

ANNUAL QUALITY ASSURANCE REPORT (AQAR)

(Academic Year: 2015- 16)

SUBMITTED

To

**National Assessment and Accreditation Council
(NAAC)
Bangalore**

BY



INTERNAL QUALITY ASSURANCE CELL (IQAC)

Langat Singh College, Muzaffarpur

(NAAC Grade – ‘A’)

(A constituent unit of BRA Bihar University, Muzaffarpur)

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

Data of the Institution

1. Name of the Institution : Langat Singh College
- Name of the Head of the institution : Dr. Om Prakash Roy
 - Designation : Principal
 - Does the institution function from own campus : Yes
 - Phone no./Alternate phone no. : 0621-2242261
 - Mobile no. : +91-9431800974
 - Registered e-mail : lscollegeprincipal@gmail.com
 - Alternate e-mail : lscollege-princ-bih@gov.in
 - Address : Kalambagh Road, Muzaffarpur
 - City/Town : Muzaffarpur
 - State/UT : Bihar
 - Pin Code : 842001
2. Institutional status:
- Affiliated / Constituent: Constituent
 - Type of Institution: Co-education /Men/Women : Co-education
 - Location : Rural/Semi-urban/Urban : Urban
 - Financial Status: Grant-in-Aid
 - Name of the Affiliating University : B. R. A. Bihar University, Muzaffarpur, Bihar
 - Name of the IQAC Co-ordinator : Prof. S. K. Mukul
 - Phone no. : 0621-2242261
 - Alternate phone no. :
 - Mobile: : 9572103506
 - IQAC e-mail address : lscollegeprincipal@gmail.com

- Alternate Email address: lscollege-princ-bih@gov.in

3. Website address: www.lscollege.ac.in

Web link of the AQAR: (Previous Academic Year): first AQAR of the Second Cycle

4. Whether Academic Calendar prepared during the year?

Yes/No : if yes, whether it is uploaded on the Institutional website: Yes

Web link: Academic calendar was prepared but could not be uploaded timely on the college website.

Academic Calendar for the Undergraduate Courses for the Academic Year 2015-2016

Description	Date
Fresher's Meet	16 th July, 2015
Classes Begin	18 th July, 2015
X-mas Break	24-12-2015 to 31-12-2015
Classes begin after X-mas Break	2 nd January, 2016
Dispersal of Classes	10 th May, 2016
University Exams	15 th May, 2016
Summer Vacation	01-06-2016 to 30-06-2016

As the semester system at the postgraduate level has been recently introduced, P. G. examinations are getting streamlined, So the Calender is flexible now.

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	3.05	2014	10.12.2014 to 09.12.2019

6. Date of Establishment of IQAC: 23.06.2011

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Feedback from students	02-09-2015	200
Feedback from parents	05-09-2015	52
Analysis of students' & parents' feedback	15-09-2015	252
Financial Audit (Internal & External).	In the process	
Proposal submitted to Bihar Govt.	20-05-2016	

under RUSA		
Heritage status granted from UGC	2015	
Expert Lecture organised by Dept. of Physics	16-03-2015	25

Note: Some Quality Assurance initiatives of the institution are:

(Indicative list)

- Timely submission of AQAR
- Feedback from students
- Feedback from parents
- Analysis of students' & parents' feedback
- Financial Audit (Internal & External).
- Prepare proposal for RUSA
- Organized Expert Lecture
- Introduced more vocational courses

8. Provide the list of funds by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
L.S. College, Muzaffarpur	RUSA	SHEC, Government of Bihar, Patna	2016	1 Crore
Science Department, L.S. College, Muzaffarpur	DST-FIST	Department of Science & Technology, Government of India	2016	60 lakh
L.S. College, Muzaffarpur	Heritage Status	UGC	2015	15 lakh

9. Whether composition of IQAC as per latest NAAC guidelines: Yes

10. No. of IQAC meetings held during the year: 04

The minutes of IQAC meeting and compliance with the decisions have been uploaded on the institutional website :

(Please upload minutes of meetings and action taken report)

Yes, www.lscollge.ac.in

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? : Yes, 3 Lakh from UGC Year: 2014-2019

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

- Academic calendar (2015-16) prepared
- Strengthening of Feedback Mechanism
- Special provisions for below-average students
- Movement for plastic-free zone

- Extensive plantation

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

Plan of Action	Achievements/Outcome
Academic Calendar	Academic Calendar (2015-2016)
Feedback from students	Analysis of the feedback report from students
Feedback from parents	Analysis of the feedback report from parents
Financial Audit (Internal & External).	In progress
Proposal for RUSA prepared	The college prepared Institutional Development Plan in the consultation with IQAC and the proposal was submitted to MHRD for grants. The Rashtriya Uchchatar Shiksha Abhiyan (RUSA) also sanctioned grants of Rs. 2 crore under component-9.

14. Whether the AQAR was placed before statutory body? : Yes

Name of the Statutory body: Development Committee Date of meeting(s): 16.12.2016

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning? : No

16. Whether institutional data submitted to AISHE: Yes

Year: 2015-16 Date of Submission: 19/02/2016

17. Does the Institution have Management Information System? : Yes

If yes, give a brief description and a list of modules currently operational.
(Maximum 500 words)

The College has Management Information System. It has different modules like Administration, Accounts, Admission, Teaching, Library, etc. These modules are linked together and have centralized database. We have updated the college website with the active participation of the students of BCA and BBA. The college is trying to develop a software which can make academic and other activities in a college automated, organized and integrated. It will help in maintaining the entire record, beginning from admission process to the completion of the course.

Part-B

CRITERION I – CURRICULAR ASPECTS					
1.1 Curriculum Planning and Implementation					
1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words					
<p>L. S. College has well organized mechanism for teaching, research and other activities. Teaching is imparted with the help of ICT. The faculty use projectors, sometimes K-Yan, in the classroom for the proper delivery of lecture. Slides are prepared for Power Point Presentations. Some of our classes are smart, equipped with adequate electronic devices comprising audio-visual aids. Besides curriculum delivery, other activities are also organised for students, such as quiz, elocution, group discussion, debates, etc. Seminars and symposia are also organised to enlighten students on different topics included in college curriculum. Students are also assigned to do the Project Work on different topics within stipulated period of time. So far as the documentation is concerned, the record of all the project works is maintained. Power Point Presentation is given and also documented. After activities, certificates are also distributed among students as the appreciation of their active participation and extraordinary performance.</p>					
1.1.2 Certificate/ Diploma Courses introduced during the Academic year					
Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development	
None	None	None	None	None	
1.2 Academic Flexibility					
1.2.1 New programmes/courses introduced during the Academic year					
Programme with Code	Date of Introduction	Course with Code	Date of Introduction		
None	None	None	None	None	None
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.					
Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
None	None	None	None	None	
Already adopted (mention the year)					
1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year					
	Certificate		Diploma Courses		
No of Students	No		No		
1.3 Curriculum Enrichment					
1.3.1 Value-added courses imparting transferable and life skills offered during the year					
Value added courses	Date of introduction	Number of students enrolled			
None	None	None			

1.3.2 Field Projects / Internships undertaken during the year	
Project/Programme Title	No. of students enrolled for Field Projects / Internships
1. "Production of baked food products and their marketing in Vaishali".	No of students enrolled for Field Projects in Industrial Microbiology(IMB): 22
2. "Industrial training" at Sudha Dairy, Muzaffarpur.	
3. "Mushroom Cultivation" at Pusa	
4. "Summer training in the area of quality control" at Lupin pharmaceutical, East Sikkim	

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

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

Feedback obtained from students is analysed by Feedback Analysis Committee. After analysis the Committee submits report regarding teachers and suggest how to improve their quality of teaching. But these reports are kept confidential. Special classes are arranged for below-average students on the basis of the feedback obtained from them. Utmost care is taken for the removal of specific doubts. On the other hand, teachers are also informed of their limitations and at the same time urged for improvement in their teaching style, keeping in mind the requirements of the students. The remarks of students about teachers, though kept confidential, are given prime consideration. The fact is that teachers are meant for students. They are from time to time advised to be up to date and be useful to students. They are asked to adopt new ways of teaching with changing situations in different classroom.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.A.	1757	993	957
B.Sc	937	489	485
B.Com	318	155	148
M.A.	1050	313	307

M.Sc.	550	205	201
IMB	50	21	21
BBA	91	69	69
B. C. A	94	239	94
BMC	50	22	22
BLIS	40	22	22
COMMERCE	250	173	173
GEOGRAPHY	150	87	87

2.2 Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses	Ratio
2015-16	2078	508	63	63	63	41:1

2.3 Teaching - Learning Process

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

Number of teachers on roll	Number of teachers using ICT (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
63	35	Computer, Smart Classroom, PPT Presentation etc.	10	04	PPT & Smart Classroom

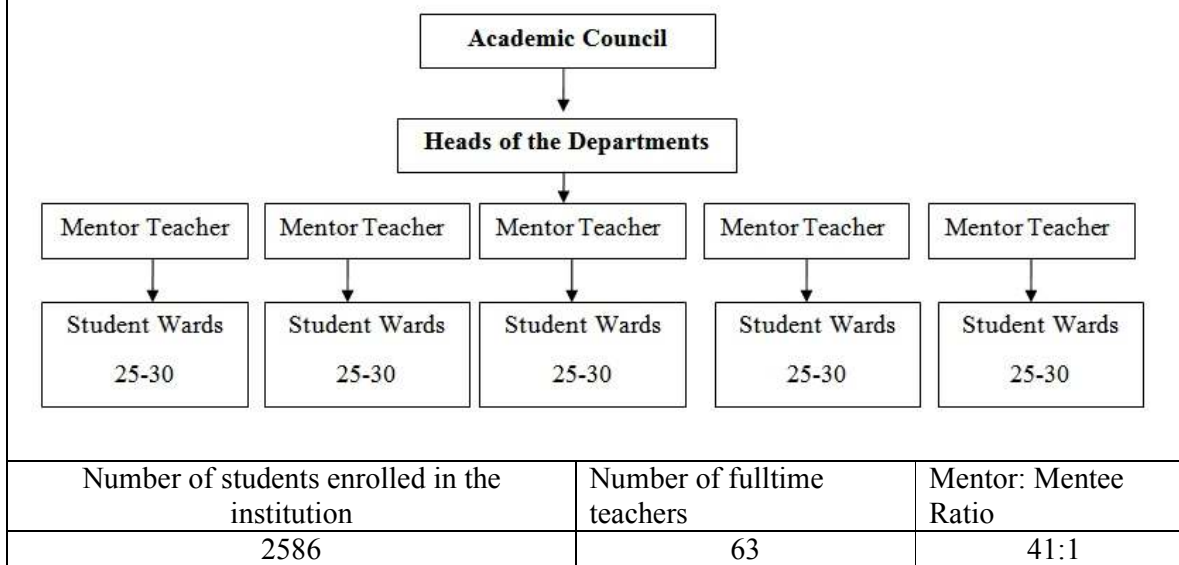
2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

Under Students Mentoring System, each teacher has a group of thirty-three students. He not only teaches them in the classroom but also guides them personally outside the class. He motivates them for higher studies and entrepreneurship. He creates awareness among students regarding moral values and goal achievements. In this way, better environment on campus is

created.

