



SELF STUDY REPORT

FOR

5th CYCLE OF ACCREDITATION

K.L.E. SOCIETY'S P.C. JABIN SCIENCE COLLEGE

P.B.ROAD, VIDYANAGAR, HUBBALLI

580031

www.jabincollege.com

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

K. L. E Society's P. C. Jabin Science College is the premier institution of higher education in North-Karnataka, welcoming students from all spheres of life, regardless of caste, creed, religion or socioeconomic background. It was started in 1957 by donation of philanthropist Smt. Channamma Parappa Jabin on her husband name Shri. Parappa C. Jabin for imparting quality basic science education. Institution has a lush green, spacious campus of 8.3 acres with built up area of 25642.28 sq. mts situated adjacent to the National Highway and well connected with major cities of the state and country by air, rail and road. It has 35 classrooms, an audio-video recording room, a common staff room, a ladies room, an office, NCC, NSS, healthcare and YRC Wing. It has 32 well equipped laboratories; a library; a language laboratory; ICT enabled classrooms; a seminar hall; a gymkhana; an indoor stadium; a medicinal garden and museums (botanical & zoological) with unique collections of specimens, particularly having a life-size mounted elephant skeleton, which is a star attraction and one of its kinds among the institutions of Asia. Institution has also provided buildings for a canteen and a bank. There are two girls and one boys hostels and 8 staff quarters.

Institution offers undergraduate (UG) programmes in B.Sc. and BCA and postgraduate (PG) programmes in Physics, Chemistry, Computer Science and Biotechnology. A total of 2139 students are enrolled in various UG and PG programmes in the current academic year. In addition to these programmes, the college imparts skill-based education through certificate and value-added courses for enriching students' knowledge.

University Grants Commission (UGC) has recognized institution under Sections 2(f) and 12(B) and conferred autonomous status in 2007, which was extended in 2012 and 2017. Further, UGC has recognized college with Potential for Excellence Phase-III and Mentor Institution under PARAMARSH Scheme. Ministry of Human Resource and Development recognized it under Unnat Bharat Abhiyan 2.0, under which college works towards building a better society through awareness and societal outreach programmes. On its march, college was re-accredited in 4th cycle, at 'A' grade with CGPA 3.43 by NAAC.

Vision

- To be the institution of choice for science education and research
- Manifesting excellence, stimulating evolutionary progress and engaging the society

Mission

- To build an environment of instructional excellence to meet the needs of the present and emerging scientific and technological world
- To strive for students' achievement and success, preparing them for life and leadership
- To contribute to the advancement of knowledge and developmental needs of the society
- This will be accomplished by committed, empowered and a synergetic team, practicing human and environmental values that the generation demands now and in future

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Financially strong and supportive management.
- Democratic, growth oriented and value driven leadership
- A transparent, participative and decentralized administrative system
- The institution is located in the heart of the city and the name 'P.C. Jabin Science College' has a brand value that attracts students.
- Autonomous Status and College with Potential for Excellence (CPE- Phase-III) sanctioned by UGC
- Re-accredited at 'A' grade with CGPA of 3.43 by NAAC
- Patents and intellectual property creation
- Implementation of National Educational Policy-2020.
- Imparting holistic education through curriculum design and development
- A transparent admission policy
- Increase in admissions of female students
- Digital and transparent evaluation process
- Dedicated and qualified faculty with a 19:1 student-teacher ratio.
- Recognized under UBA-2.0 by MHRD.
- ICT enabled classrooms
- Regular conduct of orientation/induction/guest lectures/seminars/workshops/field visits etc., for students
- Excellent infrastructure facilities with safety measures
- Hostel facility for girls
- Well stacked library of text books, journals and digital resources
- Rigorous Training by Career guidance and placement cell resulting in outstanding placement record
- Highly committed and supportive alumni
- The Honeywell Centre of Excellence for Women Empowerment
- Adoption of villages and rural schools for learning and social commitment

Institutional Weakness

- Interstate and International student enrolment
- Research funding from government/nongovernment and private agencies.
- The Ph.D programme is awaited for approval by the affiliating university.
- Revenue generation through consultancy and corporate training.
- Recognition of research guideship
- International linkages/collaborations

Institutional Opportunity

- Introduction of Integrated M.Sc. Programmes and NSQF Certificate Courses
- Avenues for Blended teaching methodologies
- Scope for online examination and evaluation process
- Ample scope for interdisciplinary and community-based research
- Establishment of incubation centers
- Need to enhance the participation of students in sports at national and international level.

Institutional Challenge

- Lack of appointments by government on regular basis.
- Retention of management faculty
- An increase in the number of colleges poses a challenge.
- Achievement of National level ranking

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

K. L. E. Society's P. C. Jabin Science College develops and deploys curricula that fulfil the demands of industry and society. The curriculum is designed to develop competencies in order to meet the institution's vision and mission, and it is guided by the UGC's National Curriculum Framework and Guidelines. The curriculum is updated in response to changing regional, national and global needs. This is accomplished through detailed feedback from all stakeholders.

- The institution offers 19 UG and 4 PG programmes under the Choice Based Credit System.
- The syllabi of all programmes have been revised during five years.
- The syllabus is framed by the Board of Studies and approved by the Academic Council and Governing Body.
- The new courses introduced make up 34.98% of the total courses.
- The institution follows Outcome-Based Education (OBE) and all Course Outcomes (CO) are mapped with Programme Outcomes (PO) and Programme Specific Outcomes (PSO).
- Skill development, employability and entrepreneurship components are integrated into the curricula (95.29 % of courses).
- Experiential learning activities such as internships, projects, field trips and industrial visits are integral components of curricula (86.49 % of total students).
- The curriculum is integrated with crosscutting issues relevant to professional ethics, gender, human values, environment and sustainability.
- Extension activities under Swachh Bharat Summer Internship Programme (SBIP) are included in the curriculum structure to connect students to society.
- Compulsory SWAYAM courses are included in the curriculum structure to promote self-learning.
- A total of 82 value-added courses were offered in the last five years and 33.88% of students are benefited.
- Feedback from different stakeholders is collected, analyzed and implemented while revising the curriculum and the course content.

Teaching-learning and Evaluation

The brand name of the college itself draws students from all over the state and the admission committee ensures that the admission policy is properly implemented. On the basis of merit and equity, the college has adopted a reservation policy for admissions to students from the socially and economically backward, physically challenged, and sports people. To have financial transparency, students remit fees directly to the bank account.

- The average student enrolment is 70.49% with an average of 1339 of girls.
- Full time teachers against sanctioned posts are 99.79% with an average teaching experience in the institution with 4.87 years.
- The average student-teacher ratio is 19:1, with 31.96% of the faculty holding Ph.D degree.
- The institution assesses the learning levels of the students by conducting entrance tests at the entry level and organizes special programmes for advanced and slow learners.
- Experiential learning is ensured through industrial visits, field trips, internships and projects. Participatory learning activities like seminars, oral presentations, quizzes and debates are made part of the curriculum. Problem-solving methodologies facilitate the application of domain knowledge to resolve real-life problems.
- The use of ICT in teaching is given the highest priority. Most of the faculty members are using ICT tools such as PPTs, Google Classroom, Google Meet, Teachmint, Zoom etc.
- A strong mentoring system with a student to mentor ratio of 25:1. MACCESS software is installed to manage the Mentor-Mentee system.
- The average time taken by the college for the declaration of examination results is 36.07 days from the date of the last course examination.
- Digital evaluation has made the examination system almost error free.
- Programme outcomes and course outcomes are communicated effectively to students.
- Attainment of programme outcomes and course outcomes are assessed by using direct and indirect methods.
- The average pass percentage of current outgoing students is 94.69%.

Research, Innovations and Extension

The institution has a well-defined Research Promotion Policy and Code of Ethics which serve as the driving force in developing an eco-system for innovation, knowledge creation and transfer. Research activities are coordinated by the Research Advisory committee, which is responsible for implementing the Institution's research policy in collaboration with the management.

- The institution encourages teachers and students to conduct basic science research by providing seed money of Rs. 25,000/- for teachers and Rs. 10,000/- for students and to promote start-up research, the "Lab to Land" scheme has been introduced, under which eligible proposals will be sanctioned with Rs. 1,00,000/- as seed money.
- The institution has established the Ministry of Education recognized Innovation Cell and Ministry of Human Resources and Development recognized Institution Innovation Council (IIC) through which a number of activities have been initiated and conducted.
- A total of 55 seminars and workshops on research methodology, Intellectual Property Rights (IPR), entrepreneurship and skill development were conducted.
- The Institute has entered into an agreement with Mahatma Gandhi Institute for Rural Industrialization (MGIRI), Wardha, Maharashtra to train young entrepreneurs and establish small-scale industries with an assistance of the Ministry of Micro, Small, and Medium Enterprises (MSME).
- The institution encourages and financially supports teachers and students who present research papers at international and National Seminars and Conferences.
- Faculty have published 151 research papers in Scopus/Web of Science indexed journals and 91 papers in edited books/conference proceedings with ISBN numbers.
- Extension activities witness 72.33% of student participation. Five villages have been adopted under the Unnat Bharat Abhiyan (UBA) scheme. Overall, 240 extension and outreach activities have been

conducted.

- Institution has made collaborative endeavors by signing 17 MoUs with various industries and organizations for research, faculty exchange, student exchange, internship, on-the-job training, and project work.

Infrastructure and Learning Resources

The institution has adequate infrastructure and physical facilities such as well equipped ICT enabled classrooms, laboratories, examination section, office, ladies room, staff rooms etc., to carry out administrative, curricular, co-curricular and extra curricular activities.

- There are 35 well-ventilated classrooms, of which 21 are ICT-enabled. A seminar hall and a gymkhana with ICT and Wi-Fi facility. There are 32 well equipped laboratories, including 10 computer labs with 343 computers. The student-computer ratio (during the current academic year) is 6:1
- There is an Internet facility with browsing speed of 100 Mbps (4lines) with 2 Wi-Fi access points across campus for teachers and students.
- There are Audio Visual rooms, Lecture capturing systems-Open Broadcaster Service (OBS), Great Learning and G-Suite LMS and mixing equipment and software for editing.
- The language lab has 21 computers with different software's to enhance the listening, speaking, and reading skills of students.
- All departments are provided with computer and internet facilities. The campus has a 50 KVA AC generator for power supply.
- The institution has a well-equipped gymkhana, a Gymnasium/Fitness centre with an 18 station multigym, an indoor and outdoor playground for sports activities.
- The college has a separate building for library with reading room facility for boys and girls and adequate number of books, e-journals and CDs.
- The library is automated with e-Lib software version 16.2 and it has a separate digital library section with 26 computers meant for students and staff. The library has a subscription to N-LIST, a depository of e-resources.
- The average annual expenditure for the purchase of books/e-books and subscriptions to journals/e-journals during the last five years is 6.59 lakhs.
- Total expenditure incurred for infrastructure augmentation during last five years is 404.06 lakh
- Total expenditure incurred on maintenance of infrastructure (academic support and physical facilities) during the last five years is 761.13 lakh

Student Support and Progression

The institution strives hard for the holistic development of students through its support system. It has a SC/ST Cell, an OBC Cell, an Internal Compliant Cell, a RTI Cell, a Grievance Redressal Cell, an Anti-Ragging Cell, and Cell for Anti-Sexual Harassment for the timely redressal of student/staff grievances.

- Financial support is provided to the students through government and non-government scholarships. An average of 41.46% of students benefited by scholarships and freeships provided by the Government and 4.18 % of students benefited by scholarships and freeships provided by the Non-Government agencies. Students have provision to pay fees in instalments.
- The institution has organized 102 capacity-building and skill-enhancement programmes in last five

years. An average of 89.29% of students benefited from the guidance for competitive exams and career counseling activities organized by the institution.

- An average of 32.75% of students got placed in SAP Lab, WIPRO WILP, Infosys-IT, Cognizant, NTT DATA, MRF, Deloitte, DXC Technology, Infosys BPS, Accenture, TCS, Indian Money, Vibhava chemicals, Shilpa Medicare Pvt Ltd, Nestle, Hexaware etc., in the last five years.
- An average of 32.89% of students progressed to higher studies in the last five years.
- A total of 15 awards and prizes have been received for various national and international competitions for outstanding performance.
- The institution has an active student council, which helps in effective functioning of curricular, co-curricular, and extracurricular activities.
- The institution has a registered and functional Alumni Association that has contributed Rs. 10.98 lakh in the last five years towards the development of the institution and also provides cash prizes for meritorious students, seed money for research and start-up projects. It also organizes various guest lectures, competitions, and alumni days
- The institution gives financial assistance to economically weaker class of students through "Earn While You Learn" scheme called "PARISHRAMA".

Governance, Leadership and Management

Institution is administered by the K.L.E. Society Belagavi under the dynamic leadership of Dr. Prabhakar B. Kore, Chairman of the Board of Management. The institution's decentralized, democratic, participatory, and transparent governance ensures the quality and excellence of its teaching, research and outreach endeavors. The statutory and non-statutory committees oversee the general administration and execution of academic, administrative, co-curricular and extracurricular activities. The finance committee executes budget allocation and fund mobilization with an approval from the governing body. The governing body, academic council, BoS and finance committees function as per the guidelines.

- The successful implementation of the activities under Unnat Bharat Abhiyan is demonstrative of the decentralization and participative management of the institution.
- The Institutional Perspective Plan "VISION-2025" is prepared and deployed to fulfil institutional goals.
- E-governance is effectively implemented in administration, finance, student admission, student support, and examinations.
- The institution provides various avenues for career development through financial support to attend conferences, workshops, and seminars, and it also encourages faculty to pursue higher studies such as PhDs. An average of 16.97 % of faculty members have been provided with financial support.
- The institution has organised 50 professional development and administrative training programmes. In addition, the institution organized an online refresher course in collaboration with the Teaching Learning Centre, Ramanujan College, New Delhi. 17.45% of faculty members have undergone face-to-face or online faculty development programmes and refresher courses.
- The institution conducts internal and external audits regularly by chartered accountants appointed by management and audit officers appointed by Government of Karnataka.
- The implementation of the Swachh Bharat Summer Internship Programme, SWAYAM/MOOC courses and the functional Mentor-Mentee system are the quality initiatives that have significantly enhanced the quality of the education.
- The IQAC regularly conducts internal and external academic and administrative audits and implements outcome-based education to review institutional teaching-learning process.
- IQAC meets regularly, analyses feedbacks for the improvement, collaborates with institutes of quality

and participates in NIRF to meet the quality benchmarks.

- Institute organized conferences, seminars and workshops on quality, initiated collaborative approaches and conducted orientation programmes on quality issues for teachers and students.

Institutional Values and Best Practices

Institution is committed to inculcate ethics, imbibe values and develop social responsibilities through curricular, co-curricular and extra-curricular activities. It gives impetus for women to contribute and grow by providing equal opportunities and an evidence for it is the highest enrolment of female students. Every year, institution celebrates International Women's Day and female achievers from society are honored.

- Institution has setup a Honeywell Centre of Excellence for Women's Empowerment sponsored by ICT Academy.
- Gender equity and sensitizations programs are regularly organized (36 programs) to create awareness about women's rights and safety.
- In order to ensure women safety in the institution
 - a) Security guards are appointed at entrance gates and hostels
 - b) Surveillance is maintained through CCTV cameras
 - c) ID cards are issued to students and staff to prevent unauthorized entries
 - d) Committees are framed for Grievance Redressal, Anti-Ragging and Anti Sexual Harassment
- Energy conservation is done by harnessing solar energy, usage of LED bulbs and sensor-based technology.
- Waste Management is done through MoUs with external agencies and water conservation system is also efficient.
- Campus is lush green and landscaped with lawns and trees. Usage of single-use plastic items are banned
- A functional vermicomposting unit is also present.
- Environment Audits is done and 67 environmental promotional activities have been conducted by institution.
- Campus is Divyanggan friendly with facilities of ramps/lifts and NonVisual Desktop Access (NVDA) software. Scribes are provided for students in need.
- The institution has organised 101 specific programmes to sensitize students and employees towards constitutional obligations, values, rights and duties of citizens.
- Students and staff adhere to code of conduct which is informed through orientation programs and is monitored by Discipline Committee.
- To instill national integration and harmony 40 National/International commemorative days, events, and festivals were celebrated.
- Two institutional best practices include

(a) Popularization of basic science in rural high schools aiming to stimulate scientific inquiry among rural high school children.

(b) Jabinians as community rejuvenators helps in improving quality of life of rural and semi urban communities.

