Helping	300

			020		Service	Families in distress during COV ID-19 Pandemic
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Faculty Hand Book and Students Code of Conducts	18/08/2020	HKBK College Engineering affiliated to VTU, approved by AICTE follows the rules and regulations prescribed by applicable relevant authorities. It has framed the service and code of conduct for its staff. The Faculty Handbook is shared through Roles and Responsibility Table, KRA with all the staff members. The staff members on joining the institute given the orientation about roles, responsibilities and rules to be followed as per policy and code of conduct. All the students compulsorily attend the 15 Days orientation program. During orientation programs students are explained about rules, regulation of VTU as well as institute.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Teachers Day	05/09/2019	05/09/2019	1200
Constitution Day	26/11/2019	26/11/2019	560
Youth Day	13/01/2020	13/01/2020	800
Republic Day	26/01/2020	26/01/2020	300
International Women Day	09/03/2020	09/03/2020	1000
Independence Day	15/08/2019	15/08/2019	650
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1- Enhanced Green set up 2- Pedestrians foot path 3- Exclusive Parking area outside academic area with restricted vehicle entry 4- No Plastic Zone 5- Bicycle for intra campus movement.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 1. Title of the Practice: "Students' Holistic Development and Mentoring System" 2. Objective of the Practice HKBK College of Engineering being self-finance institute has the privilege to admit the students from all over passed out from the various boards of education are challenge for the faculty members to bring synergy in teaching methodology. Also the social and geographical diversity of students pose the complex problem to the teacher to synchronize the teaching to the class. In this context, initial evaluation of all the first year students is conducted during orientation program. The orientation program team consist of senior faculty as coordinator, mentors, students' welfare committee coordinator and students' counsellor. The evaluation report helps -

- To identify the strength and improvement areas of each student.
- To inculcate sense of discipline and social responsibility.
- To help students for right career path selection by the end of course.
- To collect feedback and ensure that problems (both academic and non-academic) are resolved to the satisfaction of all stake holders.

3. The Context The following issues made the Institution to adopt the holistic mentoring system.

- The students with low level of applied sciences basic pre-requisite for engineering failed in multiple subjects which leads to loss of year or some time course drop out.
- Students with weak financial and social back ground drop the course when fail in few subject with self-induced fear of not coping with engineering program.
- Family and social pressure make the students disinterested in engineering. Students get astray in different field and fail in first year.
- The need for addressing conflicts in attitudes, habits, and adaptability towards learning practices among the students.

4. The Practice In the beginning of the first semester, fifteen days orientation program is conducted. The initial classes are focused in conducting quiz MCQ based written test and interaction of mentor faculties with students. The orientation program is based on curriculum and co-curriculum activities. The Institute has set up various clubs in the field of art, literature, technology hobby, music and social activities. During orientation program students participate in activities like collage, debate, collage, visiting orphanage, old-age home, organized by these clubs. The orientation program ensure that every student participate in class room, sports and social activities. Student's mentors prepare the evaluation report everyday based on activities of the day. At the end of orientation program, students' strength and improvement areas are identified based on orientation program committee report. Students mentor interact with student on regular basis to follow up the progress of the student.

- A group of 15 students is assigned to mentor who is faculty member from his/her program department.
- The mentor is provided mentoring dairies which is regularly updated during one on one with student as well as on receiving the result of academic and extra -curriculum activities result.
- The mentors arrange remedial and tutorial classes for slow learners.
- Mentor maintains the student information. HOD monitors the mentoring dairies.

5. Evidence of Success

- Students' program dropout rate declined.
- Students' engagement in academic and co-curriculum activities increased.
- Academic performance of the students improved.

6. Problems Encountered and Resources Required During this practice execution, various problems are encountered. Students exhibit large inertia to get into the program activities. The inspiration by mentors and diverse activities enable the students to be participative in the program. The diverse social, linguistic and geographical back ground was hurdle to get students together. The team building exercise through problem solving, sports events and

club activities helped to overcome it. This practice requires extensive coordination between academic and supporting functions departments to ensure required logistics and resources are available in time. BEST PRACTICE 2

1. Title of the Practice: "Students and Faculty Well Being"

2. Objective of the Practice

- To enhance positive thinking and attitude.
- To provide opportunities of learning life skills towards happy and peaceful living.
- To make students and staff deliver the best of potential.

3. The Context The hectic life style and academic activities cause the mental, emotional and physical stress to students and staff in education institute located in metro cities like Bengaluru. The economic goals hardship and fading opportunities causing financial and social dilemma among the students and staff members. In such state of mind and ambience, hope for future as well as managing life happily with resource at disposal impacting performance of students and staff. This is evident during the pandemic initial phase. The institute envisions to provide the platform and opportunity to students and staff towards positive thinking and life skill learning. This will enable students and staff to concentrate energy towards efficient and impactful life approach.