There are several types of mentoring. For example, professional guidance, career advancement, course-specific, lab-specific, etc. Professional guidance is given to students in order to help them achieve their professional goals. Mentors help students in career advancement regarding self-employment opportunities, entrepreneurship development and morale, honesty and integrity required for career growth. Course-specific guidance is also given to students regarding attendance and performance in the present semester and overall performance in the previous semester. Lab-specific mentoring is done regarding Dos and Don'ts in the lab.

The mentor has a lot of responsibilities to shoulder. He meets the group of students at least twice a month. He monitors, counsels, guides and motivates the students in all academic matters. He advises students in the selection of electives, project work, summer training, etc. Sometimes, he has to contact their parents if situation demands in the case of academic irregularities, negative behavioural changes and interpersonal relations, detrimental activities etc. He also keeps contact with the students even after their graduation is over. He intimates HoD and suggests administrative action if required. The HoD meets all the mentors of the department and discusses with them the relevant problems of students. Whenever required, he gives mentors proper advice and initiates administrative action. The college has also academic council to look after the mentoring system. The following is the plan of the mentoring system:



2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
93	63	30	11	63

2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2015	Dr. Shail Kumari Bhagwan Buddha National Fellowship Award, 2015	Professor	-
2015	Dr. Shail Kumari Global Achiever Pacific Award – 2014	Professor	Global Society for Health and Educational Growth at Dehradun

2.5 Evaluation Process and Reforms

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

Program me Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
B.A.	B.A.	Year	April	June
B.Sc.	B.Sc.	Year	April	June
B.Com	B.Com	Year	April	June
M.A.	M.A.	Semester	December / June	January / July
M.Sc.	M.Sc.	Semester	December / June	January / July

2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words):

The College has introduced several reforms in Continuous Internal Evaluation (CIE) of students. Reforms in CIE at the Institutional Level form an integral part of teaching and learning process. Students are made aware of the evaluation process by holding meetings and arranging orientation programmes. Our Teaching Plan also contains evaluation procedures. Results are put up on Notice Boards. Results are analysed by class tutors after every test. Pass percentage of each course is calculated by dividing the total number of students appeared and passed in each course. The performance of the students is monitored by the Principal and the necessary feedback is given to the concerned faculty members. The Principal conducts Review Meetings department wise to give necessary feedback for the Progress Reports and improvement of students' performance. Parents' Meetings are regularly held. The college is keen on monitoring the performance of the students and forwarding reports to the Parents. Progress Reports are sent by the tutors to the parents after each of the test. Parents/ Guardians are advised to note the performance of their wards and take remedial measure if needed. Whenever necessary, the tutor shall recommend the visit of the parent to the college for a discussion about the Remedial Classes which are conducted for the slow learners and absentees. Remedial classes are also arranged for students who participate in Sports, NSS and NCC activities.

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

- Each department of the college follows the academic calendar issued by the university. The syllabus is divided into units which are to be finished by a given deadline.
- The progress of the syllabus is monitored through the feedback taken from the students by senior most members of faculty and communicated to the IQAC and the Principal for review.
- In the departmental council meetings, the staff members of various teaching departments prepare academic plans for the coming academic year in the light of the IQAC decisions and recommendations.
- Teachers are apprised of the decisions of IQAC and encouraged to impart the curriculum through innovative teaching method like presentations, assignments, discussions, workshop, seminars, industrial visits (wherever required), computer education etc., apart from traditional (chalk & talk) teaching methods.

2.6 Student Performance and Learning Outcomes

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

To facilitate the achievement of the intended learning outcomes the teaching, learning and assessment strategies are evaluated and discussed by each department as per the feedback received from students. The outcome of such discussions is then placed before HODs

committee, IQAC and college research committee for discussions and recommendations.

Web link : www.lscollege.ac.in

2.6.2 Pass percentage of students

Program me Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
B.A.	B.A.	1460	1394	95.5%
B.Sc.	B.Sc.	1567	1001	63.9%
B.Com	B.Com	310	277	89.4%
M.A.	M.A.	1029	461	44.8%
M.Sc.	M.Sc.	436	125	28.7%

2.7 Student Satisfaction Survey

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

The following questionnaire has been prepared by the college for Student Satisfaction Survey (SSS) regarding teaching learning process.

Web Link: www.lscollege.ac.in

1. How much of the syllabus was covered in the class?

4 – 85 to 100%

3 – 70 to 84%

2 – 55 to 69%

1 – 30 to 54%

0 –Below 30%

2. How well did the teachers prepare for the classes?

4 –Thoroughly

3 – Satisfactorily

2 – Poorly

1 – Indifferently

0 – Won't teach at all

3. How well were the teachers able to communicate?

4 – Always effective

3 – Sometimes effective

2 – Just satisfactorily

1 – Generally ineffective

0 – Very poor communication

4. The teacher's approach to teaching can best be described as

4 – Excellent

3 – Very good

2 – Good

1 – Fair

0 – Poor

5. Fairness of the internal evaluation process by the teachers.
 - 4 – Always fair
 - 3 – Usually fair
 - 2 – Sometimes unfair
 - 1 – Usually unfair
 - 0– Unfair

6. Was your performance in assignments discussed with you?
 - 4 – Every time
 - 3 – Usually
 - 2 – Occasionally/Sometimes
 - 1 – Rarely
 - 0– Never

7. The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.
 - 4 – Regularly
 - 3 – Often
 - 2 – Sometimes
 - 1 – Rarely
 - 0– Never

8. The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.
 - 4 – Significantly
 - 3 – Very well
 - 2 – Moderately
 - 1 – Marginally
 - 0– Not at all

9. The institution provides multiple opportunities to learn and grow.
 - 4 – Strongly agree
 - 3 – Agree
 - 2 – Neutral
 - 1 – Disagree
 - 0– Strongly disagree

10. Teachers inform you about your expected competencies, course outcomes and programme outcomes.
 - 4 – Every time
 - 3 – Usually
 - 2– Occasionally/Sometimes
 - 1 – Rarely
 - 0– Never

11. Your mentor does a necessary follow-up with an assigned task to you.
 - 4 – Every time
 - 3 – Usually
 - 2 – Occasionally/Sometimes
 - 1 – Rarely
 - 0 – I don't have a mentor

12. The teachers illustrate the concepts through examples and applications.
4 – Every time
3 – Usually
2 – Occasionally/Sometimes
1 – Rarely
0 – Never
13. The teachers identify your strengths and encourage you with providing right level of challenges.
4 – Fully
3 – Reasonably
2 – Partially
1 – Slightly
0 – Unable to
14. Teachers are able to identify your weaknesses and help you to overcome them.
4 – Every time
3 – Usually
2 – Occasionally/Sometimes
1 – Rarely
0 – Never
15. The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.
4 – Strongly agree
3 – Agree
2 – Neutral
1 – Disagree
0 – Strongly disagree
16. The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.
4 – To a great extent
3 – Moderate
2 – Some what
1 – Very little
0 – Not at all
17. Teachers encourage you to participate in extracurricular activities.
4 – Strongly agree
3 – Agree
2 – Neutral
1 – Disagree
0 – Strongly disagree
18. Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.
4 – To a great extent
3 – Moderate
2 – Some what
1 – Very little
0 – Not at all

19. What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.

- 4 – Above 90%
- 3 – 70 – 89%
- 2 – 50 – 69%
- 1 – 30 – 49%
- 0 – Below 29%

20. The overall quality of teaching-learning process in your institute is very good.

- 4 – Strongly agree
- 3 – Agree
- 2 – Neutral
- 1 – Disagree
- 0 – Strongly disagree

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	4 Years	ICHR	3,50,000/-	2,75,000/-
Minor Projects	2 Years	UGC	1,35,000/-	1,35,000/-
	2 Years	UGC	2,60,000/-	1,75,000/-
	2 Years	UGC	1,90,000/-	1,15,000/-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students Research Projects (other than compulsory by the College)	-	-	-	-
International Projects	One Year	S.B.A.University, Alkharj, KSA	Rs. 6,80,000.00	Rs. 6,80,000.00
	One Year	S.B.A.University, Alkharj, KSA	Rs. 7,14,000	Rs. 7,14,000.00
	Two Yars	S.B.A.University, Alkharj, KSA	Rs. 500,000.00	Rs. 500,000.00