- Institutional Distinctiveness: '**Educate to Empower**' focuses to provide quality education and empower youth.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	K.L.E. Society's P.C. Jabin Science College
Address	P.B.road, Vidyanagar, Hubballi
City	Hubballi
State	Karnataka
Pin	580031
Website	www.jabincollege.com

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Lingaraj D Horakeri	0836-2376943	9480323632	-	jabincollege@gmail.com
IQAC / CIQA coordinator	Rajasha Nairy K	0836-2372285	9986545906	-	rajesh.nairy@gmail.com

Status of the Institution	
Institution Status	Grant-in-aid and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of Establishment, Prior to the Grant of 'Autonomy'	01-06-1957

Date of grant of 'Autonomy' to the College by UGC		27-01-2005		
University to which the college is affiliated				
State	University name	Document		
Karnataka	Karnataka University	View Document		
Details of UGC recognition				
Under Section	Date	View Document		
2f of UGC	07-01-2008	View Document		
12B of UGC	07-01-2008	View Document		
Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
No contents				

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	Yes
If yes, date of recognition?	01-04-2014
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	P.B.road, Vidyanagar, Hubballi	Urban	8.3	25642.28

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BSc,Physics	36	II PUC	English	90	58
UG	BSc,Physics	36	II PUC	English	60	25
UG	BSc,Physics	36	II PUC	English	20	20
UG	BSc,Chemistry	36	II PUC	English	60	30
UG	BSc,Chemistry	36	II PUC	English	60	29
UG	BSc,Chemistry	36	II PUC	English	60	45
UG	BSc,Botany	36	II PUC	English	10	9
UG	BSc,Botany	36	II PUC	English	13	12
UG	BSc,Botany	36	II PUC	English	90	30
UG	BSc,Zoology	36	II PUC	English	12	12
UG	BSc,Zoology	36	II PUC	English	14	14
UG	BSc,Mathematics	36	II PUC	English	60	12
UG	BSc,Mathematics	36	II PUC	English	24	24
UG	BSc,Mathematics	36	II PUC	English	50	20
UG	BSc,Statistics	36	II PUC	English	20	11
UG	BSc,Electronics	36	II PUC	English	50	24
UG	BSc,Biotechnology	36	II PUC	English	18	18
UG	BCA,Bca	36	II PUC	English	300	300
UG	BSc,Microbiology	36	II PUC	English	10	9
PG	MSc,Physics	24	BSc	English	20	3

PG	MSc,Chemistry	24	BSc	English	60	32
PG	MSc,Computer Science	24	BSc	English	45	4
PG	MSc,Biotechnology	24	BSc	English	30	25

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				10				48			
Recruited	0	0	0	0	9	1	0	10	12	11	0	23
Yet to Recruit	0				0				25			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				77			
Recruited	0	0	0	0	0	0	0	0	27	50	0	77
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				58
Recruited	4	0	0	4
Yet to Recruit				54
Sanctioned by the Management/Society or Other Authorized Bodies				41
Recruited	25	16	0	41
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	6	0	0	8	6	0	20
M.Phil.	0	0	0	3	1	0	1	1	0	6
PG	0	0	0	0	0	0	3	4	0	7
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	11	5	0	16
M.Phil.	0	0	0	0	0	0	3	4	0	7
PG	0	0	0	0	0	0	13	41	0	54
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	766	0	0	0	766
	Female	1250	0	0	0	1250
	Others	0	0	0	0	0
PG	Male	34	0	0	0	34
	Female	89	0	0	0	89
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	13	17	14	22
	Female	31	36	19	30
	Others	0	0	0	0
ST	Male	10	7	11	5
	Female	10	14	17	12
	Others	0	0	0	0
OBC	Male	191	325	179	202
	Female	313	204	320	301
	Others	0	0	0	0
General	Male	92	94	90	85
	Female	108	139	154	166
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		768	836	804	823

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Bca	View Document
Biotechnology	View Document
Botany	View Document
Chemistry	View Document
Computer Science	View Document
Electronics	View Document
Mathematics	View Document
Microbiology	View Document
Physics	View Document
Statistics	View Document
Zoology	View Document

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>The K.L.E Society's P.C. Jabin Science College has implemented National Education Policy 2020 from the academic year 2021–22. The vision of the NEP-2020 is to develop good human beings capable of rational thought and action, possessing compassion and empathy, courage and resilience, scientific temper and creative imagination, with sound ethical moorings and values. It recommends the multi-disciplinary undergraduate programme with multiple exit and entry options. At present, the college offers 23 programmes in science disciplines under NEP-2020. In order to promote an interdisciplinary approach, the college introduced a school concept in the academic year 2021–22, which helped the students to grow horizontally in their desired streams. The college has introduced multidisciplinary courses like Financial Education and Investment awareness and performing arts so that students can select their choice of subjects and develop their intellectual, aesthetic, social, emotional, and moral values.</p>
2. Academic bank of credits (ABC):	<p>In 2017, the Government of India established the National Academic Depository (NAD) to validate the authenticity and safe storage of academic awards. In 2019, the K.L.E Society's P.C. Jabin Science College</p>

	<p>signed an MoU with CDSL Ventures Limited India and registered with NAD. However, according to UGC notification D.O.No.F.1-46/2020 (NAD/Digilocker), the college must register in Digilocker in order to deposit all academic awards. So, the college re-registered on Digilocker and encouraged outgoing students to do the same. The college has implemented NEP-2020 in the academic year 2021–22 with credit transfer provision; students can change their higher education institutes at any time during the programme. Students and colleges must register with the Unified University and College Management System (UUCMS) in order to use the credit transfer facility. The UUCMS will computerise all college activities, from admissions to academics, to examinations, to degree awarding, and all credit information will be stored. All first-year students have registered at UUCMS.</p>
3. Skill development:	<p>K.L.E. Society's P.C. Jabin Science College emphasises skill-based curriculum to prepare students to face the challenges of everyday life. The college has implemented CBCS and NEP, which include both hard and soft skill components. The college has signed an MOU with TIME, Rubicon, MIGIRI and Deshpande Skilling to provide skill development and entrepreneurship training. In NEP, Skill based courses are compulsory to all the enrolled students. Skill based courses are Discipline specific, Verbal and Non-verbal aptitudes, and communication. In addition, Career guidance and Placement cell conduct various capacity building programmes, which are mandatory to all students.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>The following initiatives are taken to implement Indian knowledge system: NEP-2020 was implemented from the academic year 2021-22 to promote more and more use of regional languages in education. As per the guidelines regional language Kannada was made compulsory in all programs. The teachers use both regional and English languages in teaching for an appropriate delivery of concepts. Students have an option to write the examination in the regional language. Hindi is offered as an optional language under Ability enhancement compulsory course (AECC) in all undergraduate programmes. The college also takes initiatives to arrange student's visits to historical monuments of north Karnataka. Multicultural Ethnic Days were celebrated to</p>

	showcase the culture of Karantaka.
5. Focus on Outcome based education (OBE):	Outcome Based Education was implemented from the academic year 2019-20 and onwards to meet out the vision and mission of the institution with well-defined Course Outcomes (CO), Programme Outcomes (PO) and Programme Specific Outcomes (PSO). The defined POs and PSOs are displayed on the notice boards of the respective departments, Library, website, Laboratories and Communicated to students through the handbooks. The POs, PSOs and COs are prepared following the Bloom's Taxonomy. The direct and indirect methods are used to estimate the level of attainment. Direct method includes the performance of students in continuous internal assessment and semester end examination. Indirect method includes students' feedback.
6. Distance education/online education:	The college has provided flexibility for the students to earn upto 40 % of the total credits through online mode under NEP-2020. Further, the college has introduced SWAYAM courses under CBCS to promote online education. College has signed MoU with ICT academy for online learnathon and skillathon courses. The college has motivated students to take online skill enhancement and certificate courses of their interest from the portals having credit based recognition like SWAYAM, NPTEL, MOOC'S etc. Faculty are encouraged to enrol for online MOOC and Faculty Development Programmes conducted by the MHRD teaching learning centers and HRD centers. During Covid-19 pandemic, online classes were engaged through Google meet, Google class room, Zoom, Teachmint and You-tube channel. Audio-Video recording centre was established to create digital content to look after the e-education needs of the learners.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs	Yes

are representative in character?	
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>An electoral literacy club is a platform to engage college students through interesting and innovative activities and hands on experience to sensitize them on their electoral rights and familiarize students with the electoral process of registration & voting. At electoral literary club, learning meets, innovative activities and games are designed to stimulate & motivate students provoking them to think and ask questions. By these activities we strengthen the culture of participation of young and future voters in the election process. Innovative and thought-provoking activities and games are undertaken in the class room. Students of all semesters are made members of the club so that the institution can promote electoral literacy amongst the students. Important objectives of Electoral Literacy Club in college are to educate students about voter registration, electoral process, familiarization of Electoral Voting Machine (EVM) & VVPAT and to create awareness about the value of their vote & exercise their right to cast in confident, comfortable & ethical manner. The institution encourages students to register their names in the electoral roll. Through this process, college assists the district election administration in creating awareness amongst students to cast their vote and to elect the government of their choice. Students should inculcate ethical values in their life and cast their vote without any expectations from any individual or political party. Voter awareness programmes are organized in few of our adopted villages under Unnat Bharath Abhiyan (UBA) & during NSS camps; our students are trying their level best to enhance participation of under privileged people of the society to take active role in the election process. They are contacting disabled persons and senior citizens to increase their participation in the democratic process of electing good representatives for their better future. National Voters Day is celebrated on 25th of January every year by organizing invited talks by eminent speakers, debates, essay competitions etc., Constitutional day is celebrated by taking oath to participate in the electoral process.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content,</p>	<p>Socially relevant initiatives have been taken by our college to enhance the participation of our students in electoral process and in turn protect democratic</p>

<p>publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>values. One wall magazine is being used to create and share electoral literacy information in an interesting, creative & engaging manner. Students are encouraged to participate in it. For this purpose, the board in a prominent part of the college would be used. This shall be called Electoral Literacy Club board. The board will display various contents related to electoral literacy which can be pasted or pinned or even painted.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>Efforts are being made by the college to enroll students as voters in the electoral roll. The mechanisms followed are • Creating awareness about significance of voting • Explaining importance of a single vote that would make path for better administration • Through students, their family members also are motivated to fulfill this national responsibility • Awareness about NOTA</p>

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2021-22	2020-21	2019-20	2018-19	2017-18
17	17	17	17	17
File Description		Document		
Institutional data in prescribed format		View Document		

1.2

Number of departments offering academic programmes

Response: 10

2 Students

2.1

Number of students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2139	2199	2074	1958	1670
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of outgoing / final year students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
678	594	542	467	344
File Description		Document		
Institutional data in prescribed format		View Document		

2.3**Number of students appeared in the examination conducted by the Institution, year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2058	2072	1972	1826	1561
File Description			Document	
Institutional data in prescribed format			View Document	

2.4**Number of revaluation applications year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
48	20	21	59	45

3 Teachers**3.1****Number of courses in all programs year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
577	435	352	355	355
File Description			Document	
Institutional data in prescribed format			View Document	

3.2**Number of full time teachers year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
110	87	110	103	93
File Description			Document	
Institutional data in prescribed format			View Document	

3.3

Number of sanctioned posts year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
110	87	110	103	94
File Description		Document		
Institutional data in prescribed format		View Document		

4 Institution**4.1****Number of eligible applications received for admissions to all the programs year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
768	836	804	823	703
File Description		Document		
Institutional data in prescribed format		View Document		

4.2**Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
583	556	556	556	556
File Description		Document		
Institutional data in prescribed format		View Document		

4.3**Total number of classrooms and seminar halls****Response: 37****4.4****Total number of computers in the campus for academic purpose****Response: 343**

4.5**Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
144.77129	168.39185	284.21	405.4212	449.4592

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.

Response:

The college was established with the vision of imparting education to the people of North Karnataka. The primary goal is to deliver high-quality education tailored to individual needs and to increase employability via a globally competent curriculum. The Institute functions under autonomy and offers programs that are need-based, industry-relevant and society-driven. The college assesses the needs of society through the inclusion of alumni, industrialists and subject experts on the Board of Studies and Academic Council and interactions with members of the local communities through outreach programmes and extension activities. In addition, UGC-National Curriculum Framework and Guidelines, Karnataka State Council of Intermediate and Higher Education (KSCIHE), World Economic Forum (WEF), United Nations Sustainable Development Goals (UN SDGs 2030) and National Educational Policy (NEP 2020) are taken into account to frame and update the curriculum. Based on the resurgence, relevance and requirements of needs to be addressed, Course Outcomes (COs), Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) are prepared which reflect the relevance of curriculum to Local, Regional, National and Global Arenas

The Institute regularly reviews and revises the syllabus as per the needs of the stakeholders. The process includes major curriculum revisions once in every three years for UG and PG programmes. Prior to the change, departmental level meetings are conducted for the analysis of the inputs collected from various stakeholders and draft will be prepared. This approach aids in the identification of local, regional, national and global needs while residents of Unnat Bharat Abhiyan (UBA) adopted villages help in the identification of neighbourhood needs.

The drafted curriculum is subsequently placed before the statutory body for the approval. Board of Studies then deliberates on the draft and approves the syllabi. The Academic Council corroborates the syllabi of various departments after thorough deliberation. Finally, the minutes of the Academic Council are presented before the Governing Body for approval.

In 2020, with an aim to consolidate the perspectives of job and self employment, the college initiated provisions of cross disciplinary exposures by the institutionalisation of school system. In addition, to promote multidisciplinary courses, the New National Education Policy-2020 was implemented from the academic year 2021-22. It includes multiple exit and entry, multidisciplinary courses, Compulsory Internship, Project work and Swayam courses, Skill Based Electives, Value based courses, Core Electives, choices in core subjects in selected departments and extra-credit courses that ensure the relevance of the curriculum to meet the dynamic needs of society at large.

POs of programmes addressing local, national, regional, and global needs are:

Bachelor of Science & Master of Science (all Programmes)

- Public health, safety, cultural, societal and environmental considerations (local).
- Assess societal, legal and cultural issues and capability to effectively engage in a multicultural society (local).
- Identify and create business opportunities (National/Global).
- Societal and environmental contexts and the need for sustainable development (National/Global)

Bachelor of Computer Application -

- Effectively manage business challenges (local)
- Blend analytical, logical and managerial skills with the technical aspects to resolve real world issues (National/Global)

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

Response: 100

1.1.2.1 Number of all Programmes offered by the institution during the last five years.

Response: 17

1.1.2.2 How many Programmes were revised out of total number of Programmes offered during the last five years

Response: 17

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Details of program syllabus revision in last 5 years(Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years**Response:** 95.29**1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years..**

2021-22	2020-21	2019-20	2018-19	2017-18
516	418	338	346	346

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship(Data Template)	View Document
Link for Additional Information	View Document

1.2 Academic Flexibility**1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.****Response:** 34.98**1.2.1.1 How many new courses are introduced within the last five years**

Response: 298

1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.

Response: 852

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Link for Additional Information	View Document

1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).

Response: 100

1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 17

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

The College in its pursuit of academic excellence and holistic development of students, has positively integrated cross-cutting issues of national concern without fragmenting or overloading its curriculum. The curriculum for Under-graduate and Post-graduate programmes is responsive to the collective challenges faced by society and Departments have incorporated issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics within the framework of curriculum, sensitizing students on these issues.

Gender

Gender education is used as a tool for the promotion of national identities which enhances the privileges of females in the society. The awareness and the merits of gender equality in society is strengthened and promoted in our educational programs. Equal opportunities are given to both the genders in terms of training, sports, cultural activities etc., hence gender is not an issue in the campus. Ours being co-education college, girls and boys together participate in all activities. The programs done by Women Empowerment Cell also aid in promoting Gender Equality in and out of the campus. The primary objective is to enable students understand the cultural and social construction of gender and also examine the history, experiences, and contributions of women to society.

Environment and Sustainability

Any academic discipline is incomplete without environmental studies, as it instills a moral obligation to protect the environment giving a sense of hope for the future. The curriculum instills the importance of the homeostasis between the quality of life and environment in students. Our students are environmentally conscious, as a result the campus is lush green and free from plastics. Environment and sustainability concerns are addressed in **74** courses

Human Values

Committed to the vision of selfless service towards the society, several extension activities are made an integral part of the educational process for grooming morally righteous, professionally competent and confident leaders with right knowledge, skills and values. The College fosters humane values and social responsibility among the students through the activities undertaken by NCC, NSS, YRC, Women Empowerment Cell and departmental associations. The curriculum draws the attention of the students towards humanism, happiness, well-being, altruism and peace. Students are guided through the positive intents in **24** courses.

Professional Ethics

As part of equipping students with career skills, professional ethics is given due importance in the curriculum. In the competitive world witnessing diverse changes in the educational system, a stress on professional ethics is the need of the hour. A teacher plays a vital role in nation building by creating good quality human resource, responsible citizens, socialized individuals and creative personalities. The knowledge of professional ethics helps to work with commitment, dedication, sincerity, honesty and integrity ultimately building a strong nation. In this regard programs related to professional ethics are regularly conducted in the campus and students are guided through **17** courses.