4. The Practice

- The Institute initiated Employees Assistant Program coordinated by Legal Assistance Cell and HR Dept. The legal assistance cell introduced initiatives towards planning financial wellbeing through conduction of special talks and interaction with experts. It has conducted program on Financial Saving awareness and guidance, Emotional Counselling, Socio-Legal assistance to resolve personal issues in family. The institute has appointed students counsellor to address wellbeing of students. Students counselling cell conducted group and one-on-one counselling session on stress management awareness This cell also address the mental stress of individual student with parents and alone. The induction program is conducted for 1st year students in the beginning of academic year for two weeks. This helped students to transit from long academic break period to academic activities smoothly. The institute encouraged online co-curriculum activities during pandemic.
- The institute HR department conduct the induction program for newly appointed staff to create awareness about rules, regulation and expectation from the job role. This help the new staff members easily get into the responsibility without any ambiguity. The HR department initiated rewarding and socialising policy. The academic excellent like research paper publication, patents, attending FDP and national/international conferences is encouraged and rewarded financially. The staff one day outing program arrangement and sponsored by institute provide the opportunity to staff to break unwind and reenergised through socializing events through out the day in a resort/camping.

5. Evidence of Success

- The students are feeling campus as overall learning place. The institute has negligible conflicts among students community in campus. The facilities of sports and green campus and regular counselling of students helping to achieve academic progress and overall student's satisfaction. The students transit to online class with above 80 attendance showed the effectiveness of students counselling and students-teacher healthy relation. The students participation during pandemic first phase in learning indicates positive impact of institute initiatives of students and staff well beings. The activities like sketching, painting, singing and dancing during online classes mode in pandemic phase enhanced students participation.
- The regularity in job, extending help and enabling students learning with good pass percentage of students with weak socio-economic background is testimony of staff acquire positive thinking and attitude through HR depart, counselling departs and Employee Assistance Program. Even during the pandemic, staffs have transit to online teaching without any delay and pause.

6. Problems Encountered and Resources Required The students joining engineering program after the long gap of academics, leads to stress and nervousness. This leads to poor performance which accumulates to the point of emotional and mental breakdown. In semester based academic year, teaching faculty find it difficult to extend emotional and mental counselling

to students. The exclusive and special department had been set up as "Students Counselling". The staff members carry various difficulties due to social, personal and economic hardship due to unawareness and/or lack of opportunities to learn required soft skill to manage such problems. The HR department initiative under Employee Assistant Program reach to staff members one-on-one basis.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://hkbk.edu.in/backend/backend/Best%20Practice.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Enabling the Students to Excel through Policy of Financial Inclusiveness and Secured Campus Financial support to socially and financially weak students: HKBK College of Engineering being a minority Institute is committed to provide the access and opportunities for professional excellence to students from economically and socially weaker sections of the society. The Institute policy of socio-economic development of weaker sections of society ensured that students from weaker sections of the society get the opportunity for professional education. The Institute follows the policy of financial inclusiveness and provides every year more than INR 45 lakhs scholarship / fee waiver financial support to eligible students. The Institutes policy of socially committed for upliftment of weaker sections of society had helped many students to realize the dream of social higher ladder. Today many alumni from such section of students are in leading position in many government and multinational companies. The Institute has grievances cell under the chairmanship of Secretary HKBK Group of Institutions which meets once in a year and review students as well as faculty members' issues hindering their development in the Institute. In last three years grievances cell identified twenty students to provide social and financial support for continuing their studies. These students and their parents are counselled and inspired to continue the studies. This helps in taking proactive measure towards mitigating course drop out due to financial constraints as well as social pressure in case of girl students. The placement in campus and off campus data indicates the accomplishments of this objective. Secured and Safe Campus: The Institute provides the Group Insurance scheme for all staff members and students. This helped the member of the scheme towards meeting emergency requirement in case of critically ill or mortems. There are more than 50 students and staff with the economically weak background. Such scheme makes the good contribution to their unfortunate situation. The institute takes care of student's security specially girl's students. The whole campus is covered with CCTV as well as round the clock security in campus as well as at Hostel. The transport facility is provided for hosteller as well as day-scholars. This is evident as ratio of Girls-Boys students in circuit branches programs is more than 30. Within campus separate common room as well as rest rooms in each block is provided. The active CICC provides the sense of safety as well as confidence to girls students not to keep quite in case of such untoward incidences at personal level. The students counselling cell at department as well as Institute level provided the emotional as well as psychological support to students. This has helped students to get confidence and reduces the drop outs.

Provide the weblink of the institution

<https://www.hkbk.edu.in/>

8.Future Plans of Actions for Next Academic Year

Revision of Teaching learning Plan that incorporates higher order thinking among faculty and students. To inculcate higher order thinking among faculty and students in order to achieve higher order levels of RBT To Apply for NIRF Ranking Awareness about various schemes of AICTE like scholarships, sponsorships, research for students, faculty members To increase participation of students for Certification Courses Enhancement in the number of Value addition Courses and increase in student participation To Apply for funding for FDPs, various schemes under AICTE,DST,VGST etc