Any other(Specify)	-	-	-	-
Total	-	-	-	-
3.2 Innovation Ecosystem				
3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year				
Title of Workshop/Seminar	Name of the Dept.		Date(s)	
-	-		-	
3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
-	-	-	-	-
3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year				
Incubation Centre	Name		Sponsored by	
-	-		-	
Name of the Start-up	Nature of Start-up		Date of commencement	
-	-		-	
3.3 Research Publications and Awards				
3.3.1 Incentive to the teachers who receive recognition/awards				
State	National		International	
02	01		-	
3.3.2 Ph. Ds awarded during the year (<i>applicable for PG College, Research Center</i>)				
Name of the Department		No. of Ph. Ds Awarded		
PHYSICS		04		
CHEMISTRY		01		
BOTANY		01		
ZOOLOGY		-		
MATHEMATICS		-		
ELECTRONICS		-		
PSYCHOLOGY		02		
HISTORY		03		
ECONOMICS		01		
POLITICAL SCIENCE		02		
PHILOSOPHY		02		
HINDI		03		
ENGLISH		02		
SANSKRIT		01		
URDU		-		
BHOJPURI		02		
GEOGRAPHY		-		
COMMERCE				
3.3.3 Research Publications in the Journals notified on UGC website during the year				

	Department	No. of Publication	Average Impact Factor, if any
National	PHYSICS	12	4.2
International		02	
National	CHEMISTRY	04	1.0
International		52	1.0
National	BOTANY	03	-
International		-	
National	ZOOLOGY	02	-
International		01	-
National	MATHEMATICS	05	-
International		01	-
National	ELECTRONICS	-	-
International		-	-
National	PSYCHOLOGY	2	2.34
International		2	3.07
National	HISTORY	05	-
International		-	-
National	ECONOMICS	06	
International		09	0.4
National	POLITICAL	07	-
International	SCIENCE	02	-
National	PHILOSOPHY	06	-
International		-	
National	HINDI	10	-
International		01	-
National	ENGLISH	09	-
International		02	
National	SANSKRIT	02	
International		-	
National	URDU	-	
International		-	
National	BHOJPURI	04	
International		-	

3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
PHYSICS	10
CHEMISTRY	Books – 02 (International) Chapter -03 (International)
BOTANY	02
ZOOLOGY	-
MATHEMATICS	-
ELECTRONICS	-
PSYCHOLOGY	05
HISTORY	04
ECONOMICS	02

POLITICAL SCIENCE	04
PHILOSOPHY	02
HINDI	05
ENGLISH	12
BHOJPURI	04

3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	number of citations excluding self citations
“Thomas Hardy: A Transition Figure among the Victorians”,	Dr. Shailendra Kumar Mukul	The Indian Journal of English Studies (0537-1988),	2014		The Official Organ of the Association for English Studies in India, Vol. LI, Patna.	
“A Journey From Grammar to Linguistics,”	Dr. Shilendra Kumar Mukul	Journal of English Language and Literature (2347-9779),	2014		Vol. I No. 2, Moradabad Institute of Technology, Moradabad.	
“Myth: An Expression of the Deep Unconscious,”	Dr. Shailendra Kumar Mukul	The Literary Pearls: An International Refereed Research Journal (2319-8001)	2014		Vol. 2, P. G. Dept. of English, B. N. College, Patna	

					Univer sity	
“Symbolism: Its Origin, Growth and Significance,”	Dr. Shailendra Kumar Mukul	Unheard Melody (2229-4236), Vol. 11,	2014		Sarup Book Publishers, New Delhi.	
“Prufrock’ and ‘Portrait of a Lady’: Mere Dramatizations of Love”,	Dr. Shailendra Kumar Mukul	The Literary Pearls: An International Refereed Research Journal (2319-8001)	2015		Vol. 3, P. G. Dept. of English B. N. College , Patna Univer sity.	
“Spoken English: Its Varieties in India and Abroad,”	Dr. Shailendra Kumar Mukul	The Indian Journal of English Studies (0537-1988),	2017		The Official Organ of the Associ ation for English Studies in India, Vol LIV, Roorke e.	
“Study of Remote File Attacking- Inclusion and Detection”	Dr. Bhawana Sinha, Dr. D. K. Singh and Dr. Pankaj Kumar	International Journal of Science, Engineering and Advance Technology (IJSEAT), Vol-2, Issue- 9, Sep.2014 (ISSN. 2321-6905).	2014			

“Wireless Mesh Network Based on Design and Implementation”,	Dr. Md. Rashid Hussain and Dr. Pankaj Kumar	International Journal of Advance Research in Science and Engineering (IJARSE), Vol-3, Issue-4, ISSN. 2319-8354(E)	2014			
“Dependence of Reflection and Transmission Co-efficient of Microstriplive in Directional Coupler”.	Dr. Raghwendra Kumar, Pankaj Kumar and Sonjuli Mrinalee	International Journal of Engineering and Technology (IRJET), Vol. 2, Issue-5, e-issn 2395-0056, PISSN. 2395-0072,	2015			
“Study of RFID Security Threats and Authentication Protocols”,	Dr. Narayan Kumar and Dr. Pankaj Kumar	Journal of Physical Science, Vol-9, No-01, P. 18-27 (ISSN. 0975-5519)	2017			
“Analytical Study on Security and Performance of RFID Security Protocol”,	Dr. Narayan Kumar, Dr. Pankaj Kumar, and Dr. K. B. Singh	International Journal of Scientific and Engineering Research (IJSER), ISSN. 2229-5518 (Accepted for Pub.)	2017			
“Experimental Investigations of Wearable Antenna on Flexible Perforated Plastics substrate”	Dr. Raghwendra Kumar, Dr. Pankaj Kumar, Dr. Nisha Gupta and Rahul Dubey	Microwave and Optical Technology Letters, Vol. 69, No. 2, (ISSN No.1098-2760)	2017			

“Theoretical Study of Transport Properties of Liquid Semiconductor ”	Dr. Manisha Samarth, Dr. Anjana Kumari, Dr. Satyendra Prasad Singh, Surendra Roy and Tarun kumar Dey	In Journal of Physical Science, Vol-4(2), 18-107-116, ISSN : 0975-5519	2014			
“Study of Scattering from Target at Low Altitude above Rough Sea Surface”	Dr. Surendra Roy	Published in An International Journal of Emerging Technologies and Innovative Research, Vol.-5, ISSN : 2349-5162	2018			
“Study of Influence of the Rough Boundary on Radar Reflectivity of Isotropic Reflector”	Dr. Surendra Roy	Published in International Journal of Advance Engineering and Research Development, Vol.5,	2018			
“Study of Signal Distortion by Radar System for Mars Atmosphere”	Dr. Surendra Roy	Published in International Journal of Emerging Technology and Advance Engineering, ISSN : 2250-2459 (Online) Vol.-8,	2018			
“Stability of liberation point of the motion of a system of two cable-connected artificial satellites under the influence of earth’s magnetic field,	Dr. J. D. Prasad and Dr. S. Kumar	Vol-(20), Physical Science), pp. 36-44, (I. F. :1.4)	2014		Jr. P. A. S., Jaunpur, India	

solar radiation pressure, shadow of the earth's oblateness in an elliptic orbit.”						
“Condition of constrained motion of a cable-connected satellites system at low altitude”	Dr. S. Kumar and Dr. S. Kumar		2015		Jr. P. A. S., Jaunpur, India, Vol. (21) (Physical Science), pp. 11-18.(I. F.:1.4)	
“Non-linear planar oscillation of a cable-connected satellites system and non-resonance”	Dr. S. Kumar and Dr. J. D. Prasad	Vol. 63 (1,2), pp. 01-14(I. F.: 1.8)	2015		Indian Jr. Th. Phy. Kolkata.,	
“A cable-connected satellites system under several influences”	Dr. S. Kumar and Dr. S. Kumar	Vol. 63. (1, 2), pp. 41-51, (I. F.: 1.8)	2015		Indian Jr. Th. Phy., Kolkata.,	
“Equilibrium positions of a cable-connected satellites system under several influences”,	Dr. S. Kumar and Dr. S. Kumar	Vol. 06, pp. 288-292 (I. F.: 1.0)	2015		International Jr. Astro. & Astrophysics, China,	
“Stability of equilibrium position of a cable-connected satellites system under	Dr. S. Kumar and Dr. S. Kumar	Vol. 03 (Issue 08, August), pp. 12-18. (I. F.: 3.96)	2016		International, Jr. Physical & App. Science	

several influences”,						
“A cable-connected satellites system under several influence of general nature and elliptical orbit”,	Dr. S. Kumar	Vol. 04 (Issue 07, July), pp. 01-11.(I.F.: 4.)	2017		International Jr. Physical and App. Science	
“Constrained motion of an inelastic cable-connected satellites system under several influences of general nature”	Dr. S. Kumar	Vol. 04, September) pp. 15-22. (I. F. 4.65)	2017		International, Jour. Phy. & App. Sci.,	
“Equilibrium positions of a cable-connected satellites system under the influence of solar radiation pressure, earth’s shadow, earth’s oblateness and air resistance: elliptical orbit”	Dr. S. Kumar and Dr. S. Kumar	Vol. 05, (Issue 07, July) pp. 15-21. (I. F.: 4.65)	2018		International Jr. Physical & App. Science	
“Lattice Dynamics of Diamond”	Dr. Nutan Kumari and Dr. S. K. Mishra	Research Journal of Physical Sciences., 3(5)	2015			
“Fluctuation in non-equilibrium plasma: A theoretical approach”	Dr. Rajendra Prasad	Wisdom Herald Vol-V, No.-3	2014			
“Einstein Energy Momentum Complex for a Schwarzschild	Dr. Rajendra Prasad	Universal Review Vol.- V,	2014			

black hole metric		No.-2				
Einstein Energy-Momentum Complex for a charged dilation black hole metric”	Dr. Rajendra Prasad	Parisheelan, Vol.-X, No.-4	2014			
“Einstein Energy-Momentum Complex for a Phantom black hole metric”	Dr. Rajendra Prasad	Chinese Physics Letter Vol.-32, No.-2	2015			
“A thermionic model of polysilicon emitter and its temperature dependence”	Dr. Rajendra Prasad	Universal Review Vol.-VI, No.-2	2015			
“Study of nucleation and crystallization behaviour of nano-sized magnetic particles by small angle neutron scattering”	Dr. Rajendra Prasad	Wisdom Herald Vol-VI, No.-3 & 4	2015			
Towards total energy of Bianchi Type-1, Universe Using Landau and Lifshitz energy-momentum complex	Dr. Rajendra Prasad	Wisdom Herald Vol-VI, No.-3 & 4	2016			
“Energy-momentum distribution of wormhole matrices”	Dr. Rajendra Prasad	Chinese Physics Letter Vol.-34, No.-4	2017			
Crystal structure of 4-(3-methoxy-2-oxidobenzylidene)azaniumyl)benzoic acid methanol	Saima Kamaal, Md. Serajul Haque Faizi, Akram Ali, M. Ahmad,	Acta Crystallographica Section E: Crystallogra	2018		Langat Singh College, B. R. A.	