The curriculum of the institution subtly reinforces the significance of right perspectives on gender, the imperative of environment safeguard, the necessity to practice human values in everyday living and the importance of maintaining professional ethics in one's life and career.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	View Document
Link for Additional Information	View Document

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

Response: 82

1.3.2.1 How many new value-added courses are added within the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
30	14	9	10	19

File Description	Document
List of value added courses (Data Template)	View Document
Brochure or any other document relating to value added courses	View Document
Link for Additional Information	View Document

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

Response: 33.88

1.3.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1907	596	167	232	555

File Description	Document
List of students enrolled	View Document
Any additional information	View Document
Link for Additional Information	View Document

1.3.4 Percentage of students undertaking field projects/ internships / student projects (Data for the latest completed academic year)

Response: 86.49

1.3.4.1 Number of students undertaking field projects / internships / student projects

Response: 1850

File Description	Document
List of programs and number of students undertaking field projects / internships / student projects (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

1.4 Feedback System

<p>1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni</p> <p>Response: A. All 4 of the above</p>	
File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as minuted by the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document
Link for Additional Information	View Document

<p>1.4.2 The feedback system of the Institution comprises of the following :</p> <p>Response: A. Feedback collected, analysed and action taken and report made available on website</p>	
File Description	Document
Any additional information	View Document
Link for Additional Information	View Document
URL for stakeholder feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 70.49

2.1.1.1 Number of students admitted year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
768	836	804	823	703

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1165	1105	1105	1105	1105

File Description	Document
Institutional data in prescribed format (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 76

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
437	429	416	424	427

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

The Institute brings together students with diverse backgrounds and learning abilities which poses challenges as divergent grasping power. The College caters to these disparities in effective ways and ensures that all students achieve the best possible results.

In this direction, a streamlined mechanism is adopted for the assessment of learning levels of students. Identification and classification of students is done on the basis of their performance in previous examinations, current internal examination, interactions in the class room and laboratory. Their learning levels are classified in two groups; advanced learners and slow learners.

Following measures are taken to enhance the learning level of all students:

- The College organizes orientation programmes in the beginning of every academic year to create a better learning environment. This helps students acquaint with the Society, Institution, Library, Examination System, Code of Conduct, Co-curricular activities, and others.
- The College has an effective mentoring system wherein faculty members assist students with personal and academic challenges. They also counsel them to overcome anxiety and psychological problems, if any. Also Personality Development sessions are conducted to motivate and build confidence.
- Continuous internal assessments such as regular tests, assignments and seminars help students progress consistently. Co-curricular activities like Group Discussions, Case Studies, Quizzes, Swayam courses and Model exhibitions ensure an interactive teaching-learning process amongst students.
- Experienced faculty members provide intensive coaching for competitive examinations. Workshops, seminars and industrial visits are planned to provide students with hands-on experience. Alumni of the college regularly update students on current opportunities through special lectures.

Measures in force for advanced learners:

- Students are encouraged to participate in group discussions, quiz, PowerPoint and project presentation to develop analytical and problem solving abilities.
- Seed money is provided to inculcate research culture and students are encouraged to present their research work in National and International conferences.

- Advanced learners are encouraged to provide clarity of the concepts through Peer teaching and Poster presentations.
- They are also encouraged to engage in certificate and value added courses offered by the College.
- Advanced learners are motivated to take up SWAYAM courses and Swachh Bharat Summer Internship Programmes.
- Students are awarded for curricular, co-curricular and extra-curricular achievements along with appreciation awards for their extraordinary contributions in the conduct of various extension activities. Meritorious students are also felicitated by Cash prizes and Gold medals

Measures in force for slow learners:

- Bridge Courses are organized for first generation learners with an objective to facilitate and strengthen the foundations of the courses, enabling them to cope with the curriculum.
- Remedial lectures, tutorials are conducted to assist slow learners with one-to-one attention that helps them understand the concepts. Notes and Question banks are also provided.
- Bilingual explanation for students as per the requirement outside the class hours
- The Institute periodically organizes Parent-Teacher Meetings to communicate student performance.

EVIDENCE OF SUCCESS

- Improved academic performance of slow learners.
- Student involvement and participation in various academic and extra-curricular activities.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)

Response: 19:1

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

The holistic development of students is ensured through pillars of Knowledge, Skills, Values and Attitude. Students are empowered through experiential learning approaches, participative learning techniques and problem-solving methods that enable learners to apply theoretical knowledge to practical endeavours in a multitude of settings. In order to provide effective teaching learning experience and improve learning outcomes, the institute adopts systems that promote and provide endless possibilities for intellectual, physical, social and career prospective for students in addition to traditional lecture methods.

The institution has designed programmes, teaching-learning techniques and evaluation process through academic flexibility offered by Autonomy, Choice-based Credit System and Outcome Based Education that adopt various student-centric methods making the teaching learning process interesting, innovative and effective. The curriculum is also designed to meet sustainable development goals 2030.

Experiential Learning Methodologies

- Experiential learning methods such as Survey Based Projects, Lab Sessions, Model-making, Web Designing for Digital Marketing, Networking, Software Application Development, Role Play etc., help in Effective student engagement and knowledge creation, also develop technical competency
- Visits to companies, historical sites, tourism destinations, research institutes, institutions of eminence complement classroom learning with real-time experience. Also Visits to old age homes, blind ashrams etc., inculcate moral ethics
- Projects, internships and social surveys aid in building analytical skills in students
- Science exhibitions serve as avenues to showcase learning experiences
- Creativity and innovation are fostered through photography club and article publications.
- Cultural activities help in exploring the hidden talents whereas extension activities assist to realize the importance of nation building

Participative Learning Techniques

- International and national conferences, seminars, workshops and interactive lectures are modalities of participatory learning
- The college employs interactive participative learning through discussions, debates and presentations while student seminars nurture shared learning
- Peer teaching deepens understanding of concepts through real-time examples and help develop responsible and autonomous learners.
- Through role plays and skits students are simulated towards real life situations
- NCC, NSS, YRC activities help students learn art of living in social and community welfare and foster spirit of team work.

Problem Solving Methodologies

Problem-solving methodologies enhance learning outcomes of students by increasing attentiveness of learner, better understanding of concepts and application of domain knowledge to resolve real-life problems.

- Assignments, quizzes, Internship, Online Certification Courses (MOOCS) etc., develop logical reasoning and problem solving skills
- Brainstorming sessions identify diverse solutions paving ways for effective decision making
- Mandatory Project work in PG courses exposes students to logical thinking, enhances practical

knowledge and problem solving ability

- Presentation of Research work at National and International platforms
- Program writing and execution, circuit designing enhances analytical, technical and application skills.
- Classroom learning is assessed through software/application development
- Case study analysis helps to solve individual and organizational problems

EVIDENCE OF SUCCESS

- Field trips and industrial visits help in application oriented knowledge of concepts learnt in classroom
- Enhanced critical thinking and research orientation

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

Response:

ICT Enabled Teaching ensures effectiveness in Teaching-Learning Process thereby having paradigm shift from teacher-centric approach to student-centric approach. Traditional and ICT backed teaching help in achieving curriculum objectives/outcomes to a maximum extent. Hence the Institution gives top priority to bring in cutting edge technology and devices in order to enhance learning experiences. An e-learning environment is created in the classrooms and laboratories using projectors and smart boards. All the faculty members creatively utilise ICT tools right from course plan preparation till assessment for every course.

In addition to the chalk and talk method of teaching, faculty members use IT-enabled learning tools such as Microsoft Team, Google Classroom, Google Meet, streamlined and Teachmint to manage coursework such as Assignment, presentations, Quiz and so on. Faculty members record and upload lectures on YouTube channels and classrooms in order to acquire competence. Institute has also licensed Zoom and Microsoft Teams platform with varied capacities for classes, academic mentoring, webinars, FDPs, virtual conferences, and training programmes. Also, students are encouraged to use various e-learning resources available in the libraries (e-Books, e-newspapers, e-journals, digital library and INFLIBNET's N-LIST, DELNET).

Google Classroom is used to streamline and strengthen the student connectivity to learning material, work plan and assignments anywhere anytime. Google Form is used to conduct online quizzes and data collection for surveys. MATLAB is used for fitting curves and surfaces to data and students are expected to perform exploratory data analysis, preprocessing and post-processing of data. Computational techniques in Chemistry a value-added course enables students to employ software's to solve the chemistry problems.

The institution is a local chapter for NPTEL and encourages faculties and students to enrol for eLearning courses like NPTEL and Swayam to cope with updated technologies. The credits of the courses are added to the total credits to fulfil the criteria of graduation. Institutional linkages with ICT Academy, Bosch, Honeywell, and Rubicon have facilitated online skilling certifications. In an experiment with flipped classrooms, students were asked to watch the videos uploaded in the YouTube channels and Google drives and later the topic was discussed which helped in creating an opportunity for better understanding and healthy interaction with the students. At the end of the semester, course and faculty wise feedback are obtained from the students and analysed through Google Forms.

EVIDENCE OF SUCCESS

- Classrooms with well equipped ICT facilities enabling efficient teaching learning process. Also use of Online classes, Guest lectures and Expert talks through various video conferencing applications has helped in encouraging digital learning
- As part of E-Learning, students give power point presentation and assignments which encourages Internet based research
- Usage of e-resources, PPTs, You Tube videos, website links, e-reference books by the faculty in the teaching process. Flipped classrooms, Google Classroom, interactive educational games and puzzles (Kahoot), online certification courses (MOOCS) have made learning student-centric.

File Description	Document
Any additional information	View Document
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	View Document
Link for Additional Information	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 25:1

2.3.3.1 Number of mentors ?????????????? ????????

Response: 84

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll	View Document
Circulars pertaining to assigning mentors to mentees	View Document
Link for additional information	View Document

2.3.4 Preparation and adherence of Academic Calendar and Teaching plans by the institution

Response:

The institution has systematic practice of preparing and following the academic schedule in teaching-learning process. The teaching pedagogy encompasses values, integrates ICT, nurtures global competencies and promotes national development with a quest for excellence. The Academic Calendar consists of two semesters and events are prepared by IQAC in consultation with the Principal, Heads of departments, Vice President of the College Forum and Gymkhana. The commencement and end date of the semester are in line with academic calendar of parent university. Each semester consists of 16 weeks including Continuous Internal Assessment process therefore the calendar consists of details of beginning of working day, schedule of three Continuous Assessment Tests, commencement of practical examination, semester end examinations and date for registration to examination. Prior to the preparation of the academic calendar, series of meetings are held to finalize semester wise activities for the year. The academic calendar includes schedules for teaching-learning-evaluation, departmental activities, national festivals, commemorative days and public holidays. All mandatory information about the institution for implementation and smooth functioning are included.

A copy of the Academic Calendar is displayed on the Notice Board and website and the college handbook containing the academic calendar is issued to every member of the institution. The Heads of the Department have an important role in implementing the activities planned in the college calendar. The Principal, IQAC Coordinator and Controller of Examination supervise the overall implementation. Any changes in the college calendar are discussed and finalized in HoD meetings after taking into consideration the circumstances demanding such changes.

Adherence to Academic Calendar and Teaching Plans:

The faculty meetings conducted before the commencement of academic year includes reviewing activities of previous year and preparing departmental calendar of events for the next academic year. It incorporates major events such as Conferences, FDPs, Workshops, Training programmes, Field visits and extension activities.

In accordance with the Academic Calendar of Events, the convener and members of time table committee prepare centralized time table before the commencement of the every semester and circulate to all departments, display on notice board and website. Every department prepares departmental time table in connection with it. Course allocation is done considering faculty preferences and expertise. Faculties prepare Lesson plan and teaching plan of their respective course and submit to head of the department for approval before commencement of every semester. The approved Lesson plan and teaching plan is displayed on departmental notice boards and further submitted to IQAC.

Faculty members maintain work diary to record classroom lessons, pedagogy used, research, and administrative activities on a daily basis. The Principal's periodic review of the diary serves as a control mechanism for efficient execution of teaching plan.

EVIDENCE OF SUCCESS

- Preparation of Calendar of Events well in advance and strict adherence to it by all the departments help for smooth functioning of all the events of the college and nurtures holistic development of

students.

File Description	Document
Upload Academic Calendar and Teaching plans for five years	View Document
Link for Additional Information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 99.79

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Link for Additional Information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 31.96

2.4.2.1 Number of full time teachers with *Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.* year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
34	30	40	31	26

File Description	Document
Institutional data in prescribed format (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)**Response:** 4.87**2.4.3.1 Total experience of full-time teachers**

Response: 536

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.5 Evaluation Process and Reforms**2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years****Response:** 36.07**2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
42.46	25.16	35.11	36.18	41.43

File Description	Document
Institutional data in prescribed format (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**Response:** 2.1**2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
48	20	21	59	45

File Description	Document
Number of complaints and total number of students appeared year wise	View Document
Link for Additional Information	View Document

2.5.3 IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in Examination Management System (EMS) of the Institution

Response:

The institution has a well-established Examination section. The college management system and examination process are well-defined and technologically updated. All the pre and post semester end examination process viz., registration of students and courses, generation of hall tickets and OMR sheets, scanning of marks, grading and grade memo generation are implemented through automated software. A detailed Standard Operating Procedure is followed with a defined route map to ensure rigor and maximum efficiency for smooth conduct of Examinations. The Examination Time Table is prepared as per the Almanac. An Orientation Programme on the Examination system and procedures to be followed in the institution is conducted for the students at the beginning of every Academic year.

The examination process is completely automated with a Centralized Examination Committee with

Timely conduct of examination and announcement of results including maintenance of transparency in the Seating arrangement and invigilation for internal assessment tests and semester end examinations through Examination Management System has created a positive culture in the campus. Question Papers set by both internal and external faculty members are scrutinized by subject experts/head of the department ensuring high standards in evaluation as well as it ensures greater spread of the syllabus along with maintaining its standard and quality. High speed and zero error printing are ensured through dedicated digital printing machinery. Chief Examiners are appointed for the Examination and Evaluation process. Flying squad consists of department heads, senior faculty members who are assigned to inspect the transparency and fairness in examination for each session of the examination Systematic planning and scheduling of SEE is done through Crystal reports software ensuring green initiative - paperless environment, hassle free and basically saving time.

Online fee payment and filling up of exam applications has enhanced the accuracy in forms filling. Also the processing of application forms and fees has become speedy. Hall tickets are made available online with an aim to save time and resources of students as commuting is avoided. It also avoids issue of duplicate copies of printed Hall Tickets.

The accuracy of Continuous Internal Assessment (CIA) marks is maintained by facilitating its online entry.

All the answer papers are bar-coded and scanned using Fujji Digital Scanner which allows maintenance of confidentiality; safe and secure storage of answer scripts. These Bar-coded digital answer scripts are evaluated by internal and external examiners accounting for Accurate and faster evaluation, minimizing totaling error.

The results of Semester End Examinations are announced through the college website which is a green initiative. The marks cards of UG and PG programmes have been encrypted with 12 security features avoiding any sort of duplication. Revaluation and answer sheet transparency facilities are available for the students to secure revaluation benefits.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

Being an autonomous college, the principle outcome of K. L. E Society's P. C. Jabin Science College is the attributes of its graduates who are expected to reach their full potential whether as global citizens or as leaders in an internationally competitive environment. The PCJ Academic Council has therefore adopted a clear statement of Graduate Attributes aimed at: providing an anchor to the students by clarifying the essence of their programme of study.

Graduate Attributes:

The graduate attributes are derived from the vision, mission and goals of the institution. The Programme Outcomes [POs], Programme Specific Outcomes [PSOs] and Course Outcomes [COs] endeavour to attain the graduation attributes. The POs, PSOs and COs are designed as per Bloom's Taxonomy and COs are mapped to POs and PSOs. The POs, PSOs and COs are displayed on the website and communicated to faculty members and students.

PCJ graduates are expected to have the following attributes:

- A deep knowledge and understanding of their subject areas, research and other skills associated with the programme of study they have successfully completed.
- Transferable skills including team building and leadership skills, communication and problem-solving skills suitable for a variety of fields of employment.
- The capacity to take up their social and civic responsibilities relating to the environment and the society.
- Adherence to highest standards of ethical behaviour.

- The capacity to employ innovative and creative pedagogy in self-reflection and lifelong learning.

Formulation of POs, PSOs and COs:

POs and PSOs were formulated after series of meetings with Principal, IQAC members, HoDs and faculty members. Faculty training programmes were conducted to design POs, PSOs and COs as per Bloom's Taxonomy. The POs, PSOs and COs formulated are approved in the Board of Studies and Academic Council.

Communication of POs, PSOs and COs:

Once approved by competent authorities POs, PSOs, and COs are displayed and communicated by the institution through prominent online and offline media.

- The POs, PSOs, and COs are communicated via the institutional website www.jabincollege.com and the department webpage.
- POs are kept at prominent places of the campus and also displayed on digital screens.
- The COs of all courses are communicated through syllabus copy.
- The Student Handbook consisting of the Programme Syllabi contains POs, PSOs and COs. It communicates the outcomes to all stake holders.
- POs and PSOs are also communicated during the orientation programme to the first-year students at the beginning of the semester.
- Conduct of Faculty Training Program on Outcome Based Education to disseminate information on designing, mapping and attainment of outcomes.
- Conduct of Faculty orientation programme to communicate the POs and PSOs.
- Department level meeting to formulate Course Outcome and to finalise attainment methods.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

Assessment of the POs, PSOs and COs is done through direct and indirect methods. The details of the

methods are as follows:

Direct Method:

Every course has two assessment components: formative assessment via Continuous Internal Assessment (CIA) and summative assessment via the Semester End Examination (SEE). Grades obtained in CIA and SEE are used as direct measures of attainment of COs. The graduate programmes follow a Choice Based Credit System (CBCS). The weightage given to CIA and SEE is 30% and 70%, respectively.

Evaluation of attainment of POs through the direct method is carried out as follows:

- The grades obtained in each course are indicative of the degree of attainment of the COs for that course.
- The programmes are graded as follows: Each course in the undergraduate curriculum includes seven grades: O, A, B, C, D, P, F, and Ab. The grades "F" and "Ab" denote a student's failure and absence, respectively. The performance indicators of the final result are Outstanding, Excellent, Very Good, Good, Fair, and Pass on the cumulative grade point average.
- In the PG programme, each course is graded A, B, C, and D. The grade D denotes a student's failure in a course. The performance indicators of the final result are Outstanding, Excellent, Very Good, Good, Fair, and Pass on the cumulative grade point average.
- A grade point average (GPA) is a measure of a student's overall grade point average (GPA) over all semesters.

Indirect method

Indirect measurements include stakeholder feedback and student performance in extracurricular and curricular activities. Course Feedback is collected from the teacher for all the courses. Graduate Exit survey is collected from the final-year students to assess the attainment of POs and PSOs.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Pass Percentage of students(Data for the latest completed academic year)

Response: 94.69

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 678

2.6.3.2 Total number of final year students who appeared for the examination conducted by the Institution.

Response: 716

File Description	Document
Upload List of Programmes and number of students passed and appeared in the final year examination(Data Template)	View Document
Any additional information	View Document
Link for the annual report	View Document
Link for additional information	View Document

2.7 Student Satisfaction Survey**2.7.1 Online student satisfaction survey regarding teaching learning process**

Response: 3.97

File Description	Document
Upload database of all currently enrolled students	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution's Research facilities are frequently updated and there is a well defined policy for promotion of research which is uploaded on the institutional website and implemented

Response:

Research in any discipline is an ongoing process of enhancing the existing knowledge by exploring new frontiers that challenge the human quest for innovation. It is an important parameter in any institution. In P. C. Jabin Science College, special emphasis is given to complement and enhance the quality of teaching and research. Research is an integral component of the institutional academic strategic plan. The college's vision and mission also emphasises on the need to inculcate a research temper among the stake holders and efforts are made to foster this culture. With this view, a well-structured research policy has been formulated by the Research Advisory Committee and approved by the Governing body of the college.

Research Advisory Committee:

The Research Advisory Committee makes significant efforts to improve research capacity at the institutional and departmental levels. Policy development, implementation, and evaluation are the integral responsibilities of the Research Advisory Committee. The prime focus is to promote research culture among the faculty members and students by evolving research policies and guidelines

Research Facilities and Updation:

In order to keep up with international and national standards, the institution's research facilities are constantly being updated. On par with industry requirements, the laboratory facilities are continuously improved.

Research Promotion Policy:

Research policy of the college ensures both basic and applied scientific research with a societal and global perspective. Further, it also ensures consultancy and outreach programmes to enhance scientific contributions and temper. The defined research policies of the college include:

- To ensure creation of adequate research facilities using the financial assistance from various funding agencies by every department.
- To aim for having atleast one sponsored research project per faculty
- To present research findings in international/national level seminars/ conferences on regular basis.
- To submit (Principal Investigator) half yearly progress report and final project report to the research committee as well as sponsoring agencies.
- To explore the possibility of MoUs, collaborations and linkages with industries, Research institutes, GOs and NGOs.
- To publish research articles in peer reviewed journals with good impact factor.

Implementation of Research Promotion Policy:

- Institution provides seed money to conduct Research for students' and faculty members through Alumni association.
- Faculty members are encouraged to apply for research projects from various funding agencies.
- Organization of various workshops/seminars/conferences at National and International level to improve the standards of research of the faculty members and students.
- Conduct of awareness programs on research related ethical and legal issues.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
Any additional information	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

Response: 0.38

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
0.86439	0.20294	0.2845	0.0229	0.5283

File Description	Document
Minutes of the relevant bodies of the Institution	View Document
List of teachers receiving grant and details of grant received	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View Document

3.1.3 Percentage of teachers awarded national / international fellowship for advanced studies/research during the last five years

Response: 0

3.1.3.1 The number of teachers awarded national / international fellowship for advanced studies / research year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description**Document**

List of teachers and their international fellowship details

[View Document](#)**3.2 Resource Mobilization for Research****3.2.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)****Response:** 1.65**3.2.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0.75	0.45	0.45	0	0

File Description**Document**

List of project and grant details

[View Document](#)

e-copies of the grant award letters for research projects sponsored by government and non-government

[View Document](#)**3.2.2 Percentage of teachers having research projects during the last five years****Response:** 0.8**3.2.2.1 Number of teachers having research projects during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2	1	1	0	0

File Description	Document
Names of teachers having research projects	View Document
Link for additional information	View Document

3.2.3 Percentage of teachers recognised as research guides

Response: 0

3.2.3.1 Number of teachers recognized as research guides

File Description	Document
Upload copies of the letter of the university recognizing faculty as research guides	View Document

3.2.4 Average percentage of departments having Research projects funded by government and non-government agencies during the last five years

Response: 8

3.2.4.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2	1	1	0	0

3.2.4.2 Number of departments offering academic programmes

2021-22	2020-21	2019-20	2018-19	2017-18
10	10	10	10	10

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Paste link to funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations, creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, Incubation etc.

Response:

K. L. E Society's P C Jabin Science College serving students from all strata of society, has created an environment for innovations and transfer of knowledge.

The Institution Innovation Council (IIC) was approved by Innovation Cell, Ministry of Education, Government of India to kindle innovation and start-ups. The major focus of IIC of the institute is to create a vibrant local innovation ecosystem, start-up supporting mechanism, establish functional ecosystem for scouting ideas and pre-incubation of ideas.

The institution through its Entrepreneurship Cell caters towards creating entrepreneurs stepping towards a self-sustainable society. The value-added courses offered by the institute also serve as an add-on in this regard. Some of the students have taken a step towards building their career through these courses. Opportunities are provided to students to develop and polish their communication skills and trained for effective conflict management through mentoring system.

Research cell plays a pivotal role in engaging faculty, researchers and students in research, conducts workshops and seminars at National and International level on relevant topics to enlighten its stakeholders and improve the standards of research. Institute provides seed money for students and staff to conduct research.

Three Patents have been awarded to two faculties of the institution for innovation in their field of research.

Extension services organized by the college provide community orientation and transfer of knowledge through lab to land, training, outreach and social campaigns. It also tries to create a conducive environment for the application of scientific thought into action in real time world and encourage them to think globally and act locally.

Innovation Knowledge Transfer Activities:

- The institution provides the platform for innovations and encourages talented minds towards research and community services. Efforts are made to popularize basic science by taking science to the rural places.
- The institution provides opportunity for students in need to have a source of income through Earn While You Learn Scheme.
- Seed money is granted to the students and faculty to pursue their research interests and publish the research articles in peer reviewed journals. The Research cell annually reviews the project proposals and provides suggestions.
- Students are encouraged to participate in the science exhibitions, national and international conferences.
- Workshops on Intellectual Property Rights are conducted to enlighten the young minds and bring awareness on patents and copyrights.
- Initiatives to organize awareness programmes on hygiene, cleanliness, environment conservation in the society.

The College offers an enriching experience to each of its stakeholders so that they turn out to be a holistically developed community that would be sensitive to the needs of the society and as responsible citizens contribute constructively to make this world a better place.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

Response: 55

3.3.2.1 Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
24	13	9	7	2

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document

3.4 Research Publications and Awards

3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee

Response: B. 3 of the above

File Description	Document
Any additional information	View Document
Link for additional information	View Document

3.4.2 Number of Ph.D's registered per teacher (as per the data given w.r.t recognized Ph.D guides/supervisors provided at 3.2.3 metric) during the last five years

Response: 0

3.4.2.1 How many Ph.Ds are registered within last 5 years

3.4.2.2 Number of teachers recognized as guides during the last five years

File Description**Document**

List of PhD scholars and their details like name of the guide , title of thesis, year of award etc

[View Document](#)**3.4.3 Number of research papers per teachers in the Journals notified on UGC website during the last five years****Response: 1.5**

3.4.3.1 Number of research papers in the Journals notified on UGC website during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
49	24	36	31	11

File Description**Document**

List of research papers by title, author, department, name and year of publication

[View Document](#)

Any additional information

[View Document](#)**3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last five years****Response: 1.01****3.4.4.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
15	4	17	44	22

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4.5 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed

Response: 6.72

File Description	Document
Bibliometrics of the publications during the last five years	View Document
Any additional information	View Document

3.4.6 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 16.5

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document
Any additional information	View Document

3.5 Consultancy

3.5.1 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 15

3.5.1.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	15	0	0

File Description	Document
List of consultants and revenue generated by them	View Document
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View Document
Any additional information	View Document

3.5.2 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs).

Response: 9.5

3.5.2.1 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
0	9.50	0	0	0

File Description	Document
List of training programmes, teachers and staff trained for undertaking consultancy	View Document
List of facilities and staff available for undertaking consultancy	View Document
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View Document

3.6 Extension Activities

3.6.1 Extension activities are carried out in the neighbourhood community, -sensitising students to social issues, for their holistic development, and impact thereof during the last five years

Response:

Institution provides quality education to students of all creeds and emphasizes on development of social concern. It strives to develop intellectual powers of students and train them to be responsible citizens. The learning process and experiences are geared to liberate, transform and empower the learner and the learned. National Cadet Corps (NCC), National Service Scheme (NSS), Youth Red Cross (YRC), Unnat Bharat Abhiyan (UBA) and departmental associations organize a number of extension activities in the

neighbourhood communities to sensitise students towards community issues and enable them to extend their services to society. Participation in community initiatives helps complement their academic learning experiences with real life examples

The faculty and students aim at helping people to help themselves and are sensitized on their social responsibilities, environmental awareness and citizenship roles through participation in community development and awareness programmes like health and hygiene gender sensitization, medical and blood donation camps, environmental awareness, visits to orphanages, homes for Aged and destitute, mentally and physically challenged etc., Students are also encouraged to represent college for in such programmes/ activities outside the campus.

The activities conducted lead to imbibing values of social responsibility such as:

1. To help people in need and distress; share the need of under privileged children
2. To promote cleanliness on/off the campus, acquire social values and a deep interest in environmental related issues
3. Develop passion and brotherhood towards community, affected people/animals and destitute

Extension Activities and Impact:

Scheme	Activities	Impact
NSS	<ul style="list-style-type: none"> • Annual seva day camps • Awareness programmes: Swachh Bharat Abhiyana, water conservation, environmental protection, Beti Bacho Beti Padhao, National Integrity and AIDS • Blood donation and Health camps; Farmers meet. 	<ul style="list-style-type: none"> • Fosters neighborhood network • Generates Social responsibility
NCC	<ul style="list-style-type: none"> • Tree plantation, Road safety awareness, Ekta daud for health, save fuel save country programme, Swachhta Abhiyan, National equality awareness. • Plastic eradication, No vehicle day, Jananisuraksha, 	<ul style="list-style-type: none"> • Builds Discipline, character formation, patriotism • Motivation to join armed forces • Representation in national and international youth camps
YRC	<ul style="list-style-type: none"> • Blood group detection, Blood donation, Health and Dental camps 	<ul style="list-style-type: none"> • Generates Health

		<p>awareness in the rural community</p> <ul style="list-style-type: none"> • Promotes Social sensitization
Unnat Bharat Abhiyan 2.0	<ul style="list-style-type: none"> • Health awareness programs in UBA adopted villages • Health camps • Say No to Plastic • Study Solar Lamp Project • JalaShakti Abhiyan (Water Conservation And Management) • One Student-One Tree Campaign 	<ul style="list-style-type: none"> • Generates Social responsibility • Endorses Environmental protection • Village Development • Builds Sensitization about socioeconomic issues of rural India
Departmental Association	<ul style="list-style-type: none"> • Community Hygiene • Waste Management • Village Sanitization • Pesticides uses and management • Nirmalya Bharath • Awareness on Organ Donation • Renewable Energy Sources 	<ul style="list-style-type: none"> • Building inclusive India • Promotes Environmental protection • Promotes Social Sensitization
Outreach programme	<ul style="list-style-type: none"> • Visits to old age homes, blind ashrams, and mentally disabled children's home. • Distribution of food kits during COVID-19 pandemic. 	<ul style="list-style-type: none"> • Develops understanding of needs of underprivileged • Develops a passion and brotherhood towards community
File Description	Document	
Upload Any additional information	View Document	
Paste link for additional information	View Document	

3.6.2 Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognised bodies during last five years**Response:** 23**3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
4	6	4	4	5

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**Response:** 221**3.6.3.1 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
126	52	22	16	5

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

Response: 69.08

3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
2139	1418	1603	1737	249

File Description	Document
Reports of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work

Response: 15.8

3.7.1.1 Total number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work

2021-22	2020-21	2019-20	2018-19	2017-18
22	21	36	0	0

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document

3.7.2 Number of functional MoUs with institutions of national, international importance, other institutions, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 17

3.7.2.1 Number of functional MoUs with institutions of national, international importance, other Institutions, industries, corporate houses etc. year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
8	1	2	2	4

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other Institutions etc during the last five years	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

The KLE Society's P.C. Jabin Science College, Hubballi, ensures adequate facilities for teaching-learning, augments its infrastructural facilities according to the growing needs of the institution and strives to create a conducive academic ambience. Adequate infrastructural facilities are available and are upgraded for effective teaching-learning and holistic development of the students.

The college has 25,642.28 square meter built-in area, which has been partitioned into 8 Blocks, with an adequate parking facility. The building has one lift, a ramp and 18 restrooms exclusively for males and females. Accessibility to all floors is provided through broad staircases and corridors. The Institution has well-equipped classrooms with LCD projectors, laboratories, computer labs, seminar hall, central and departmental libraries. There are 343 computing systems with round the clock 100 Mbps bandwidth internet facility in the campus.

The Institution follows ICT enabled practical oriented, learner-friendly modes of instruction to make teaching-learning practical and student-friendly. To facilitate co-curricular and cultural activities, the college has an auditorium and a seminar hall with plug and play facility to cater to the needs of the audio-visual necessity of the events. The seating capacity of seminar Hall is 100 while auditorium is 200. The college central library is well modernized with a digitized database and Remote Log access to e-resources.

The library is enriched with a large section of reference books, issue books and e resources. To make learning practical and research-oriented, the college laboratories are well equipped and timely upgraded with multiple sets of apparatus and instruments. To carryout research activities 05 research laboratories are available with instruments for promoting research in the field of life science and physical sciences. Additionally, the college has a language laboratory to engage students to actively participate in language learning activities. Available physical infrastructure is optimally utilized beyond regular teaching to carry out research projects, certificate courses, co-curricular activities, proctor meetings and placement training classes etc.,

The institution strives to search for new pedagogies and processes to enable students to acquire better conceptual understanding and deeper engagement with ideas. One approach to achieve this is by venturing outside the classrooms and teaching students in informal settings such as Zoological Museum, Botanical Garden, Vermicomposting unit etc.,

Details regarding infrastructure and learning resources

Description	Number
Class Rooms	35
Laboratories	32
Plant Tissue Culture	1

Animal Cell culture	1
Museum	2
Research Labs	5
Seminar Hall	1
Gymkhana	1
Language Lab	1
Central Library	1
Placement Cell	1
IQAC Cell	1
NCC Army (SD & SW)	2
Cultural Room	1
Women's cell	1
Indoor stadium	1
Administrative Rooms	2
Xerox Centre	1
NSS	1
Washroom-boys	4
Washroom-girls	4
Girls common room	1

File Description	Document
Upload Any additional information	View Document
Paste link for additional information	View Document

4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,)

Response:

From its inception, the institution is committed to impart holistic education geared to liberate, transform and empower the mind and the body of youth from all strata of the society. The facilities, activities and opportunities are rich and varied. They equip the physical, mental, moral and spiritual dimensions of every individual.