monosolvate		phic Communicat ions			Bihar Univer sity, Muzaff arpur	
Crystal structure of bis (S)-2-(2-hydroxybenzyl amino) – 4-methylpentanoato-k2N, O1](1, 10-phenanthroline-k2N, N' cadmium dihydrate	Md. Serajul Haque Faizi, Necmi Dege, James Pogrebetsky, Turganbay S Iskenderov	Acta Crystallographica Section E: Crystallographic Communications	2018		Langat Singh College , B. R. A. Bihar University, Muzaffarpur	
Structural characterization and DFT study of bis {(S)-2-[-hydroxybenzyl amino]-3-(4-hydroxyphenyl) propanoato-k2N, N'} cadmium (II) tetrahydrate	Md. Srajul Haque Faizi, Necmi Dege, James Pogrebetsky, Turaganbay S Iskenderov	Acta Crystallographica Section E: Crystallographic Communications	2018			
A selective 'turn-on' fluorescent chemosensor for detection of Al ³⁺ in aqueous medium: Experimental and theoretical studies	Mukesh Kumar, Amit Kumar, Md. Serajul Haque, Faizi, Santosh Kumar, Mantu Kumar Singh, Sumanta Kumar Sahu, Shyam Kishor, Rohith P John	Sensors and Actuators B: Chemical	2018	8	Jamia Millia Islamia (Central University), New Delhi	
Solvent Relaxation Accompanied Ultrafast Excited State Proton Transfer Dynamics Revealed in a Salicylideneani	Puspall Mukherjee, Aritra Das, Md. Serajul Haque Faizi, Pratik Sen	Chemistry Select	2018	01	Langat Singh College , B. R. A. Bihar University, Muzaff	01

line Derivative					arpur, Bihar	
Next Generation Antineoplastic Agents: A Review on Structurally Modified Vinblastine (VBL) Analogues	Ashanul Haque, Md. A. Rahman, Md. SH Faizi, Muhammad S Khan	Current medicinal chemistry	2018	01	College of Science , sultan Qaboos Univer sity, Muscat , Oman	01
Experimental and theoretical characterization of organic salt: 2-((4-bromophenyl) amino) pyrido [1, 2-a] wiompcs;om-11-ium bromide monohydrate synthesized via oxidative cyclization	Md. Serajul Haque Faizi, Mohammad Jane Alam, Ashanul Haque, Shabbir Ahmad, M Shahid, Musheer Ahmad	Journal of Molecular Structure	2018	2	Jamia Millia Islamia (Centra l Univer sity), New Delhi	01
Crystal structure and DFT study of (E)-4-[(4-[(pyridin-2-ylmethylidene) amino] phenyl) amino] methyl phenol	Md. Serajul Haque Faizi, Necmi Dege, Turganbay S Iskenderov	Acta Crystallogra phica Section E: Crystallogra phic Communicat ions	2018		Langat Singh College , B. R. A. Bihar Univer sity, Muzaff arpur	
2-Amino-5-chlorobenzophe none	Siddiqui Nazia and Turaganbay Iskenderov Saleem Javed, Md. Serajul Haque Faizi	IUCr DATA	2018		Langat Singh College , B. R. A. Bihar Univer sity, Muzaff arpur	

Synthesis, characterization, and pharmacological studies of	Ashanul Haque, Ming-Fa Hsieh, Syed Imran Hassan, Md.	Journal of Molecular Structure	2017	2	College of Science, Sultan Qaboos University, Muscat, Oman	2
ferrocene-IH-1,2,3-triazole hybrids	Srajul Haque Faizi, Anannya Saha, Necmi Dege, Jahangir Ahmad Rather, Muhammad S Khan					
Crystal structure and DFT study of (E)-2, 6-di-tert-butyl-4-{{2-(pyridin-2-yl)hydrazine-1-ylidene}methyl}phenol	Md. Serajul Haque Faizi, Ashanul Haque, Mustafa Dege, Necmi Dege, Maria L Malysheva	Acta Crystallographica Section E: Crystallographic Communications	2017		College of Science, Sultan Qaboos University, Muscat, Oman	
Co (II), Ni (II), Cu(II) and Zn(II) complexes of acenaphthoquinone 3—(4-benzylpiperidyl) thiosemicarbazone: Synthesis, Structural, electrochemical and antibacterial studies	Santosh Kumar, Arti-Hansda, Angeera Chandra, Ashish Kumar, Mukesh kumar, Maheshwaran Sithambaresan, Md. Serajul Haque Faizi, Vipin Kumar, Rohith P John	Polyhedron	2017	6	College of Science, Sultan Qaboos University, Muscat, Oman	6

Crystal structure and DFT study of bis $\{(S)-2-[(2\text{-hydroxybenzyl})\text{amino}]-4\text{-methylpentanoato-}\kappa^2\text{N, O}\}$ (1, 10-phenanthroline- $\kappa^2\text{N, N}'$) nickel (II)	Md. Serajul Haque Faizi, Necmi Dege, Sergey Malinkin	Acta Crystallographica Section E: Crystallographic Communications	2017	02	College of Science, Sultan Qaboos University, Muscat, Oman	
Crystal structure and DFT study of (E)-N-[N-[2-(1H-indol-3-yl)ethyl]-1-(anthracen-9-yl) methanimine	Md. Serajul Haque Faizi, Necmi Dege, Sergey Malinkin, Tetyana Yu Sliva	Acta Crystallographica Section E: Crystallographic Communications	2017		College of Science, Sultan Qaboos University, Muscat, Oman	
Crystal structure and DFT study of 2-(pyren-1-yl)-1H-benzimidazole	Md. Serajul Haque Faizi, Necmi Dege, S Malinkin	Acta Crystallographica Section E: Crystallographic Communications	2017		College of Science Sultan Qaboos University, Muscat Oman	
Crystal structure of di- μ -chlorido-bis (chloride $\{N1, N1\text{-diethyl-N4-}\{[\text{pyridin-2-yl-}\kappa\text{N})\text{methylidene}\}\text{benzene-1, 4-diamine-}\kappa\text{N4}\}$ mercury (II))	Md. Serajul Haque Faizi, Necmi Dege, Kateryna Goleva	Acta Crystallographica Section E: Crystallographic Communications	2017		College of Science Sultan Qaboos University, Muscat Oman	

Crystal structure and DFT study of 8-hydroxy-1, 2, 3, 5, 6, 7-hexahydropyridino (3, 2, 1-ij) quinoline-9-carbaldehyde	Md. Serajul Haque Faizi, Necmi Dege, Maria L Malysheva	Acta Crystallographica Section E: Crystallographic Communication	2017		College of Science Sultan Qaboos University, Muscat Oman	
2-[(E)-(4-Anilinophenyl)imino]methyl}-4-[4-[(E)-(4-methoxyphenyl) diazenyl]phenol	MSH Faizi, N Dege, K Goleva	IUCr DATA	2017		College of Science Sultan Qaboos University, Muscat Oman	
Crystal structure of 4, 4'-dinitro-[1, 1'-biphenyl]-2-amine	Md. Serajul Haque Faizi, Ashanul Haque, Necmi Dege, Syed Imran Valentina A Lalibabchuk	Acta Crystallographica Section E: Crystallographic Communication	2017		College of Science Sultan Qaboos University, Muscat Oman	
Next generation NIR fluorophores for tumor imaging and fluorescence-guided surgery: A review	Ashanul Haque, Md. Serajul Haque Faizi, Jahangir Ahmad Rather Muhammad S Khan	Bioorganic & medicinal chemistry	2017	41	College of Science Sultan Qaboos University, Muscat Oman	
Crystal structure of (2, 2'-bipyridine-k ² N, N')bis (3,5-di-tert-butyl-o-benzoquinonato-k ² O, O') ruthenium (II)	Md. Serajul Haque Faizi, Akram Ali, Vadim A Potaskalov	Acta Crystallographica Section E: Crystallographic Communication	2017		College of Science Sultan Qaboos University, Muscat Oman	

Crystal structure of (E)-N1-[anthracen-9-yl)methylidene]-N4-phenylbenzene-1, 4-diamine	Md. Srajul Haque Faizi, Ashanul Haque, Musheer Ahmad, Irina A Golenya	Acta Crystallographica Section E: Crystallographic Communications	2017		College of Science Sultan Qaboos University, Muscat Oman	
Crystal structure of (E)-2-{{[4-anilino]phenyl}imino}methyl}-4-nitrophenol	Md. Serajul Haque Faizi, Ashanul Haque, Valentina A Kalibabchuk	Acta Crystallographica Section E: Crystallographic Communications	2017	2	College of Science Sultan Qaboos University, Muscat Oman	
Crystal structure of (E)-2,6-di-tert-butyl-4-{{[2-(2,4-dinitrophenyl)hydrazinylidene]methyl}phenol	Md. Serajul Haque Faizi, Necmi Dege, Ashanul Haque, Valentina A Kalibabchuk Mustafa Cemberci	Acta Crystallographica Section E: Crystallographic Communications	2017	2	College of Science Sultan Qaboos University, Muscat Oman	
Synthesis, crystal structure and luminescence properties of acenaphthene benzohydrazide based ligand and its zine (II) complex	Mukesh Kumar, Soumyabrata Roy, Md. Serajul Haque Faizi, Santosh Kumar, Mantu Kumar Singh, Shyam Kishor Sebastian C Peter, Rohith P John	Journal of Molecular structure	2017	6	Department of Chemistry Indian Institute of Technology Kanpur	2
Crystal structure of (E)-9-({[4-(diethylamino)phenyl]imino}methyl)-2,3,6,7-tetrahydro-1H, 5H-pyrido[3,2,1-ij]quinolin-8-ol	Md. Serajul Haque Faizi, Dr. Musheer Ahmad Anatoly A Kapshuk, Irina A Golenya	Acta Crystallographica Section E: Crystallographic Communications	2017	2	College of Science Sultan Qaboos University, Muscat Oman	
Crystal	Md. Serajul Haque	Acta	2016	6	College	6