The college provides adequate facilities for cultural activities, indoor and outdoor sports, gymnasium, yoga center etc., as well as other student and faculty support amenities. The college is committed to create a balanced atmosphere of academic, cultural and sports activities for a student's overall personality development.

SPORTS

Our students have excelled in sports and games at various State, National and International Levels.

FACILITIES AND USAGE

The playground is the nerve centre of physical and cultural activities throughout the year. Annual Sports Day, Mass drill, regular athletic practice, fitness activities, Interdepartmental events and games for students, teaching and non-teaching faculty, Track & Field all find a place here. The College caters to the needs of all major outdoor sports events with standard court and track facilities. Adequate facilities are available to organize track & field events, games, literary and cultural events.

Court	Measurement (m)
Volleyball	9 x 18
Throw ball	12.20 x 18.30
Kabaddi	13 x 10
Shuttle badminton	13.40 x 6.10

Students are also encouraged to take up field events like Javelin, hammer and Discus throw, Shot-put by providing necessary sports equipment. Indoor arrangements comprise of a badminton and table tennis court which is also used for taekwondo training. Students also enjoy playing carrom, table tennis, chess etc.

YOGA AND MEDITATION

Yoga Centre organizes awareness sessions on Yoga to revive the ancient tradition and culture and to insist a healthy practice amongst the students. Ample space is provided to practice Yoga at gymkhana.

CULTURAL

Students are encouraged to participate in various cultural and literary activities and the institution strives for their excellence. Every year the college conducts, literary competitions such as debate, elocution, essay writing in connection with days of special significance. The Quadrangle of the college is used for conducting major outdoor events like Inaugural, Valedictory and Inter-collegiate Fests. The students' participation in cultural activities develops aesthetic sensibility and an appreciation for the arts. Commemorative days celebrated fosters respect, tolerance, unity, creativity and cultural sensitivity in the stakeholders. These events augment cultural, linguistic, social, spiritual and academic facets of all concerned.

GYMNASIUM

A fully equipped gymnasium is open for students and staff from 6:30am to 6:30pm. The gymnasium has latest equipment and machines: Cross Trainer, Power Rack, Stationary Bike, Treadmill, Vibration Mein and Weight Bench, Weight Training/ Lifting Sets, Weight Lifting Bar, Dumbbell Sets, Weight Plates and Parallel Bar wall.

NCC & NSS

The college has well organized NCC Army (SD & SW) unit to cater to the needs of aspirational students

willing to join the defense services. The college has also an NSS unit for developing the personality and character of the student through voluntary community service.

File Description	Document
Upload any additional information	View Document
Geotagged pictures	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 62.16

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 23

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

Response: 21.85

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
17.82	2.22	58.11	110.22	215.69

File Description	Document
Upload Details of Expenditure , excluding salary during the last five years	View Document
Upload audited utilization statements	View Document
Link for any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Library is the knowledge repository of the college for print and e-resources. It is the temple of knowledge and a paradise for all the Jabinians since 1957. The library is Wi-Fi enabled and partially automated with e-lib software in the year 2006 with 16.2 version. The library is equipped with 78,080 books with an average of 122 beneficiaries per day, 197 Bound Volumes, 187 Project Reports, 1116 CD/DVDs, 10 Journals and 24 Periodicals and 05 Newspapers. An average amount of Rs. 6.59 lakhs have been spent for the purchase of books, e-books, subscription to journals / e-journals during the accreditation period. The main library is also augmented by 10 Department libraries.

The library also facilitates an Online Public Access Catalogue (OPAC). This provision enables a user to view the location where a particular book is available. The software also enables its users to check the current status. This software provides following major features;

1. Client: server based architecture, user-friendly interface that does not require extensive training
2. Cataloguing of Documents
3. Circulation details
4. Issue>Returns report
5. Membership details
6. Accession Report Department/Subject wise

It is also equipped with the e-resources like NLIST, DELNET, Indianjournal.com and Libinfo for the use of faculty and students at the college campus. The Acquisition and circulation of the books are done through e-lib software. The efficiency of the library is supported by technical processing of books with Dewey Decimal Classification System. Library circulation policy is effectively implemented.

The infrastructure of library has open access and reference section, two reading rooms with capacity of 180 students. Digital library facilitates usage of 25 computers.

Books are selected by subject experts with reference to the Academic Council Booklets. Books that will

help students in preparing for Competitive Exams are also part of the collection. Books are procured on recommendations of all the Departments every year taking into consideration the user's requirements. The library functions effectively with the overall guidance and suggestions of a dynamic library committee. It also maintains Library Corner to highlight renowned authors and their publications. The library staff provides orientation on library resources and usage to the students and faculty frequently.

File Description	Document
Upload any additional information	View Document
Paste Link for additional information	View Document

4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Details of subscriptions like e-journals, e-books , e-ShodhSindhu, Shodhganga Membership etc	View Document

4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 6.59

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
7.23734	3.34550	6.32301	8.22850	7.81121

File Description	Document
Details of annual expenditure for purchase of and subscription to journals/e-journals during the last five years	View Document
Audited statements of accounts	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year**Response:** 5.42**4.2.4.1 Number of teachers and students using library per day over last one year**

Response: 122

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure**4.3.1 Institution has an IT policy covering wi-fi, cyber security, etc., and allocated budget for updating its IT facilities****Response:**

Recognizing the importance of technology in education, the institute has implemented latest state of the art IT infrastructure in its core areas of education and research. IT infrastructure in the campus is provided through centralized UPS. The Institute has a robust and vibrant IT policy which aims at providing uninterrupted services to all its stakeholders.

To ensure effective classroom delivery, information sharing and knowledge assimilation, 24 classrooms are equipped with plug and play LCD projectors. The systems are updated regularly as per the need both in terms of software and hardware in order to cater to the needs of the students.

There are 434 computers including Laptops which are equipped with 4GB/8GB RAM with i3/i5 processor, 500GB/1 Terabyte HDD with network facility available across the campus. Institution has 9 scanners, 39 printers and storage devices with internet facility & UPS. The computers of the college are connected with printers and scanners wherever required. Language lab is augmented with software and digitized audio-video materials to develop communications skills among students. Computer Labs, Library (OPAC), and language lab have been updated with latest software.

In accordance with the technological surge in the field of education, the institute has kept pace in providing students with access to open source Learning Management System (LMS) such as Teams or Google Classroom. The college domain jabincollege.com has been configured in Google which provides institutional email ids for all students, faculty members and non-teaching staff. The facilitators and learners take part in the LMS or Flipped Classroom which helps with e-learning, online submission of assignments and quizzes and gives access to the learners towards a comfortable learning process in stipulated time frame.

The college YouTube channel keeps the stakeholders informed of all the activities of the college. All departments are provided with ICT facilities to use in classes for content delivery in the form of PowerPoint presentations, Documents and Audio-Video. During the Covid pandemic, online classes were conducted across all programs. Adequate IT infrastructure of the institute was the reason behind hassle-free

classes during this period. Students are given access to the digital content of the department like lesson plans, question banks, assignments, notes etc., for repetitive use.

All systems are armed with Licensed firewall Cyberoam CR200 Series for Windows to tackle Malware/Virus problems. Surveillance cameras are installed at strategic locations of the campus for safety and security purposes. 69 Closed Circuit Television cameras (CCTV) are placed at the various locations of the campus and classrooms.

IT infrastructure of the institute is subjected to regular updation as it firmly believes that IT of an organization has the fastest obsolesce rate. IT Cell Coordinator takes care of the college website and coordinates with website vendor. The budget allocation for IT is in line with the existing requirement and foreseeing the future ones.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 6:1

File Description	Document
Upload any additional information	View Document
Student - computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution.

Response: 750 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

Response: A. All of the above

File Description	Document
Upload Additional information	View Document
Institutional data in prescribed format	View Document
Link for Additional information	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

Response: 56.02

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
102.61	83.57	207.06	203.21	164.68

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

Our college has organized system for monitoring and maintenance of infrastructure and IT facilities. Institute has an academic ambience with adequate physical infrastructure. Management takes suitable decisions for creation and expansion of infrastructure. Institution plans in advance the infrastructure enhancements, academic and support facilities according to requirements of programs it offers. The planning is based on suggestions received from Governing Body, Academic Council / Board of Studies members, committees and cells. Head of the institute submits list of equipments, books and other materials to be purchased to the Head Office which upon approval is procured.

Physical facilities are augmented every year. Each lab has a designated Non-Teaching Staff in charge of

maintenance and upkeep of all equipments. The College has a Work Scholarship program where students work after class hours and have opportunity to earn while they learn. All science departments have policies regarding the procedures and process for use, replacement and maintenance of their respective equipments. The stock in the labs is verified annually. User registers and logbooks are maintained and use of instruments by students is monitored by faculty. SOPs (Standard Operating Procedures) for each of the equipment are prepared and displayed in all relevant locations. Issue and Breakage registers are maintained in the laboratories. All the laboratories are spacious and well-lit. Do's and Don'ts/safety precautions are displayed in each laboratory. In house servicing of lab instruments is done regularly. Major repairs are outsourced by following established procedures.

The efficiency of Library is supported by technical processing of books and also a well-equipped automation system. Library has a well-defined policy for maintenance of books, procedures established for refurbishments and updation.

The Classrooms and labs are utilized on rotation and sharing bases for the smooth conduct of regular classes, certificate and value-added courses and other academic events. Seminar Hall is optimally utilized for conduct of seminars/guest lecturers for all stakeholders. Besides these facilities like Multi Gym, Indoor Sports complex are utilized for specified purposes.

The cleanliness and upkeep of the gardens, landscaping and cleanliness of the campus is managed by garden committee. Fire safety and first aid boxes are installed at vantage points. Institution has a well-established system of CCTVs across the campus. Regular refurbishment and building repairs are carried out to maintain physical stability.

Environment sustainable initiatives like RO water plant, the sanitary napkin along with the solar panels are regularly serviced by respective external agencies. Lift and fire insurance is procured and maintained. UPS and battery facilities are also serviced. Air conditioners, computers and network facilities are maintained either by Annual Maintenance Contract (AMC) or serviced by agencies/manufacturers as per the need.

Electrically sensitive equipments are provided with necessary back-up to ensure steady functioning. Diesel generators of 360KVA capacity function as substitute source in case of power disruption.

Institution also facilitates canteen, bank, consumer society, common staff rooms, departmental staff rooms, HOD rooms, Gymkhana, girls and boys comfort rooms, Placement cell, Seminar Hall, Indoor stadium and Open auditorium and cultural activities.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 41.46

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2021-22	2020-21	2019-20	2018-19	2017-18
1149	711	1130	646	564

File Description	Document
upload self attested letter with the list of students sanctioned scholarships	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution and non-government agencies during the last five years

Response: 4.18

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2021-22	2020-21	2019-20	2018-19	2017-18
111	90	60	99	61

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freships besides government schemes in last 5 years	View Document
Institutional data in prescribed format	View Document

5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology

Response: A. All of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.

Response: 89.29

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2139	2199	2074	1958	776

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies

2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 32.75

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
307	162	160	178	81

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch).

Response: 32.89

5.2.2.1 Number of outgoing student progressing to higher education.

Response: 223

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 0

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 15

5.3.1.1 Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
8	0	3	2	2

File Description	Document
Number of awards/medals for outstanding performance in sports/ cultural activities at inter-university / state / national / international level during the last five years	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The student council functions as effective liaison between students, staff and college administration and plays an integral role in overall development of institution. The roles and responsibilities of the student council are explained during investiture and oath taking ceremony. The council members take lead role in representing views of students on matters of general concern and at the same time convince student fraternity on administrative decisions.

The college forum constitutes the student council as per guidelines prepared by the institution. Student council has President, Vice-President, General Secretaries, Media Council members and Class representatives. The Vice-President of student council spearheads the forum activities in consultation with Principal.

Functions of the Student Council

- It joins hands in arranging industrial/field visits and celebrations of National/International Commemorative Days.
- It helps and motivates others to share their ideas, skills and interest in participating in intercollegiate competitions at different levels.
- It represents student community in academic and administrative bodies of the institution.
- It recommends various student welfare initiatives to the management and enables their effective implementation.

Representation of students in academic and administrative bodies/committees

The office bearers of student council play a vital role in various administrative and academic bodies of the college. This helps them to acquire planning and organisational skills

- **Academic Council:** Student representatives share their views and opinions on behalf of all students in academic council meetings
- **IQAC:** Student representatives actively takes part in IQAC meetings and are encouraged to give their inputs.
- **Department Association:** The activities of the departments are discussed and framed by both association chairman and student representatives.
- **Library Committee:** Students views and suggestions are considered in providing books, journals and facilities in library.
- **College Forum:** The activities throughout the year are planned and executed by Vice president, General Secretary and student representatives.
- **Committee against Sexual Harassment(CASH):** The student representative can immediately put fourth complaints by students in front of CASH for further actions
- **Anti-ragging Committee:** The student representatives play an important role in organizing awareness programs in the College.
- **Grievance Redressal Cell:** As and when the complaint is received, the committee discusses with student representatives for positive response.
- **Women Empowerment Cell:** All activities planned are implemented by student secretary.
- **Hostel Committee:** The grievances of hostel are well presented before warden for further actions by the secretaries.

Apart from this, the Student Council assists in organising cultural activities every year. Intramural Competitions are organised by the Council to bring together students of all departments and give them an opportunity to exhibit their talents. They also serve as campus ambassadors to motivate students about their civic responsibilities.

The active student engagement in curriculum development and quality sustenance facilitates resourcefulness and cultivates attributes of shared responsibility. It has effectuated revamping of syllabi with contemporary relevance. Their proactive participation both in academic and administrative realms of the college is wholesome as they promote new perspectives to academic/administrative decisions.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 34.8

5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
72	27	44	28	3

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.

Response:

K.L.E. Society's P.C. Jabin Science College alumni association contributes significantly to the qualitative and quantitative development of the Institution through financial and non-financial means from the time of its inception in the year 1983. It was registered under Registration of Societies Act 1980 in the year 2017 (Register no-DRZ-435/2017-18). During the last five years, there has been a steady increase in the contribution and involvement of the alumnae. The Association has been playing a pivotal role in promoting welfare of the institution and in establishing mutually beneficial relationships between the college and its alumnae. The Association helps alumnae around the world connect with college through Alumni association social network www.jabincollege.edu.in/Alumni.

Alumni association has its own Governing body and executive committee. Executive body is composed of a President, Secretary, Joint Secretary and 7 alumni as members. Meetings are conducted twice in a year.

Financial Support by Alumni Association:

1. The Alumni association has contributed **Rs. 10,97,811/-** during the accreditation process.
2. Prize money is awarded to meritorious students of undergraduate and postgraduate programs.
3. It encourages research activity by providing seed money for both faculty and students.
4. It provides financial support for activities like Workshops, Seminars and Guest lectures.

List of activities sponsored by the Alumni Association during the accreditation process

- Distribution of Writing Materials and Free Medical camp at College adopted Siddhi Village, Gardolli Haliyal on 18th & 30th September 2022 respectively.
- Awareness program on Road Safety and Save Lives on 15th August 2022.
- One Day Workshop on Joyful living in Professionals Life on 10th April 2021.

- Awareness Talk on Organ Donation on 17th August 2021.
- International Webinar on Writer's Perspective on What, Why and How to Read? on 24th July 2021.
- Webinar on The Art of Expressing One's Thought on 12th August 2021.
- Guest Lecture on moving from helthcare to health and Wellness on 24th December 2019.
- Orientation program in collaboration with Career Guidance & Placement Cell on 10th July 2018.

Non-financial contribution by Alumni Association:

1. Alumni engaged as Members of statutory bodies like Board of Studies, Academic Council and IQAC committee lend valuable inputs to make curriculum industry relevant
2. Notable alumni serve as Chief Guests, resource persons and keynote speakers for conferences, seminars and academic enrichment activities
3. Alumni infuses a note of confidence and goodwill about institution among fresher's who are seeking admission in the college
4. They provide orientation and employability training for placements
5. They strengthen industry-academia linkages through internships
6. Alumni have sponsored events like hands on training in solar lamp assembling and science exhibition competitions
7. Competitive Books have been donated to the college library
8. They support the activities of extension Services such as rural exposure programmes
9. Association has helped in infrastructure development like well-designed Seminar Hall and Water filter unit in the college campus
10. They render service as trainers in skill development courses

File Description	Document
Any additional information	View Document
Link for additional information	View Document

5.4.2 Alumni financial contribution during the last five years (in INR).

Response: B. 10 Lakhs - 15 Lakhs

File Description	Document
Any additional information	View Document
Link for additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Response:

The Vision and Mission of the institution clearly defines the institutional characteristics in terms of addressing the needs of the society through science education. There is a clearly defined organizational structure for effective administration. Vision and mission of institute promotes quality education and research activities to facilitate progress of society with human values.