Structure of 9,9'-{(1E, 1'E)-[1,4-phenylenebis (azanylylidene)] bis (methanylylidene)}bis (2, 3, 6, 7 Tetrahydro-H,5H-pyrido [3,2,1,-ij] quinolin-8-ol)	Faizi, Akram Ali, Vadim A Potaskalov	Crystallographica Section E: Crystallographic Communications			of Science Sultan Qaboos University, Muscat Oman	
Crystal structure of 1-[4-(ethoxycarbonyl) piperazin-yl] benzoic acid	Md. Serajul Haque Faizi, Musheer Ahmad, Irina A Golenya	Acta Crystallographica Section E: Crystallographic Communications	2016		Department of Chemistry, Indian Institute of Technology, Kanpur	
Synthesis and crystal structure determination of cobalt (II) mixed-ligand complex containing 1, 10-phenanthroline and 5-(2-carboxybenzyloxy) isophthalic acid: Their biological evaluation viz., DNA/protein binding profile, Pbr322 DNA cleavage activity	Dr. Sartaj Tabassum, Musheer Ahmad, Mohd Afzal, Mehavash Zaki, Md. Serajul Haque Faizi, Akram Ali	Inorganica Chimica Acta	2016	2	Department of Chemistry, Indian Institute of Technology Kanpur	
Crystal structure of 5-[(4-carboxybenzyl)oxy] isophthalic acid	Md. Serajul Haque Faizi, Musheer Ahmad Akram Ali, Vadim A Postaskalov	Acta Crystallographica Section E: Crystallographic Communications	2016		Department of Chemistry, Indian Institute of Technology	

		ions			logy Kanpur	
Highly selective visual detection of Fe ³⁺ at ppm level	Md. Serajul Haque Faizi, Shardhey Gupta, Vipin Kumar Jain, Pratik Sen	Sensors and Actuators B: Chemical	2016	20	Department of Chemistry Indian Institute of Technology, Kanpur	8
Crystal structure of 2- {[(E)-(4-anilinophenyl) iminiumyl] methyl }-5-(diethylamino) phenolate	Md. Serajul Haque Faizi, Kateryna A Ohui, Irina A Golenya	Acta Crystallographica Section E: Crystallographic Communications	2015	1	Department of Chemistry Indian Institute of Technology, Kanpur	1
Crystal structure of 2-amino-1, 3-dibromo-6-oxo-5, 6-dihydropyrido [1, 2-a] quinoxaline-11-ium bromide monohydrate	Md. Serajul Haque Faizi,, Yuliia Parashchenko	Acta Crystallographica Section E: Crystallographic Communications	2015		College of Science Sultan Qaboos University, Muscat Oman	
Crystal structure of diu-chlorido-bis (chloride [N1-phenyl1-N4-[(pyridin-2-yl-kN) methylidene] benzene-1, 4-diamine-kN4} mercury (II))	Md. Serajul Haque Faizi, Elena V Prisyazhnaya	Acta Crystallographica Section E: Crystallographic Communication	2015	6	College of Science Sultan Qaboos University, Muscat Oman	4

Syntheses crystal structures, and genotoxic studies of cis- μ -1,2-peroxo dicobalt (III) complexes	M. Shahid Armeen Siddique, Istikhar A Ansari, Farasha Sama, Sandesh Chibber, Mohd. Khalid, Zafar A Siddiqui, Serajul Haque Faizi	Journal of Coordination Chemistry	2015	4	Department of Chemistry, Indian Institute of Technology Kanpur	3
Crystal structure of N1-phenyl-N4-[(E)-(pyren-1-yl)methylidene]benzene-1,4-diamine	Md. Serajul Haque Faizi, Elena V Prisyazhnya	Acta Crystallographica Section	2015	4	Department of Chemistry Indian Institute of Technology, Kanpur	2
Crystal structure of dichloride {N1-phenyl-N4-[(quinolin-2-yl-kN)methylidene]benzene-1,4-diamine-kN4}mercury (II)	Md. Serajul Haque Faizi, Elena V Prisyazhnaya, Turganbay Siskenderov	Acta Crystallographica Section E: Crystallographic Communications	2015		Department of Chemistry, Indian Institute of Technology, Kanpur	
Crystal structure of dibromido (N,N-dimethylformamide-kO) {2-(1H-indol-3-yl)-N-[quinolin-2-yl-kN)methylidene]ethanamine-kN} cadmium	Md. Serajul Haque Faizi, Natalia O, Sharkina, Yuliya M Davydenko	Acta Crystallographica Section E: Crystallographic Communications	2015		Department of Chemistry Indian Institute of Technology, Kanpur	

Crystal structure of aqua [N-(2-oxidobenzyl-k0)-1-leucinato-k2N,O] (1, 10-[phenanthroline-k2N, N') nickel (II) pentahydrate	Md. Serajul Haque Faizi Natalia O Sharkina	Acta Crystallographica Section E: Crystallographic Communications	2015	03	Department of Chemistry Indian Institute of Technology, Kanpur	03
Ultrasound assisted multicomponent reactions: a green method for the synthesis of highly functionalized selenopyridines using reusable polyethylene glycol as reaction medium	Md. Nasim khan, Shaik Karamthulla, Lokman H Choudhary, Md. Serajul Haque Faizi	RSC Advances	2015	13	Department of Chemistry Indian Institute of Technology, Kanpur	
Crystal structure of N 1, N 1-diethyl-N 4-[(quinolin-2-yl) methylidene] benzene-1, 4 diamine	Md. Serajul Haque Faizi, Nazia Siddiqui Saleem Javed	Acta Crystallographica Section E: Crystallographic Communications	2015	1	Department of Chemistry, Indian Institute of Technology Kanpur	3
Crystal structure of 2-azaniumyl-3-bromo-6-oxo-5, 6-dihydropyrido [1, 2-a] quinoxaline-11-ium dibromide	Md. Serajul Haque Faizi, Natalia O Sharkina, Turganbay S Iskenderov	Acta Crystallographica Section E: Crystallographic Communications	2015	1	Department of Chemistry Indian Institute of Technology, Kanpur	

Synthetic Applications of Crude Laccase from Abortiporus biennis MTCC-1176	Pankaj Kumar Chaurasia and Sudha yadava Manisha Sharma	Biotechnology: An Indian Journal	2017		Department of Chemistry D. D.U. University, Gorakhpur, Uttar Pradesh, India	
Laccases in Pharmaceutical Chemistry: A Comprehensive Appraisal	Pankaj K Chaurasia, Shashi L Bharati, Chandana Sarma	Mini-Reviews in Organic Chemistry	2016	2	Department of Chemistry D. D. U. Gorakhpur, University, Uttar Pradesh, India	
Some novel organometallic m III complexes with porphine and 1, 6-diaminohexane	Shashi Late Bharati, Pankaj Kumar Chaurasia, Sudha Yadava	Russian Journal of inorganic Chemistry	2016		Department of Chemistry D. D. U. Gorakhpur University, Uttar Pradesh In	

Purification and characterization of a thermally stable yellow laccase from <i>Daedalea flavida</i> MTCC-145 with higher catalytic performance towards selective synthesis of substituted benzaldehydes	M. Sharma, P. K. Chaurasia, A. Yadav, R. S. S. Yadav, S. Yadava, K. D. S. Yadav	Russian Journal of Bioorganic Chemistry	2016	5	Department of Chemistry D. D. U. Gorakhpur University, Uttar Pradesh, India	3
Amination of p-hydroquinone by laccase of <i>Xylaria polymorpha</i> MTCC-1100	Pankaj kumar Chaurasia, Shashi Lata Bharati, Late Bhartai, Sunil Kumar Singh, Sudha Yadava	Russian Journal of General Chemistry	2015	4	Department of Chemistry D. D. U. Gorakhpur University, Uttar Pradesh, India	
Fungal Laccases and their Biotechnological Significances in the Current Perspective: A Review	Pankaj K. Chaurasia Shashi L. Bharati, Manisha Sharma, Sunil K. Singh, Rama S. S Yadav, Sudha Yadava	Current Organic Chemistry	2015	8	Department of Chemistry D. D. U. Gorakhpur University, Uttar Pradesh, India	
Purification Characterization and synthetic application of a thermally stable laccase from <i>Hexagonia tenuis</i> MTCC-1119	Pankaj Kumar Chaurasia, Shashi Late Bharati, Sudha Yadava, Rama Shanker Singh Yadav	NISCAIR-CSIR, India	2015	6	Department of Chemistry D. D. U. Gorakhpur University, Uttar Pradesh	

					h, India	
Synthetic applications of purified laccase from Pleurotus sajor caju MTCC-141	Pankaj Kumar Chaurasia, Shashi Lata Bharati, Sunil Kumar Singh Sudha Yadava	Russian Journal of General Chemistry	2015	4	Department of Chemistry D. D. U. Gorakhpur University, Uttar Pradesh, India	
Assessment and monitoring of water quality of Manushmara river basin in sitamarhi district, North Bihar, India	Arvind Kumar	IJAC	2017		Langat Singh College, B. R. A. Bihar University, Muzaffarpur	
Impact of sugar mill and distillery effluent on water quality of the river Manushmara, Bihar India	Arvind Kumar	AJ CER	2018		Langat Singh College, B. R. A. Bihar University, Muzaffarpur	
Bio-catalyst cal-B catalysed synthesis of modified nucleotide: an overview	Arvind Kumar	Synthetic Communication	2018		Langat Singh College, Babasaheb Bhimrao Ambedkar	

					kar Bihar Univer sity, Muzaff arpur	
The Rail Line at Godspeed (1874):	Dr. Pushpa Kumari	Opening of Famine Relief Rail Line in North Bihar, Abhilekh Bihar, Bihar State Archives Patna , ISSN:2249-5355	2014			
The Gandhian Movement and Railway Workers in Bihar	Dr. Pushpa Kumari	A Case Study of the Workers of Jamalpur Railway Workshop (1919-1930), The NEHU Journal, vol. XIII, No.2, ISSN : 0972-8406	2015			
Champan Mein Neel Sangharsh: Turkaulia Kothike Vishesh Sandarbh Mein (1911-1918)	Dr. Pushpa Kumari	ITIHAS Journal, Bhag -3, No-2, ICHR, New Delhi. ISSN : 2319-8818 Ithihas	2017			