Vision:

- To be the institution of choice for science education and research
- Manifesting excellence, stimulating evolutionary progress and engaging the society.

Mission:

- To build an environment of instructional excellence to meet the needs of present and emerging scientific and technological world.
- To strive for student achievement and success, preparing them for life and leadership.
- To contribute to the advancement of knowledge and developmental needs of the society.
- This will be accomplished by committed, empowered and a synergetic team, practicing human environmental values that the generation demands now and in future.

Nature of Governance:

The governance and leadership ensures that activities of the college are associated with its vision and mission and management is the policy making body in this regard. The chairman is the highest authority in the managerial structure of the institution. The chairman of the governing body is the key person who is assisted by the local governing body and life members. It comprises of stakeholders like Member of Parliament, Member of Legislative Assembly, Former managers, Principal, Office Superintendent, IQAC co-ordinator, alumni and industrialists. The Board gives timely directions to principal and IQAC to give inputs for preparation of strategic plan as per the vision and mission of the institution. The Board meets twice a year and finalises the strategic plan focusing on infrastructural development, enhancement of quality in teaching-learning process, promotion of research and healthy practices to be implemented in the college.

The Board arranges a meeting with the heads of the departments in the beginning of the academic year to formulate the department academic plan as per the strategic plan. The responsibility to oversee the institution is vested with the Management and Principal. The Principal imparts timely instructions to the heads of departments through council meetings and staff meetings to take stock of the situations and decide on quality parameters.

Perspective/Strategic Plan:

The institution has a systematic, well-organized Strategic Plan in terms of applying for grants from various sources, establishing and renovations of infrastructure, encouraging the scope of teaching-Learning experience through ICT and innovative initiations, mobilization of funds and projects through the alumni association.

Participation of teachers:

Teachers discharge an important role in implementing the vision and mission of the college. Heads of the departments are responsible for considerable administrative and academic autonomy in running their disciplinary units. Teachers are members and conveners of the various committees that are instituted for the day-to-day functioning of the college. Through steerings of NSS, NCC and YRC cell, faculties discharge their role as motivators and spearheads of cultural and social activities.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.

Response:

Participative leadership is reflective of the ethos of institution. It holds an all-inclusive working process that involves collective leadership and dissemination of responsibilities. The institution grooms leadership at various levels through decentralization and has a well-designed organizational structure for its smooth functioning. The governance of institution is carried out with support of following bodies constituted as per the autonomous norms:

- The Management
- Governing Body
- Academic Council
- Planning Committee
- Finance Committee

There are three levels of administrative structure under which all activities of the institution are carried out:

Society level:

The management of institution is directed by Chairman and Governing Body. The Chairman of Governing body is key person who is assisted by local governing body and life members.

Institute level:

All major decisions are taken by Principal in consultation with Head of Departments. Principal is academic and administrative head of Institute and Member of Governing Body.

Department level:

The Department Heads are responsible for managing day-to-day administration of the department with support and suggestions of staff members for improvement.

Case study: Implementation of Activities of Unnat Bharat Abhiyan

The goal of Unnat Bharat Abhiyan (UBA) is to empower higher education institutions to collaborate with rural Indians by identifying developmental concerns and propose practical solutions for sustainable progress. To achieve this, MHRD invited applications from interested Institutions offering higher education throughout India.

Under the guidance of principal, faculty members and student representatives discussed and decided to carryout UBA activities under a Cell. Thus an UBA cell was established and five villages namely Adargunchi, Sulla, Shiraguppi, Byahatti and Sherewad were shortlisted. The institution later applied for the project and was selected.

Further, as per directions from MHRD, institution's UBA cell began base line survey of shortlisted villages. The students of these villages studying in college were called for orientation. First phase of data collection began on the same day and students alongwith faculty members decided to carryout survey and identify scope for development in them. Students and faculty interacted with villagers during survey. An awareness program was arranged and simultaneously meeting with gram Panchayat members and government officials was also undertaken.

All decisions regarding UBA activities were governed by management and college administration, responsibilities for organizing various activities was shared by all stakeholders. The process of implementation of UBA activities is in different levels -

Strategic Level: Principal, UBA cell, HODs and IQAC were involved to define the activities and procedures, framing SOP and rules/regulations of UBA activities.

Functional Level: The faculty members proactively participated in knowledge dissemination, discussions and debates on mode of implementation of activities.

Operational level: UBA cell members actively participated in implementing the activities as per the framework of MHRD to achieve quality standards. All the teaching staff were involved directly or indirectly in UBA activities. Office staffs were involved in executing day to day support services for UBA cell. Students' participation played a vital role in different formal and informal activities.

File Description	Document
Any additional information	View Document
Link for strategic plan and deployment documents on the website	View Document
Link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The institution prepares a perspective plan for a period of ten years comprising short term and long term goals envisioning the future and taking into consideration the quality indicators of seven criteria determined by NAAC. Inputs from all stakeholders, vision and mission of the college and management policies provide a framework for formulation of perspective plan.

“Vision 2025: To be a leading Science Institute of India” the appertition of the present perspective plan encompasses initiatives in thrust areas of Academics, Research, Infrastructure and Learning resources, Students support and facilities, Governance and Leadership. This Vision document was prepared considering recommendations of previous peer team exit report. Important projects proposed in the strategic plan were reviewed and decided to implement across 5 years. The major one is the introduction of Honors (B.Sc & BCA) in all science subjects.

Introduction of Honors (B.Sc & BCA):

A four-year undergraduate program with specialization in one of the core subjects was planned by the institute to foster interdisciplinary approach and promote holistic education. The aim was to have a unique and innovative course structure which engenders creative out of the box thinking. The National Education Policy 2020 recommends a 4-year multidisciplinary bachelor’s program with multiple entry and exit options. In accordance with the NEP 2020 and the institutions perspective plan, 4-year Honors (B.Sc & BCA) program was introduced from the academic year 2021-22. The program aimed at providing a diverse curriculum with an equal balance of theory and practical and is embedded with contemporary technologies designed to tackle modern multi-core platforms.

All the decisions regarding Honors program are governed by management and college administration. The responsibility of the process of implementation of Honors program is in different levels -

Strategic Level:

Principal, IQAC, HODs, and faculty were involved in defining the policies and procedures, framing guidelines and rules/regulations of NEP. It included admission, guidance, counselling, training and development.

Functional Level:

At functional level the faculty members participate in sharing the knowledge, discussions and debates on implementation of NEP in meetings and training programs. They are also involved in various activities in concern with the process of implementation of the program.

Operational level:

Under the supervision of the chairman, Governing Body gives appropriate guidance, of which principal is also a member. Academic Council plays an important role in suggesting and monitoring the activities for introduction of new program. All the staff members actively participate in implementing the policy, procedures and framework designed by the committee in order to maintain and achieve the quality standards as per the vision and mission of the institution.

Student and parent's level:

The institute always promotes the culture of participative management by involving students and parents. Students participated in implementation of Honors program through different formal and informal activities, also through their feedbacks. The IQAC conducted guest lectures, workshops and trainings for students and their parents.

File Description	Document
Any additional information	View Document
Link for Strategic Plan and deployment documents on the website	View Document
Link for additional information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

Institution has a well-defined organizational structure and governance for furnishing its vision and mission. Following are the institutional bodies that aid in smooth functioning of institution.

Board of Management: The institution is administered by Karnataka Lingayat Education Society, Belagavi. The elected members of administrative body are in constant touch with Principal on all matters pertaining to the smooth functioning of the institution. The executive body and board of life members also guide & monitor all the activities of the institution.

Governing Body: It is the highest academic and administrative body of the institution which approves institutional perspective plan and proposed programmes of study, scholarships, and confirms Academic Council's recommendations. Management nominates a member to act as Chairman and Principal is the secretary. The Governing Body meets twice a year.

The Local Governing Body: It approves all necessary financial, infrastructural and other developmental

activities of the institute. The Local Governing Body meets four times a year.

Academic Council: It is constituted as per UGC norms and is chaired by the principal. It approves various academic regulations, new programmes and resolutions of Board of Studies. The council meets twice a year.

Finance Committee: The finance committee functions as an advisory to the governing body. It assesses and approves the budget estimates, verifies income from fees and presents audited accounts to the authorities. The Chairperson is the Principal, supported by Financial Administrator along with a certified chartered Accountant.

Board of Studies: The Board of Studies approves the curriculum of various courses with a view of institution's mission, stakeholder's interests, national & international requirements. It discusses and suggests the current trends in teaching-learning and evaluative methodologies.

Academic and Administrative Committees: IQAC, Examination, Admission, Research, Timetables, Anti Ragging and Library Committee, Women Empowerment and Grievance Redressal Cell, Cell for Anti Sexual Harassment and Institution Innovation Council are some of the committees constituted for planning, preparation and execution of academic, administrative and extra-curricular activities. All programs are proposed and monitored by a Central Coordination Committee.

Policy of Recruitment: Our College, being a non-minority-aided college, strictly adheres to the procedures, rules and regulations prescribed by the UGC and State Government for the recruitment of teaching staff. The selection of the candidates is purely on merit. Further, the roster system is strictly followed as per the Karnataka government guidelines for both teaching and non-teaching staff.

Service Rules: The institution has framed and has followed the rules of the services of its employees as per UGC, affiliating university and Government of Karnataka. The Service rule book is also available on website of the college.

Promotional policies: Promotion for teaching staff is totally in tune with UGC policy whereas for promotion of non-teaching staff, the State Government's promotion policy is followed. Promotions are done as and when they are due.

Grievance Redressal System: Grievance Redressal Cell was constituted to resolve grievances of students, alumni and parents. This committee addresses the real time problems and complaints of students and aims to promote and maintain a safe and unprejudiced learning environment.

File Description	Document
Any additional information	View Document
Link for additional information	View Document
Link to Organogram of the Institution webpage	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
Institutional data in prescribed format	View Document
ERP (Enterprise Resource Planning) Document	View Document
Link for additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff and avenues for career development/ progression

Response:

The institution is always keen on enhancing lives, offers various welfare measures for both teaching and non-teaching fraternity as they are one of the major strengths of the institution in terms of dedication and commitment. The college is concerned about the physical and psychological well-being of all the stakeholders. The management builds an inclusive culture and creates a family atmosphere in the campus.

Teaching staff:

- To promote research culture among the teaching faculty, the college offers seed money for pursuing minor research activities.
- The institution provides financial support and duty leave for faculty and staff training, skill upgradation, attending conferences, workshops, FDPs, refresher and orientation courses.
- Faculty Development Programme (FDP) is organized to enhance the knowledge of the staff.
- Visits to industry and higher learning institutes for knowledge acquisition / sharing.
- Deputation for Ph.D. programmes
- Increment on successful completion of Ph.D
- Maternity and Paternity leave is provided

Non-Teaching staff:

- Uniforms are provided to Staff free of cost
- Special training programmes are conducted on professional ethics and values
- Encouraged to take up department level examinations
- Free education facility for single girl child
- Family benefit fund

- Trained in ICT enabled administration for speedy and efficient work
- Lab assistants are given training in safety and security measures to be taken in laboratories

Common to Teaching and Non-teaching staff:

- Fee concession for Staff children
- Orientation program is conducted for newly recruited staff members
- Laptop/Desktop facilities are provided in the library and staff room
- Staff are entitled for Annual increments, Provident Fund, Gratuity, Paternity leave, Maternity Leave and ESI benefits as per norms
- Earned Leave Encashment facility
- Staff can avail sports facilities to improve their physical fitness
- Organisation of Free medical check-ups and medical camps
- Special programmes on yoga and meditation to improve mental health and peace
- Staff members are provided with group Insurance
- Health Centre is situated in the campus to attend medical needs of staff and students
- The institution extends guest house facilities for the use of faculty and staff
- Bank extension counter and ATM are in the campus buildings for ease of access
- A lounge is created in the cafeteria for staff and guests
- Sports, gym and yoga facilities are provided
- Parking facility
- Canteen facility

Thus, the College has always accommodated the needs of the teaching and non-teaching faculty, providing them with the best opportunities to impart necessary skills thereby improving their lives holistically.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.

Response: 16.97

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
18	18	22	12	15

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document

6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.

Response: 10

6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
14	16	12	5	3

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Reports of Academic Staff College or similar centers	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 17.45

6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
13	32	38	2	2

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
IQAC report summary	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

A well-defined mechanism is in force for financial audit to have discipline and transparency in financial management. The institution conducts internal and external financial audits on a regular basis. Finance Committee monitors institutions financial management. Prior to the annual external financial audit, the Principal, chairman of the Finance Committee and committee members have a biannual meeting to review the institution's financial statements.

Internal audit is conducted by accounts section once in three months by an approved chartered accountant appointed by the Management who checks the Maintenance of Receipts of Payments, Cash Book, Ledger Books, Cheque issue Register, Voucher and Bills, Scholarships received from State/ Central Government, Salary Grant received from the Government, Grants received from UGC/ other funding agencies and Autonomous grant received from UGC. The accounts section submits the audited statement of income and expenditure to the management for consideration and approval. Also it regularly interacts with audit firm regarding TDS compliance receipts and payments. Inventory audits are performed at the end of each academic year with the help of HODs and teachers. The audit team physically verifies the equipment, computers, consumables and other resources in each department. The library stock verification is carried out by library committee.

External Audit: The office of the Regional Joint Director, Collegiate Education, the Accountant General Office, Bengaluru, is empowered to conduct statutory audit of the college. The external financial audit for the utilization of funds is done by the government auditors. Audits carried out by the government through Accountant General, Bengaluru and Regional Joint Director of Collegiate Education ensures proper maintenance of books of account (cash book & Ledger), assets and liabilities/documents/audited statements as per norms and guidelines.

Mechanism for settling audit objections:

The issues raised by the audit firm are discussed and resolved in the Finance committee meeting. The suggestions and compliance report for the financial year 2020-21 are as follows;

Sl. No.	Suggestions	Compliances
1	It is advised to compulsorily take Inward Bills	Resolved and implemented from the

	with Society's GSTIN mentioned on it and ensure that the vendor uploads B2B transition so that society can claim ITC.	financial year 2021-22.
2	It is observed that there are Long Standing balances in EMD/SD A/C and Security Deposit A/C. The same was reported in earlier Audit Report as well. The balances need to be confirmed.	As per Suggestion reverse entry has been done.
3	It is observed that there are long outstanding balances in other payables	A letter is forwarded on 30.11.2020 to KLE Society head office for clearance of the long outstanding balance
4	It is observed that there are long- outstanding Credit balances in Staff Advances	The credit balances are settled after receiving UGC MRP Grants.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year-wise during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Optimum utilization of resources and mobilization of funds are the priority area of the college. Some of the sources are:

- Salary grant from the Government for aided faculty.

- Certificate and value added courses.
- Endowment Fund and Faculty sponsored fund for scholarships.
- Alumni Association funds for Research & Development activities
- Rent from Canteen, Bank

The salary for the teaching and non-teaching staff employed in the Aided section of the K.L.E. Society's P. C. Jabin Science College is received from the Government under Salary Grant. The remuneration for teaching and non-teaching employees working in a self-financed stream is paid by the management. Fees collected are deposited in nationalised banks, and proper books of account are maintained, which are subjected to internal and external audits. The fees collected from students are used in accordance with the guidelines set up by the government and the affiliating university. The institute has a well-defined mechanism to monitor effective utilization.

UGC provides grants for the development and maintenance of infrastructure, upgrading the learning resources and research (including grants for Minor and Major Research Projects). The Finance Committee of the college therefore, prepares a budget for every academic year in consultation with each department which is forwarded to UGC. The UGC Committee in coordination with IQAC monitors the mobilization of funds and makes sure that the funds are spent for the purpose, for which they have been allocated. UGC also provides grants for mentoring NAAC accreditation Aspirant Institutions to promote quality assurance in Higher Education under PARAMARSH.

The management supports the institution with substantial amount of money every year for the development of infrastructure.

The government provides special grants for students belonging to OBC, SC and ST categories. Earlier the fund was received from the welfare department and cheques were issued to students. Since last year, the system has been modified, where students get their scholarship amount directly to their individual Saving Bank Accounts. Proper records and books of accounts are maintained for the receipt and disbursement of funds. Generally all payment and receipts are made only by cheque and DD.

Optimal utilisation of the resources:

- Adequate funds are allocated for orientation programs, workshops/ FDP/ conferences, training programs
- Funds are allocated to social service activities as a part of social responsibilities
- Funds are also allocated for admission to poor students

File Description	Document
Any additional information	View Document
Link for additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the

quality assurance strategies and processes visible in terms of – Incremental improvements made for the preceding five years with regard to quality (in case of first cycle) Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)

Response:

K. L. E. Society's P. C. Jabin Science College has established an Internal Quality Assurance Cell (IQAC) to identify, plan, execute and monitor the quality assurance strategies in the institution. The primary objective of the cell is to develop systems for conscious, consistent and catalytic action to improve academic, research and administrative performance. The IQAC has brought several initiatives in this regard to achieve excellence.