Article certified “Universalisation of Elementary Education, Issues and Challenges”	Dr. Manjari Verma	Published in Journal Political Science	2015			
Article entitled “Dr. Ambedkar: on Apostle of social Justice”	Dr. Manjari Verma	Published in Journal Political Science, ISSN-2455-0884	2017			
Article published in the Indian journal of Political Science	Dr. Awadhesh Kumar Singh	Portents for Indian Political, Beyond Transformation Election	2016			
Article published in “Political Discourse on India, “2014 Election”	Dr. Awadhesh Kumar Singh	“Implications for Democratic Politics”	2014			
Article Published in “Political Discourse”	Dr. Awadhesh Kumar Singh	Vol-1-No-3, December, ISSN-2455-0884	2016			
“Oil Price and Employment Nexus in Saudi Arabia”	T. T. Y. Alkhateeb and Zafar A. Sultan	<i>International Journal of Energy Economics and Policy</i>	2017	Google Citation Index	L.S. College, Muzaffarpur ; B.R.A. Bihar University, Muzaffarpur	No. of Citations-12

“Oil Revenue, Public Spending, GDP and Employment in Saudi Arabia”	Tarek Tawfik Yousef Alkhateeb, Zafar Ahmad Sultan and Haider Mahmood	<i>International Journal of Energy Economics and Policy</i>	2017	Google Citation Index	L.S. College, Muzaffarpur ; B.R.A. Bihar University, Muzaffarpur	No. Of Citations-09
“The Relationship between Exports and Economic Growth in Saudi Arabia”	Tarek Tawfik Yousef Alkhateeb, Haider Mahmood & Zafar Ahmad Sultan	<i>Asian Social Science</i>	2016	Google Citation Index	L.S. College, Muzaffarpur , B.R.A. Bihar University, Muzaffarpur	No. Of Citations-07
“Saudi’s Export Demand Function: The ARDL Approach”	Zafar Ahmad Sultan	Journal of Economics and Sustainable Development	2014	Google Citation Index	L.S. College, Muzaffarpur ; B.R.A. Bihar University, Muzaffarpur	No. Of Citations-03
“Role of women in economic development in Saudi Arabia: A Case Study of Alkharj Governorate”	Tarek Tawfik Alkhateeb and Zafar Ahmad Sultan	International journal of academic research, part B	2014	Google Citation Index	L.S. College, Muzaffarpur , B.R.A. Bihar University, Muzaffarpur	No. Of Citations-02
“Revealed Comparative Advantage of Saudi’s Exports”	Zafar Ahmad Sultan	Journal of Economics and Sustainable Development	2014	Google Citation Index	L.S. College, Muzaffarpur , B.R.A. Bihar University, Muzaffarpur	No. Of Citations-02

“Potential for Export Diversification in Saudi Arabia”	Zafar Ahmad Sultan and Mohammad Imdadul Haque	Journal of American Science	2014	Google Citation Index	L.S. College, Muzaffarpur, B.R.A. Bihar University, Muzaffarpur	No. Of Citations-02
“Financial Market Development and Employment Nexus in Saudi Arabia”	T. T. Y. Alkhateeb, N. S. Alkahtani, H. Mahmood, Zafar Ahmad Sultan and N. Ahmad	<i>International Journal of Applied Business and Economic Research</i>	2017	Google Citation Index	L.S. College, Muzaffarpur, B.R.A. Bihar University, Muzaffarpur	No. Of Citations-01

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
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3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	04	20	30	15
Presented papers	04	20	30	15
Resource Persons	01	04	05	08

3.4 Extension Activities

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

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
Youth Day (12-01-2015)	NSS	05	10
Personality Development Programme (16-01-2015)	NSS	05	15

Symposium (Poets Conference) (25-01-2015)	NSS	15	41
Subash Chandra Jayanti (23-01-2016)	NSS	10	25
Youth Day (12-01-2015)	NSS	05	10

3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
-	-	-	-

3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
Swachh Bharat Mission	NSS	cleaning the campus, cleaning parks and statues, removal of garbage, cleaning toilets, encouraging swachh mansikta among students and teachers.	05	12
Plantation Drive	NCC & NSS	Plantation Drive was launched by students and teachers and encouraged by great dignitaries like Goa Governor Mrs. Mridula Sinha and the local DM	15	4

3.5 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
-	-	-	-

3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (from-to)	participant
Institute - Industry	Internship training	Rajiv Automobiles, Ramdayalu Nagar, opp	July 2015 - June 2016	25

Linkage		Malang Asthan Mandir, Muzaffarpur - 842001				
3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year						
Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs			
CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES						
4.1 Physical Facilities						
4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year						
Budget allocated for infrastructure augmentation		Budget utilized for infrastructure development				
1,50,00,000/-		38,00,000/-				
4.1.2 Details of augmentation in infrastructure facilities during the year						
Facilities	Existing		Newly added			
Campus area	59.0 acres		-			
Classrooms	42		-			
Laboratories	09		-			
Seminar Halls	01		-			
Classrooms with LCD facilities	05		-			
Classrooms with Wi-Fi/ LAN	42		-			
Seminar halls with ICT facilities	01		-			
Video Centre	-		-			
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-		15			
Value of the equipment purchased during the year (Rs. in Lakhs)			25,00,000/-			
Others						
4.2 Library as a Learning Resource						
4.2.1 Library is automated {Integrated Library Management System -ILMS}						
Name of the ILMS software	Nature of automation (fully or partially)		Version	Year of automation		
E-Granthalya	Partially		4.0	2014		
4.2.1 Library Services:						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	104140	-----	2113	1122632	106253	----
Reference Books	09	2500	51	15300	60	17800
E-Books	-----	-----	-----	-----	-----	-----
Journals	663	270060	75	27919	738	297979
E-Journals	04	80500	----	----	04	80500

Digital Database	----	----	----	----	----	----
CD & Video	35	Free	07	Free	42	----
Library automation	01	-	-	-	-	-
Weeding (Hard & Soft Copies)	-	-	-	-	-	-
Others (specify)						

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depts.	Available Bandwidth (MGBPS)	Others
Existing	190	05	05	05	03	15	18	10 MBPS	
Added	06	-	-	-		06	-	-	-
Total	196	05	05	05	03	21	18	10 MBPS	

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

10 MBPS (provided by Government of Bihar)

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Computer Lab	www.lscollege.ac.in/computer_lab

4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e – content
Dr. Tarun Kumar Dey	Thermodynamics	YouTube	2016

4.4 Maintenance of Campus Infrastructure

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

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
-	3,35,137/-	-	2,56,326/-

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

The college has adopted elaborate procedures and policies for maintaining and utilizing physical, academic and support facilities like laboratory, library, sports complex, computers, classrooms. So far as class rooms are concerned, there is regular cleaning and dusting of desks and benches. In computer labs,

computer sets are regularly checked and maintained. In laboratory, equipment and apparatus are cleaned and updated. In the library, books are sorted subject wise and cataloguing is done accordingly. Requisitions from different departments, library, laboratory, sports, etc are obtained from time to time to update them. Resolutions taken by different committees are placed before purchase committees. Sometimes whenever there is necessity, E-Tendering process is also adopted.

Web Link : www.lscollege.ac.in

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Nil	Nil	Nil
Financial support from other sources			
a) National	Govt. of Bihar	60	244711/-
b) International	Nil	Nil	Nil

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Language Lab	01.07.2015	100	College Level
Career Counselling	01.07.2015	150	College Level

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2015-16	Job Fair	300	150	69	26

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
12	12	07 working days

5.2 Student Progression

5.2.1 Details of campus placement during the year

On Campus			Off Campus		
Name of Organizations	Number of Students	Number of Students	Name of Organization	Number of Students Participated	Number of Students Placed

Visited	Participated	Placed	s Visited		
01	100	25	Job Fair	250	150

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2015-16	556	UG	UG	L.S. College	PG

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	03	133256 (2015) 114540 (2016)
SET	-	-
SLET	-	-
GATE	-	-
GMAT	-	-
CAT	-	-
GRE	-	-
TOFEL	-	-
Civil Services		-
State Government Services	45	-
Any Other		

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Lawn Tennis (M)/(W) Tournament	Inter College	32
Inter College Hockey Tournament (M)	Inter College	24
Inter College Athletic Meet	Inter College	207
B.R.A.B.U. Eklavya Coaching Camp, Kho-Kho	University Level	24
B.R.A.B.U. Eklavya Coaching Camp, Kabbaddi	University Level	26
B.R.A.B.U. Eklavya Coaching Camp, Athletics	University Level	32
Tarang Competition	Inter-University Level	06

5.3 Student Participation and Activities

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

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
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2015-16						
2015-16						
2015-16						

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

The College has an active association of students. The members of the association are elected through democratic process of election in which students cast their votes to the candidates of their choice. The association consists of President, Vice President, Secretary, Joint Secretary, members of the council. The association is monitored by senior faculty members who are responsible for the smooth conduct of the association meetings and events. The association plays a dominant role in many activities related to fine arts, sports and other co-curricular activities of the department and the students. Various co-curricular activities organized by the association include Special Lectures by experts, Seminars, Workshops, Symposium, National Level Conference and Intercollegiate meet to develop the personality and skills of the student's ability. Eminent speakers and industrialists deliver speeches on topics relevant to current educational scenario. The members of the association also observe important days like National Festivals, Birth/Death Anniversaries of important leaders, International Women's Day, International Yoga Day, Sports Day, Non-violence Day, Teachers Day, Fresher's Day, Farewell Party, World Literacy Day, World AIDS Day, World Kidney Day etc. They also organize cultural festivals like Inter-collegiate Meet and College Foundation Day. Student representatives actively participate in various activities. They help in coordinating all the events related to academia, other co-curricular activities, as per the directives of teaching faculty. They do a lot of academic administrative work by taking the help of other students.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

“Langat Singh College Alumni Association” was registered under Society Registration Act 21, 1860, vide letter no. 830, dated 02/03/2015. Since then, it has been meeting regularly and discussing different issues for the all-round development of the institution. Its focus is on the improvement of teaching, enhancement of teachers' quality and development of ICT facility on campus. The Alumni Association is a common platform for the college alumni to exchange ideas and disseminate knowledge in professional areas. The Alumni Association of the college participates in various activities. It not only encourages the teaching and research activities on campus but also organises extra-curricular activities. It organises health camps, cleanliness drive and collects fund for the victims of natural calamities like drought and flood. In such critical cases, the Alumni Association of our college shoulders great social responsibilities. It not only organizes social events but also raises funds for the needy and the downtrodden. Initially, alumni and their alma mater were regarded as two separate entities. But now the fact is different. Both the alumni and the alma mater are the two sides of the same coin. They are closely related to each other. The alumni, even after they leave their institution, think and work for its growth and development.

Yes, the college has registered Alumni Association and the Association organizes meet regularly.

5.3.2 No. of registered enrolled Alumni:

250

5.3.3 Alumni contribution during the year (in Rupees) :

Nil

5.3.4 Meetings/activities organized by Alumni Association :

02

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

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

The college has taken recourse to the process of decentralization for efficient administration. So far as the admission of students is concerned, all the Heads of the Departments have been given freedom to select and admit students. Before seeking admission, students have to take entrance test and come out successful. Though the entrance test is given by college administration, their scripts are checked by departments and merit lists are later announced. After the admission classes are held. After a few months, when the time of terminal exams arrive, departments hold such exams and announce results. Besides these exams, different departments also hold tests before final Board/University exams. Different departments organise group discussions, debates and quizzes for the all round development of their students. At times, seminars are also given by teachers and doubts and discussion are invited from students. Staff Council Meeting is convened periodically and the grievances of the teaching and non teaching staff are heard. Besides all this, there is the participation of teachers in college management. The Examination Department consisting of teachers, clerks and peons is headed by the Controller.

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

Yes/No/Partial:

Partial

6.2 Strategy Development and Deployment

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

❖ **Curriculum Development**

We follow curriculum prepared by BRA Bihar University of which the college is a constituent unit. However, our faculty members are on syllabus boards for enrichment of the curriculum.

❖ **Teaching and Learning**

Creation and enhancement of the infrastructure of the institution is need based. It is assessed by IQAC in consultation with the college development committee for effective teaching and learning process, keeping in mind the optimum utilization of resources.

❖ **Examination and Evaluation**

At the closing of each session, students are requested to select one topic each from different modules to present a seminar paper. We also try to ensure that it does not remain department- centric but make it interdisciplinary in nature. Credit points given to the students/participants of the seminar form the basis of the internal assessment component of the semester examination.

❖ **Research and Development**

The college has a Research Committee to monitor and address the issues of research. It is

composed of faculty members of different departments of the college. It has been instrumental in promoting research work in disciplines like Social Sciences, Humanities and Science. In the year 2013 the Committee has recommended and forwarded 18 Minor Research Projects to UGC for financial support. It is also planning to formulate a work plan for interdisciplinary research.

❖ **Library, ICT and Physical Infrastructure / Instrumentation**

The Library Advisory Committee consists of Principal as Chairman, Librarian, four faculty members from social science, three faculty members from science & one student representative. It caters to the growing need of the present and future requirement of the library. The committee in its various meetings has recommended valuable positive suggestions to make the library student-friendly and user-friendly. For example, separate sitting arrangements for teachers and students have been created. Subscription of online journals, Internet connection, browsing facility, etc. have been provided. Besides, the library has created a space for physically challenged students on the ground floor.

❖ **Human Resource Management**

In order to improve the quality of human resource management. We organise workshops to educate the faculty and the staff in matters of governance and routine work.

❖ **Industry Interaction / Collaboration**

We have signed MOUs with our industrial partners like Prasad Hospital, Muzaffarpur, Maa Janki Hospital, Muzaffarpur, Shashank Automobile Pvt. Ltd., Muzaffarpur, in the current academic year for the community courses.

❖ **Admission of Students**

The college has taken recourse to the process of decentralization for efficient administration. So far as the admission of students is concerned, all the Heads of the Departments have been given freedom to select and admit students. Before seeking admission, students have to take entrance test and come out successful. Though the entrance test is given by college administration, their scripts are checked by departments and merit lists are later announced.

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

❖ **Planning and Development**

As the recruitment policy of teachers lie in the domain of chancellor's office, the college has no free hand in selection of its faculty members. However, they are encouraged to join orientation/refresher courses periodically to meet the changing requirements of the curriculum. The college plans to recruit and retain the best quality teachers in vocational courses.

❖ **Administration**

The Principal, HoDs and the faculty members of the different departments along with members of the various bodies of the institution are directly and indirectly involved in policy statements and action plans for fulfilment of the stated mission.

This is ensured by

- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan.
- Interacting with stakeholders.

- Proper support for policy and planning through need based analysis, research inputs and consultations with stakeholders.
- Reinforcing the culture of excellence and having flexibility for desired organizational changes.

❖ **Finance and Accounts**

The faculty members are included in the administrative and financial committees of the college, thus, leading to an ambience of participative management. The students are also involved into various committees/cells of the college. Their views are also taken into consideration before arriving at any final decision

❖ **Student Admission and Support**

Coming to the domain of student support and progression, the college, in order to facilitate the process of admission as well as teaching-learning process, publishes updated prospectus annually to ensure its commitment and accountability to its declared vision, mission and objectives of holistic development of students' morale, personality and economic prosperity. The college strictly follows the reservation policy of central and state government. Besides, it is highly friendly to differently abled students, slow learners and extraordinarily brilliant ones. We publish year-wise college magazine *Pushkarni*. To cater to their job needs, the college has taken recourse to a good number of vocational courses added by a community college where marginalized sections of the society are taken care of. Student progression from UG to PG is appreciably high and from PG to Ph.D. significantly remarkable. The progression figure ranges between 50 and 60 percent.

❖ **Examination**

The college collects and analyses data with help of the office of the examination controller. A graphic representation is constructed for judging and analyzing the data outcome.

6.3 Faculty Empowerment Strategies

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

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
-	-	-	-	-

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2015-16	Computer Literacy Programme	Computer Literacy Programme	10.07.2015 - 16.07.2015	25	20
	Admission Automation	Admission Automation Software Training	12.07.2015 -	05	25

	Software Training		15.07.2015		

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Computer Literacy Programme	25	10.07.2015 -16.07.2015

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
-	-	-	-

6.3.5 Welfare schemes for

Teaching	Yes
Non teaching	Yes
Students	No

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly (within 100 words each)

The college gets its income and expenditure audited by a reputed chartered accountant annually on a routine basis. It is also done within a year whenever required. Last audit was done in the month of January 2014 by a team of experts. There were few objections but those objections were later removed by giving satisfactory details. There is a purchase committee in the college which examines all the purchases made by the college.

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

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

6.4.2 Total corpus fund generated :

6.5 Internal Quality Assurance System

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

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

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

- Parents' Meet is regularly held in which suggestions are invited. Feasible suggestions are complied with. Parents are important stakeholders of our institution. They are invited to the

college on important days, such as the Foundation Day, Independence Day, Republic Day, etc.

6.5.3 Development programmes for support staff (at least three)

- Computer Training Programme
- Admission Software Handling Programme
- Website Handling Training

6.5.4 Post Accreditation initiative(s) (mention at least three)

- Feedback from students
- Feedback from parents
- Analysis of students' & parents' feedback
- Financial Audit (Internal & External).

6.5.5

- a. Submission of Data for AISHE portal : Yes
 b. Participation in NIRF : No
 c. ISO Certification : No
 d. NBA or any other quality audit : No

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from----to-- ----)	Number of participants
2015 -16	<ul style="list-style-type: none"> • Filling up the vacant posts of teaching and non-teaching staff. 	07.04.2015		14
	<ul style="list-style-type: none"> • A road map for all round development of the college prepared. 	05.05.2016		16
	<ul style="list-style-type: none"> • Automation of library and modernization of laboratories. 	05.05.2016		15

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Title of the programme	Period (from-to)	Participants	
		Female	Male

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

Eco Club of the college consisting of a team of teachers, local environmental activists and students acts as a nodal agency for taking initiatives for green audit. Besides forestation undertaken by this agency and Department of Forest, Government of Bihar, the Department of Botany of this college is also making great efforts for mapping and conserving the bio-diversity of L. S. College campus. It shall be pertinent here to add that the vast sprawling campus of college has a rich variety of flora: some of which are more

than a century old.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	32
Provision for lift	No	-
Ramp/ Rails	Yes	05
Braille Software/facilities	Yes	05
Rest Rooms	Yes	02
Scribes for examination	Yes	01
Special skill development for differently abled students	Yes	01
Any other similar facility	Yes	-

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
-	-	-

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
-	-	-

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

The College building has adopted electronic chokes and CFL bulbs for reducing the electricity consumption. On account of the college building being airy and having high ceiling, the use of air conditioning is extremely limited. Computers, Printers, Copiers etc. which are not in use are shut down. It is ensured that fans and lights are switched off in unoccupied classrooms and laboratories. Students & staff have been sensitized to the need of energy conservation. Energy conservation project has been carried out by our students.