Some of the key initiatives of the IQAC are:

- NAAC 4th Cycle Accreditation – A grade with 3.43 CGPA
- Autonomous Extension Phase III –March 2018
- College with Potential for Excellence Phase III
- Preparation of PhD regulations
- Promotion of Research
- Implementation of CBCS, Digital evaluation, School concept, NEP-2020 regulations
- Organizing workshops/seminars/orientation programmes related to quality enhancement
- Encouraging faculty to attend professional development programmes
- Implementation of Outcome-Based Education and Swachh Bharat Summer Internship Programme
- Conduct of Extension and Outreach activities
- Administering and Monitoring Feedback analysis collected from various stakeholders
- Academic and Administrative audit (Internal & External)

Practice I: Student Mentoring

A structured Mentor-Mentee system through MACCESS software has been developed by the IQAC for the holistic development of students. A well trained faculty is nominated as the Chief Mentor of the college who takes care of allotment of mentors to the freshly admitted students after the approval of Principal. The mentors maintain personal information, academic performance, co-curricular and extracurricular achievements of their mentee and update it in Mentee profile by conducting regular meetings. These meetings also serve as a platform for the mentees to discuss their academic and personal issues wherein the mentor counsels and guides them appropriately. Also the issues faced are brought to the notice of chief mentor who suggests for further corrective measures. Regular Parent Teacher meet is also conducted and information pertaining to the performance of their ward is provided.

Practice II: Swayam

Introduction of Swayam course was one of the major reforms in the teaching learning practices intended for skill enrichment and providing access for self and lifelong learning without any barriers. SWAYAM was initiated by Government of India and designed to achieve the three Cardinal principles of education policy viz., access, equity and quality. Learning through Swayam Platform has increased enthusiasm amongst students as it is designed for anytime access to video lecture, specially prepared reading materials, self assessment through tests and quizzes and discussion forum for clearing the doubts. The IQAC took up this objective for providing the best teaching learning resources to all, including the slow learners. Students had a positive impact towards this initiative which is observed in their performance in general as well as competitive examinations and placement drives.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

As an autonomous institution, the teaching-learning process is reviewed annually as per UGC guidelines. IQAC monitors and reviews the programs regularly and implements necessary changes based on requirements.

- IQAC has a structured mechanism for feedback collection and analysis from all stakeholders for improving teaching-learning process
- Board of Studies and Academic Council at their regular meetings, review the teaching-learning methods, innovations and performances
- Experiential, participatory and problem-solving teaching methodologies are incorporated into curriculum to enhance students learning outcomes
- Outcome-Based Education was implemented during assessment period
- Streamlining of the process of question paper setting reflecting Bloom's Taxonomy and Course Outcomes
- Development of scientific method for attainment of Course and Program Outcomes

Academic and Administrative Audit (AAA)

The academic and administrative performance of college is reviewed on a regular basis ensuring reflection of institutional vision and mission. The audit aims to scrutinize academic standards and quality of all the programmes. College through IQAC regularly reviews all streams within the college, including administration, academic, co-curricular and extra-curricular activities through periodic meetings, feedback, brain storming sessions, group discussions, SWOC analysis etc.,

Internal and external AAA committees are also instrumental in reviewing and analysing the administrative and academic performance. The reports of such reviews and analysis have helped college achieve academic excellence.

- Regularly conduct of internal and external academic audits
- Every department prepares a departmental annual perspective plan and submits to IQAC
- At end of the academic year, internal AAA committee comprising principal, IQAC Coordinator and a few senior faculty members audits every department of the institution
- Departments present their performance in all areas viz., strength, results, research outcomes, community-oriented programs. Based on this, committee suggest appropriate corrective measures and submits its compliance report to IQAC.
- Further the External AAA committee reviews departmental performance and submits report to principal
- Recommendations of audit team are sent to the departments through IQAC for discussion and preparation of action taken report.
- Overall, the academic audit has enabled the institution to make positive changes towards improvement of student performance.

Practice II: Outcome Based Education

IQAC in its pursuit of imparting quality education has adapted Outcome Based Education (OBE) system. It involves restructuring of curriculum, academic process, teaching methodologies, assessment and evaluations to reflect achievements of high order learning and is aligned with outcome based approach. Programme Outcomes (POs), Programme Specific Outcomes (PSO) and Course Outcomes (COs) are defined based on graduate attributes, mission and vision of institution. It is student centric instruction model that focuses on measuring student performance through outcomes which include knowledge, skills and attitude. The implementation of OBE is effective through analysis of levels of attainment based on institution's OBE policy. Analysis of attainment is done at the programme level. Attainment of COs ensures the attainment of PSOs and POs. Reports of outcome analysis helps to find curricular improvements in the education system.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

6.5.3 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)
3. Participation in NIRF
4. Any other quality audit recognized by state, national or international agencies (ISO Certification)

Response: All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Paste web link of Annual reports of Institution	View Document
Link for additional information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Gender equity & sensitization is one amongst the foremost challenges of society. Institute aims to develop competent professionals both men and women to serve Society and face global challenges at large. Institution has initiated several measures to create gender equity & sensitization by observing a strong ethical work culture based on inclusivity. It encourages active participation of students in group based events in co-curricular activities including sports. Equal opportunities are provided to everyone irrespective of gender or any other status. Institution's unique work culture, healthy traditions and ethics have led to enrollment of more girl students and women staff in the institute. Institute conducts regular gender equity promotion programs. Guest speakers from prominent fields highlight importance of gender equality in society.

Safety, security and well-being of all stake holders and friendly working atmosphere are the issues of prime concern of the college. Women Empowerment Cell, Cell of Anti Ragging & Anti Sexual Harassment (CASH), Student Grievance Redressal cell, College Forum, Discipline Committee etc., are constituted for smooth functioning. The functions of these committees are disseminated through the Orientation/Induction programs.

The specific facilities provided for women in campus are

1. Safety and security

- To ensure safety and security of students CCTV cameras are installed in strategic locations of college campus and hostel which provide 24 hours surveillance. Also well-trained and vigilant security guards are stationed across the campus
- A female staff appointed as Warden of Girls hostel looks after the quality of food served, resolves student grievances and maintains discipline amongst students. She also takes care of medical emergencies if any
- Women Empowerment cell aims to empower female students and faculty. It works on creating better understanding of affairs amongst students and strives to make campus a safe place.
- It addresses practical issues related to welfare and equal opportunities for staff and students. It conducts workshops, seminar and competitions regularly to promote talents of girl students.
- Cell of Anti Ragging & Anti Sexual Harassment (CASH) plays a proactive role in the campus as well as in hostel. Committee members regularly visits hostel and interact with students regarding any actions that leads to violate individual's dignity either physically or psychologically.
- NCC girl's Battalion offers certificate course on Taekwondo.

2. Counseling

Institution has a dedicated mentoring system to take care of academic, emotional, social and cognitive development of students. Mentors counsel the students and

- Maintain academic standards, set goals for academic excellence of students along with improving social skills.
- Develop their skills to improve study habits, time management and employability.
- Work through personal problems that may affect academics or relationships.
- Build students mentally to cope with college or community-related violence, accidents and trauma.
- Identify interests, strengths and aptitudes through assessment.

3. Common Rooms

The girl students and staff have common room facilities in academic and hostel blocks with chairs, tables and have adequately furnished sanitary fittings. Ladies Washrooms are provided with sanitary napkin vending and disposal machines (Incinerators).

File Description	Document
Specific facilities provided for women in terms of: a.Safety and security b.Counselling c.Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

- 1.Solar energy
- 2.Biogas plant
- 3.Wheeling to the Grid
- 4.Sensor-based energy conservation
- 5.Use of LED bulbs/ power efficient equipment

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system

- **Hazardous chemicals and radioactive waste management**

Response:

Institution facilitates several techniques for management of degradable and non-degradable waste. College has concern to protect environment, health and well-being through implementation of effective waste management practices such as segregation, recycling and composting. Our prime focus is to reduce and reuse. The waste generated on the campus is managed as follows;

1. Solid Waste Management

- Provision of colour coded dustbins to segregate the solid waste which is disposed everyday at the designated place. This is in-turn collected by the Municipal Corporation on a regular basis.
- To reduce waste generation in campus, students and staff are educated on proper waste management practices through awareness programs, advertisement on notice boards and displaying slogan boards in the campus.
- The examination procedure is digitized which helps in minimizing paper usage. Students are encouraged to use waste paper and newspapers in creative practices during extracurricular activities.
- Biodegradable kitchen waste from canteen, horticultural waste such as dried leaves, twigs, and plant clippings are collected from all around the campus and vermi-composted to be used as manure in the garden. Non degradable waste is disposed with the help of Municipal Corporation.

2. Liquid Waste Management

- Proper sewage system is present in all the washrooms of the college, appropriate care is taken to see that there is no water stagnation discouraging mosquito breeding.
- Semi-micro scale experiments are conducted to minimize the chemical waste in the laboratory.

3. E-Waste Management

- E-waste generated is collected and disposed annually.
- Buyback system is followed for pharmacology rotating drums beyond repairable conditions. Empty toners, cartridges, outdated computers and electronic items are sold as scrap to ensure their safe recycling.
- Old monitors and CPUs are repaired by technicians and reused.
- Students are also made aware of E-Waste issues and its safe disposal in their regular practicals.

4. Biomedical Waste Management

- The college does not have any biomedical waste. However cotton used in the laboratory and used sanitary napkins are disposed off through incineration.
- Microbial cultures are sterilized by autoclaving and then disposed

5. Waste Recycling System

- Vermicomposting is practised to recycle solid waste, peels of vegetable and food waste.
- The rain water from the terrace of the college is directed towards the ground through pipes towards rain water harvesting pits and garden area.
- Waste like plastic, metals, glass, cardboard, newspaper and stationery are systematically collected, segregated and sold to authorized vendors for their recycling.

6. Hazardous Waste and Radioactive Waste Management

- Campus is free from radioactive waste.
- Fuming chamber is used in the chemistry laboratory for handling irritating gases and semi-micro scale level experiments are conducted to minimize the use of chemicals in the laboratory
- Laboratories using chemicals and solvents follow the necessary safety precautions in the usage and disposal of hazardous waste.

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Geotagged photographs of the facilities	View Document
Any other relevant information	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document
Link for any additional information	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: A. Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions / awards
5. Beyond the campus environmental promotion activities

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Certificates of the awards received	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Details of the Software procured for providing the assistance	View Document
Any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

The K.L.E. Society's P. C. Jabin Science College firmly upholds the principle of equality by embracing students from different caste, religion and regions. Admission process upholds secularism and communal harmony wherein all eligible students are given admission without any prejudices. The college provides an inclusive environment of tolerance and harmony which is witnessed in the academic and moral development of students. The importance of Unity in Diversity is impressed amongst students which help to build mutual respect among students of different religion, language and culture. The college takes initiatives by organizing different sports and cultural activities in the premises to develop amicable relations amongst each other and maintains religious, social and communal harmony.

National festivals and commemorative days of great Indian personalities are celebrated on the campus with great fervor to develop the emotional connectivity towards the nation and foster a sense of togetherness. Independence Day and Republic Day Celebrations give an opportunity to celebrate our democracy and cherish ideas and values enshrined in our constitution whereas Karnataka Rajyotsav celebrations promote richness of Kannada and regional cultural heritage.

Various Competitions are organized to provide platforms for the students to express their opinions and share ideas to bring about social and communal harmony. The themes are also designed to motivate the students to learn about the regional culture and heritage. To cater to the linguistic diversity, all student related competitions are conducted in vernacular languages along with English. The institution organizes cultural fest and provides a platform to showcase the cultural diversities which enhances positive interactions amongst the student community. Women empowerment cell celebrates International Women's Day and felicitates regional women achievers of different fields.

The faculty members of the college sponsor scholarships for the eligible students motivating them to achieve sustained excellence. The alumni association of the college also strives for providing inclusive environment by conducting various programs. Grievance redressal cell and women empowerment cell of the college proactively resolve the grievances of the students and cater their needs irrespective of religion and culture. NSS, NCC, YRC units of the college conduct various programs and encourage students to serve the society. Under the Unnat Bharat Abhiyan (Under Ministry of HRD) Scheme- five villages have been adopted in the region and awareness regarding environment and ethical issues have been carried out.

The students have a compulsory two credit course in CBCS system entitled 'Swachh Bharat Summer Internship Program' providing a platform for the students to work for the social cause.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

India being one of the most religiously and ethnically diverse nations in the world includes individuals with different diversities governed and guided by the Constitution irrespective of caste, religion, race or sex. P. C. Jabin Science College takes pride to proclaim that along with strong academics; the college constantly works to develop the student community as better citizens of the country. The College proactively takes initiative to sensitize students as well employees towards constitutional obligations by organizing regular events for students.

The college establishes policies that reflect core values. Code of conduct is prepared for students and staff which are obeyed by everyone. Students are made aware about the code of ethics, human values, rights, duties and responsibilities as citizens of India during orientation as well as other programs throughout the year.

Every year the college celebrates the national festivals viz., Independence Day, Republic day, Karnataka Rajyostava with an aim to impart the sense of oneness and fill the young minds with the spirit of patriotism and love for the motherland. Various competitions are conducted as a part of these celebrations under various themes which are envisioned to bring about togetherness of India, familiarize young minds with the struggles and sacrifices of freedom fighters and create honor towards the constitution. These events aid in better understanding of rights, duties and role of a responsible citizen in nation building. All the stakeholders take oath on the Republic Day to uphold national integrity.

Programs on the occasion of National Voter's day bring awareness among the general masses about importance of voting, Constitutional day promotes awareness about various constitutional and legal obligations, Kargil Vijay Divas commemorates the sacrifices of the martyrs for the country. Importance of Blood Donation, Tree plantation and Cleanliness is impressed by organizing blood donation camps, Vanamahotsava and Swachh Bharat Pakhwada. Students participate enthusiastically in the Swachh Bharat Abhiyan rally and blood donation camps. NCC, NSS, Youth Red Cross units encourage students to serve society. In the COVID-19 Pandemic NCC students volunteered during SSLC examinations in maintaining Covid protocol. The students of NCC and NSS visited National Flag Production unit which instilled in them the concept of Atma Nirbhar Bharat

Guest lectures on the lives of great individuals are arranged wherein eminent personalities deliver lectures on ethics, values, duties and responsibilities and environment conservation. Communal Harmony,

Religious Festivals, Save Environment, Patriotism in the Current scenario, Incredible India, Indian Historical Monuments, Recycling of Plastic are some of the topics that are enlisted in the competitions organized for the students.

Students are sensitized to adapt green practices, conserve natural resources, use alternative source of energy and renewable energy. These help in inculcating value systems amongst the student community.

File Description	Document
• Details of activities that inculcate values; necessary to render students in to responsible citizens	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. The Code of Conduct is displayed on the website
2. There is a committee to monitor adherence to the Code of Conduct
3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View Document
Code of ethics policy document	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

To maintain atmosphere of harmony, vigour and create awareness amongst the learners about national pride and rich cultural heritage of the region as well as country, the National/International commemorative days are regularly being celebrated in the campus with great enthusiasm. The celebrations are an integral part of learning and act as platform to inculcate strong cultural belief in students. Staff and Students all come together under one umbrella to celebrate these occasions and spread message of Unity, Peace, Love and Happiness.

Every year the College celebrates National Festivals i.e. Independence Day on 15th August and Republic

Day on 26th January with pomp and gaiety by hoisting the national tricolour in the campus. On these occasions students are encouraged to remember National leaders and their sacrifices. The NSS unit, NCC unit and College Forum organize many cultural programs to celebrate the events. Students and staff rejoice during these celebrations with great patriotic fervour.

Karnataka Rajyotsava is celebrated every year on 1st November. Language is root map of our culture and the institute makes efforts to preserve it. The Institution also commemorates the birth / death anniversaries of great Indian personalities like Dr. Babasaheb Ambedkar, Mahatma Gandhi, Sardar Vallabhbhai Patel etc. The common birthday of Mahatma Gandhi and Lal Bahadur Shastri on 2nd October is observed as Swachhta Diwas. "Swachh Bharat Abhiyan" was launched on 2nd October in order to honour Mahatma Gandhi's vision of clean India. It serves as great initiative in making students aware of importance of cleanliness.

Students are motivated to read life of eminent personalities by arranging invited talks. On Teachers day too, the student's council puts up a show to express their love and gratitude for their teachers and salute the great teacher Dr. Sarvepalli Radhakrishnan. Swami Vivekananda Jayanti is celebrated every year on 12th January as National Youth Day to commemorate contributions of Shree Swami Vivekananda.

International Women's Day is celebrated on 8th March every year under auspices of women empowerment cell to recognize significant contributions of women towards society. International Yoga day celebrated on 21st June to create awareness on the importance of Yoga. National Science Day is celebrated on 28th February to mark the discovery of the Raman Effect by Indian physicist Sir C. V. Raman on February 28th 1928 and foster a sense of scientific temper amongst the young minds.

The World environment day is observed on 5th June to sensitize, create awareness, motivate and educate students about the importance of conservation of environment. As part of that, various activities are organized for the staff and students. Apart from these, events and guest lectures are regularly organized to instil a sense of national pride and gratitude towards sacrifices of great leaders of the country.

File Description	Document
Geotagged photographs of some of the events	View Document
Any other relevant information	View Document
Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Best Practice-I

Title of the Practice: Popularization of Basic Science among Rural High School Students

Objectives:

This initiative aims to stimulate scientific inquiry and create awareness among rural high school children about science education. We primarily focus to introduce various science streams to the students through simple, practical and realistic way which ignites their curiosity and attracts them to basic science. The main objectives of this practice are

- To propagate scientific temper and basic science avenues among rural high school students.
- To promote experiential learning by hands-on experiments
- To apply basic science concepts in day to day life
- To correlate this learning experience towards environmental consciousness

The Context:

The socio-economic development of a country depends mainly on its advancement in the field of science and technology. In present times, there is decline in the number of students opting for the basic science stream due to lack of awareness about its importance. Drawing the student's attention towards science streams at the high-school level will eventually attract them to higher education in the various branches of basic science. This practice aims at creating science awareness, classroom science teaching and practical exposures among the rural high school students which will encourage them to build their career in the basic science streams. Further, this would also create a generation of proficient scientists and expert professionals in the field of basic science.

The Practice:

For popularization of basic science in rural villages "Basic Science Popularization Cell" has been established in the college which includes subject experts from various departments. This cell identifies the target beneficiaries, prepares plan of action and monitors its execution.

The subject experts of our college interact with the student's of various rural high schools and stimulate their interest and curiosity in basic science subjects through presentation, experimental demonstration and use of models, charts, ICT enabled tools along with a live interactive session. It is impressed on students that learning science is joyful. This initiative acts as an inspiration among rural students and school teachers, making them pursue science education and build their career which will ultimately lead to enhancing research and innovation in future. This is also in tune with the national policies of higher education.

Evidence of Success:

The initiative of Promotion of Science in rural schools has resulted in some visible outcomes which are observed in increased enrollment of rural students to undergraduate programs. The networking between school science teachers and science resource persons has improved quality of science teaching at the school level. The faculties of the college after visiting the rural high schools were able to achieve the following set targets

- Students were motivated to prepare and exhibit science models in regional and state level science exhibitions. The students also participated in the science exhibition organized in the campus
- Enhanced creativity and learning experience in basic science
- Improvement in examination performance in science subjects
- Enhancement in environmental consciousness
- Increase in the student enrolment for the basic science subjects in higher education programmes

Problems encountered and resources required:

- Rural schools lack basic infrastructure to conduct scientific demonstrations
- Interaction with the rural high school students on science topics in the vernacular language poses as a challenge in simplifying the scientific concepts and introducing them to scientific terminology
- Requirement of a mobile laboratory
- Time constraint in conducting frequent programs during the regular college hours by the experts of our college also creates a problem in executing this practice

Best Practice-II

Title of the Practice: Jabinians as community rejuvenators

Objectives:

According to words of Sadhguru “**How deeply you can touch another life is how rich your life is,**” Jabinians planned for developing rural and semi urban communities present in the vicinity of the institution with an aim to build a better environment for the residents of the areas. The approach at initial stage focused in improving the quality of life of people and ensuring that they live a healthy and satisfying life. The key areas of emphasis were health and hygiene, education and creation of a sustainable environment. The major objectives of this practice are

- To provide initial health care facilities through free medical checkup camps for the poor population.
- To create awareness regarding health issues among the community and educate them to deal with communicable and non communicable diseases.
- To render education and health services to the people of siddi tribe of Gardolli.
- To create awareness regarding adverse effects of the environmental pollution

The Context:

India is a country where a significant section of the population resides in the villages. The progress and development of any country depends on the improved living conditions in both urban and rural areas where all the meaningful life supportive facilities, including healthcare facilities, will be adequately available for one and all. Even though the government runs several programs and policies for rural development, gaps in the implementation part have created a question mark on the successful outcomes concerning these policies and programs. Medical facilities are mostly deplorable in village areas. Healthcare is the right of every individual but lack of quality infrastructure, dearth of qualified medical functionaries, and non- access to basic medicines and medical facilities thwarts its reach to 60% of population in India. In rural parts of

the country, there is a scarcity of primary health care centers, around 8% of health care centers lack medical staff or doctors in number, 39% of them are running without a team of lab technicians, and 18% of them are deprived of a pharmacist.

To contribute towards this K. L. E Society's P. C. Jabin Science College took a step forward for organizing free medical camps at the rural areas. The medical camps help in combating diseases at an earlier stage. Besides providing primary health care, these camps also contribute towards raising awareness for adequate nutritious food, clean drinking water, dangers of environmental pollution and virtues of preventive health care. Besides this we also took initiatives in creating awareness regarding adverse effects of environmental pollution, importance of afforestation, motivate for energy conservation, clean and sustainable environment and kitchen safety.

The Practice:

K. L. E. Society's P C Jabin Science College strives to work towards community upliftment. The need for this aroused when the faculty and students conducted a survey on the living standards of the people in rural areas and problems faced by them in daily life. The major issues as per the survey were related to health and hygiene, disease management, lack of greenery in these areas, proper utilization of non renewable resources and lack of awareness of renewable energy, waste management and kitchen safety. Hence we prepared a road map on addressing these issues and initially began with the major problem of health care. A team consisting of dedicated Doctors, nurses, faculty members and principal of the college was constituted and free health check up camps organized. Necessary medical check-up was done and accordingly medicines were provided. In major cases the patient is either prescribed medicines from outside or referred to hospitals for in-detail check up. To create awareness pamphlets /leaflets /brochures related to public health were also distributed. Hundreds of beneficiaries participated in these camps and were satisfied with their disease diagnosis and medicine prescription. Secondly we addressed other issues step by step by organizing cleanliness drives, workshops related to promotion of the use of solar energy, adoption of plants to promote afforestation, water conservation, minimal use of plastic, kitchen safety etc., Along with this various environment oriented and disease management awareness programs were also conducted periodically. Also Blood donation camps were organized frequently wherein staff and students donate blood for social cause.

Evidence of Success:

- The health camps conducted were successful and around 500 availed the free consultation.
- Positive impact of awareness programs regarding cleanliness and lifestyle diseases amongst the people and their management.
- Blood Donation camps instilled voluntary humanitarian service amongst youth and zeal to serve the people in need.
- Efforts to develop sustainable solutions for environmental conservation have been made by the community people after participating in awareness programs.

Problems encountered and resources required:

- Feasibility and selection of location for conduct of activities that would best benefit the members of the community to avail the service
- Logistics in getting the necessary equipments for organizing free health camps

- Requirement of a mobile health clinic
- Time constraint for the conduct of follow up check up camps
- Difficulty in getting prior consent from local administrators for the conduct of awareness programs

File Description	Document
Best practices in the Institutional web site	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

EDUCATE TO EMPOWER

The vision of founders of K. L. E. Society's P. C. Jabin Science College was to be the institution of choice for science education and research in North Karnataka region which would manifest excellence and stimulate evolutionary progress in students. This is the first college in the region which voluntarily opted for NAAC assessment and was awarded four stars, subsequently "A" grade in 4th cycle with CGPA of 3.43. It is the only single science faculty college in the jurisdiction of Karnataka University and is committed to impart quality education since 1957 by providing knowledge and skills for students to face global challenges. The aims and objectives that the college has set for it have been pursued relentlessly. Institution has completed 65 years of its existence by providing quality, value based education and empowering students. Due to this the college stands as a premier Institution in north Karnataka well known for excellent academics, sports and other extra-curricular activities.

Highly qualified staff and good coordination amongst all stakeholders has created an organizational culture fostering innovation and enterprise for successful implementation of institution's vision and mission. Development of student centric teaching-learning model has been a successful strategy in imparting outcome based education. Orientation programs organized at beginning of the academic year give an idea about scope of course and skills required for building a career in it. Institution organizes various workshops, programs, seminars, competitions etc. that provide opportunities to conceptualize, plan and implement their ideas in the field of basic science. Students are exposed to experiential learning through internships, projects and industrial visits.

Well designed job oriented value added courses offered give additional skills and exposure to various sources of innovations and technology. Similarly the students get updated in their fields of interests through Online learning platforms like SWAYAM under the supervision of Mentors.

Institution has rich tradition and culture of inculcating a strong sense of self-reliance and resourcefulness in young minds. The college, true to its vision, imparts not just skill-sets but also ensures holistic development and grooms students to be self-confident and independent through various activities of NCC, NSS and YRC. This helps in nurturing socially responsible future leaders and provides hands on

experience in delivering community services.

To promote higher education and decrease dropout rates, financial assistance in the form of faculty sponsored and endowment scholarships are provided to deserving underprivileged students apart from the scholarships granted from state and central government. The college also offers Earn while you Learn Scheme which helps students focus on their education rather than searching sources for fulfillment of their daily needs.

A well organized placement cell provides placement opportunities in reputed companies by training students to face selection criteria with ease. An active Memorandum of Understanding with Honeywell International Inc. facilitates exclusive training of female students by experts. Women empowerment cell provides platform to showcase talents of girl students. It elevates self confidence which is the most pivotal step in life of an entrepreneur. Awareness workshops by MSME, Govt of Karnataka generate excitement in the young brains to produce innovation laying stones for entrepreneurship and motivating students for start-ups.

Constant support and active guidance of mentors help students in subjugating their blemishes and transcend their own self for a better future. Due to effective Mentor-Mentee system, students have excelled in many of intercollegiate extracurricular activities. They have also represented college in various state and National level events. NCC cadets have brought laurels to by participating in Republic Day Parades. The students have achieved the feats of University Blues by proper utilization of Sports facilities of the college which gives them an additional opportunity of choosing the same as their profession.

Alumni association strives to motivate students for achieving higher levels by organizing invited talks from eminent personalities. The association also felicitates achievers from various fields and presents their journey to students which in turn encourage them. The achievement of the alumni is also notified to the present students to boost their morale. Alumni association also sponsors seed money to carry out research projects which instills innovation in students.

Apart from these activities, the required knowledge is quite well transferred through course curriculum and its components to the students. The above activities foster the involvement of students towards society and its issues and enable them to transform into responsible citizens. The positive outcomes are achieved by designing the curriculum to meet the global requirements and through teaching-learning methods blended with ethical values. The structured induction of students into the curriculum enables to visualize the career opportunities and approach towards achieving them.

In addition to these, as per the directions from Govt. of India and Karnataka and institution's perspective plan of introducing Honors program, the Institution has implemented NEP-2020 from the academic year 2021-22. NEP-2020 envisioned an India centric education system contributes directly towards transforming the country sustainably into an equitable and vibrant knowledge society by providing high quality education to meet the aspiration of 21st century. It provides a comprehensive framework for holistic development of student laying special emphasis on development of creative potential of each individual.

Institution works in developing an eco-system for innovation, knowledge creation and transfer by encouraging staff and students to conduct basic science research by providing seed money. Financial support is extended for presentation of research papers at National/ International Conferences and Seminars. Also Orientation/Refresher Programs, Professional Development Programs, Capacity-building

and Skill-Enhancement Programmes are organized for students and staff to upgrade their skill sets. Apart from these, faculties have also been facilitated to participate in face-to-face or online faculty development programmes organized by HRDC or MHRD. The institution is recipient of PARAMARSH Scheme and is striving towards quality enhancement of unaided colleges.

Hence K. L. E Society's P. C Jabin Science College is proactively working to provide quality education and empower youth of the region, playing significant role in Nation building.

File Description	Document
Any other relevant information	View Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

The college is centrally located and has well equipped infrastructure, qualified staff, driven innovations we aim at moulding the students through teaching and field visiting so as to make students a better, self-reliant and responsible citizens. College undertook various initiatives for teachers and students to facilitate smooth transformation from physical classes to online classes during the Covid-19 pandemic period. Content delivery and assessment were carried out through Google for Education and Microsoft Teams. Exclusive mentoring and counseling were provided to help students with emotional issues during the pandemic. Adoption of student centered teaching methodologies with judicious blend of ICT and lecture based methodologies and experiential learning activities. Beyond the curriculum activities through departmental associations have made holistic development easier.

Concluding Remarks :

Envisioning charisma of quality education and youth empowerment through academic excellence and spiritual enlightenment, K. L. E. Society's P. C. Jabin Science College was established in 1957. Since then it is driven by a quest for excellence articulated in the vision, mission, goals and core values for intellectual, social and cultural augmentation of students.

A futuristic curriculum focusing on re-skilling and up-skilling engages students to emerge as better individuals during their academic pursuits. Qualified and trained faculty act as empowering agents to bring social change. Institution in its journey of 65 years, has strived for holistic development of students empowered them with wisdom and finesse, better communication and conflict management skills and qualities to face future challenges. This has made it one of the premier institution of North Karnataka.

Institution has garnered global attention because of the unique method of knowledge transfer that fosters enthusiasm for civic engagement and social commitment and instills a sense of participation in nation building. The ambience of college opens avenues for students to learn together and respect each other's differences, priorities and perspectives and to live together in positive affirmation. Multiple intelligences are developed through sports and cultural process. Concerted efforts are made for the placement and career development of students.

Institution offers need-based free-ships and scholarship programmes to students from varied socio-economic backgrounds. Financial schemes and seed money are provided to encourage research.

A comprehensive Human Resource Plan implements faculty development, career advancement scheme, welfare measures for faculty progression. Extension Services have nurtured community engagement with the marginalized communities. Inclusive, accessible and differently-abled friendly institution with facilities of e-governance; good infrastructure, e-content development centres and e-learning platforms act as pathway for the future.

Institution aspires towards excellence by moulding dynamic young leaders with a passion to make positive contributions leading to the prosperity of the society and the nation at large. True to its motto of love, truth and selfless service, institution is venturing into wider horizons relying on equity, accessibility, affordability,

accountability and quality- the foundational pillars of the New Education Policy 2020.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.2	<p>Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</p> <p>1.2.2.1. Number of Programmes in which CBCS / Elective course system implemented. Answer before DVV Verification : 23 Answer after DVV Verification: 17</p> <p>Remark : DVV has made the changes as per EP-1.1</p>																				
3.4.4	<p>Number of books and chapters in edited volumes / books published per teacher during the last five years</p> <p>3.4.4.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>4</td> <td>13</td> <td>41</td> <td>21</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>4</td> <td>17</td> <td>44</td> <td>22</td> </tr> </tbody> </table> <p>Remark : DVV has made the changes as per shared report by HEI.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	12	4	13	41	21	2021-22	2020-21	2019-20	2018-19	2017-18	15	4	17	44	22
2021-22	2020-21	2019-20	2018-19	2017-18																	
12	4	13	41	21																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
15	4	17	44	22																	
3.6.3	<p>Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years</p> <p>3.6.3.1. Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>133</td> <td>55</td> <td>23</td> <td>24</td> <td>5</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>126</td> <td>52</td> <td>22</td> <td>16</td> <td>5</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	133	55	23	24	5	2021-22	2020-21	2019-20	2018-19	2017-18	126	52	22	16	5
2021-22	2020-21	2019-20	2018-19	2017-18																	
133	55	23	24	5																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
126	52	22	16	5																	
3.6.4	Average percentage of students participating in extension activities listed at 3.6.3 above during																				

the last five years**3.6.4.1. Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
2139	1531	1616	1942	249

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
2139	1418	1603	1737	249

5.3.3 Average number of sports and cultural events / competitions organised by the institution per year**5.3.3.1. Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
60	27	44	28	3

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
72	27	44	28	3

Remark : DVV has made the changes as per shared report by HEI.

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	Number of programs offered year-wise for last five years Answer before DVV Verification: <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>23</td> <td>17</td> <td>17</td> <td>17</td> <td>17</td> </tr> </tbody> </table> Answer After DVV Verification: <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>17</td> <td>17</td> <td>17</td> <td>17</td> <td>17</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	23	17	17	17	17	2021-22	2020-21	2019-20	2018-19	2017-18	17	17	17	17	17
2021-22	2020-21	2019-20	2018-19	2017-18																	
23	17	17	17	17																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
17	17	17	17	17																	
2.5	Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)																				

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
144.77129	168.39185	269.22090	405.4212	449.4592

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
144.77129	168.39185	284.21	405.4212	449.4592