Eco Club of the college consisting of a team of teachers, local environmental activists and students act as a nodal agency for taking initiatives for green audit. Besides forestation undertaken by this agency and Department of Forest, Government of Bihar, the Department of Botany of this college is also making great efforts for mapping and conserving the bio-diversity of the L. S. College Campus. It shall be pertinent here to add that the sprawling campus of college has a rich variety of flora: some of which are more than a century old.

7.2 Best Practices

Describe at least two institutional best practices
Upload details of two best practices successfully implemented by the institution as per NAAC format on your institution website, provide the link

Best Practices

1.Title: Value oriented Socio-Scientific Education.

(a) Goal:

L. S. College was founded in 1899 in the backdrop of emerging nationalism. As such it contributed a lot to the cause of freedom struggle as the best practice of the institution. The nation building programmes were further incorporated as best practices when we got freedom from British imperialism. Since 1947 the college has been alive to the growing challenges of our time which demand incorporation of scientific and technological education. But the college is also very particular about the fact that lopsided scientific and technological education bereft of value oriented conventional education will not do for building that Bharat which our great forefathers dreamt of. Hence, the college tries to establish a balance between the technological and vocational education and conventional one. The goal has been to produce students possessed with holistic personality dedicated to the collective service to the society and the nation.

(b) Context:

The faculty members of different departments, the IQAC members, and the top administration have realized over the years that the higher education bereft of the value oriented teaching and learning has resulted in producing students as robots who, though men and women of genius in their particular fields of instruction, are not proving themselves to be good citizens. They are becoming more and more money-centric. This has led to the growth of a very deadly syndrome of caring for the narrow self-interest at the cost of the exploitation of others. Keeping in view the glorious past of this college which grew to serve the collective interest of the society and the emerging nation of India, we have decided to preserve its laudable tradition and see that if we retain the contents of the value of oriental education along with technical and vocational instruction, we may be able to produce students who would be helpful in creating a society free from corruption, poverty and exploitation our society, our nation is terribly beset with these days.

(c) Practice:

In actual practice, we enlist some of the noted values of Indian culture and socio-scientific pattern of instructions and discuss them periodically. For example, they are nationalism and patriotism, cultural pluralities and their respect, socioeconomic understanding of the rural and urban societies and our service to them, joint family as a social unit and its values, tolerance towards different religious faiths and values attached to them for a peaceful and prosperous life, inter-personal relationships and human respect for womankind, a concern for the marginalized and the depressed sections of the society, values embedded in health and hygiene, particularly in the context of growing allurements towards drug addiction among youths in and around the campus.

Every department of the college organizes debates, talks, discussions, cultural activities, paintings, essay writings, project works, etc. on the issues involved. The college administration too, from time to time, organizes such debates and discussions and holds cultural activities on important dates like Independence Day, Republic Day, the Foundation Day of the college and others which nourish and enrich the avowed values of nationalism patriotism, social service and brotherhood. Our NSS and NCC units are very keen to see that socio-economic services to the community are well attended. For this purpose these units periodically organize philanthropic activities. We also organize parents, teachers-cum-students meet to discuss the above-mentioned issues. From time to time, the college organizes sports activities to enrich not only the values embedded in health and hygiene but also to promote values of cooperative life and national pride. The faculty members of different departments meet together, particularly in the Department of History, to discuss the necessity of value-oriented education along with the growing need of promoting and adopting the Info tech instruction.

(d) Evidence of Success:

The evidence of success in the field of value-oriented socio-scientific education can be gleaned from the following points:

- The state government identified this college as a centre of excellence on 05.12.2012.
- Students from all over North Bihar first prefer to seek admission to this college.
- The cut-off marks for admission to this college in comparison with others have always been very high.
- The ranking position of the students of this college in the university has been very high.
- The pass percentage of students of this college has been high in comparison with other institutions of the university.
- We have a long list of value-oriented and scientific research publications. Besides, we have a grate number of research scholars.
- In order to promote national and secular values, the college has organized a series of lectures inviting Scholars not lesser than Ashgar Ali Engineer, Badrinarayan, Mammen Mathew, Md. Sajjad, Harisbansh and others.
- Our students have taken to field studies to promote nationalism, patriotism and collective service to the nation.
- To cater to the job requirement needs of the marginalized and disadvantaged group of students, we have set up a Community College.

(e) Problems encountered and Resources required:

Problems encountered and resources required are as follows:

- A systematic attack on the values of conventional Indian culture of sacrifice and service to others.
- It is well evident that we are faced with the onset of globalization allured by the western concept

of consumerism. They are easily swayed away by the slogan of 'earn and burn'. In this way, they are neglecting our age-old values of sacrifice and service to others. It is a pity that central and state governments are also upholding the global consumerism. Hence their educational policies are to promote prominently such type of education which generates employment. Employment is a necessity but not the only necessity of a person. A person devoid of noble virtues would be just like animals. That is what we are becoming these days. But the problems is that the consumerism wind is blowing too hard for the noble virtues of Indian ethos to stand. L.S.College is trying hard to preserve and promote the noble virtues of Indian culture along with meeting the employment challenges of the time.

(f) Resources required:

- We need financial help from Government, Government aided institutions, NGOs, support and community support.
- We are in dire need of human resources upholding the ideals of value oriented socio-scientific education.

7. If the college achieves autonomous status, we will be in a better position to carry out our best practices to our maximum satisfaction.

2. Title: Inclusive Education for the Differently abled & Socio- economically Disadvantaged.

(a) Goal:

- It aims at creating an environment of belongingness and mutual respect and help for each human being on campus.
- It endeavours to promote an atmosphere of socio-economic justice on campus.
- It is an attempt to meet the global requirement of human rights obligations committed by our welfare state and the nation.

Having set up these goals and trying to achieve them optimally, the college aspires to be one of the most positive looking educational institutions of the state and the country.

(b) Context:

IQAC members of the college feel deeply concerned about the census result in 2011 that 2.1 percent people in India are differently abled and out of which 1.9 million are only in Bihar. It is one of the highest percentages of the total differently abled persons. It has been found that in Muzaffarpur they are not only differently abled but most of them hail from socio-economically disadvantaged groups. Hence, they are often faced with awesome disadvantageous position in comparison with the general students. Sometimes, they are exposed to isolation and humiliation. This they feel much when they come having received their schooling from special schools made for them. They find that general colleges are not very much friendly to them. Having been faced with such challenging issues, we have decided to take up the cause of inclusive education policies and programme to lessen the difficulties of such students and to instill in them a sense of dignity, self-respect and socio-economic security.

(c) Practice:

(a) The college, with the aid of our differently abled Professor, Dr. Sangeeta Agarwal of the Department of Sanskrit, is establishing an Enabling Unit for visually impaired and low vision students. We propose to name it as project LSC-SIGHT. This project has been designed keeping in view the special needs and challenges of the visually challenged in particular and of low vision in general. Towards this end, the project LSC-SIGHT would involve the practices such as:

- It would print books in audio-formats.
- Audio format CDs would be provided to visually challenged students.
- They provided equipment for hearing, such as head phones.
- The unit would provide comfortable sitting arrangements.
- The unit would try to convert important texts of the library into Braille Script.
- The unit would also work as counselling cell not only for its own students but also for all such students who come to the cell.
- A certificate programme for the visually challenged for a varied tasks as scanning, editing, reading, teaching and others as the need may arise.
- It is geared to provide personal and family guidance for helping the visually impaired.
- It also intends to support visually impaired and slow vision students to take part in co-curricular activities and make them feel an essential part of the society.
- It has been found that many visually impaired ones are deprived of available opportunities owing to the lack of finances and awareness. This LSC-SIGHT intends to provide them with these services.

As for helping the socio-economically disadvantaged group of students, the college has adopted the practice of generously granting all the financial facilities provided by the state and central governments like free studentship, half free studentship, poor boys' fund scheme, hostel accommodation on college campus, remedial coaching, competitive examination coaching, English enhancing classes through language labs, opening up of Community College with courses like Automobile Engineering and Financial Management (Retail), Human Rights certificate course, by organizing awareness programmes of promoting socio-economic justice such as debates, seminars, talk and cultural activities, competitions and others. In all these the NSS and NCC units of the college play very vital roles. In these activities we are not confined simply to our campus, but we venture to take up such activities even beyond the campus, such as the slum areas and socio-economically depressed areas of habitations.

(d) Evidence of Success:

Our esteemed teacher Dr. Sangita Agrawal has been generously helping such students in her own capacity on campus and outside campus. She has submitted her proposal for establishing the LSC-SIGHT very recently and we hope to establish it as soon as possible and would be able to provide concrete evidences of success to the peer team whenever it visits the college.

- As far as other facilities provided to them are concerned, we have the evidences of making the college campus wheel chair friendly.

- we have a good number of students enrolled in various disciplines who are socio-economically disadvantaged, such as

Year	SC/ST		OBC	
	Male	Female	Male	Female
2015-16	456	40	1120	255

(e) Problems encountered and Resources required:

We are faced with unawareness of policies and programmes regarding differently abled persons, though the constitution of India has signed and ratified the United Nations Convention on the Rights of Persons with Disabilities(UNCRPD) as early as in 2008. Another problem encountered is lack of needed financial support and paucity of committed resource persons. Still we hope to overcome them with our strong will and dedication to the cause and would keep up the reputation of the college.

Web Link : www.lscollege.ac.in

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust

Provide the weblink of the institution in not more than 500 words

In the backdrop of emerging Indian nationalism in the last quarter of the 19th century with its quest for an educational system incorporating the ethos of Indian value system and nationalism, Langat Singh College was founded in 1899 with broad based community support. In the course of time, it has evolved into the most prestigious institution of learning in North Bihar. Its claim of being a parent institution of present B. R. A. Bihar University is justifiable on account of the fact that all the postgraduate departments of the university have branched out from this institution. The overarching aim of the institution is to shape the students into a sensitized, self reliant citizens of the country imbued with the ideals of secularism and scientific temper.

Like any other pristine institution, the vision, mission and objectives of the college have some core essentials which are timeless in nature and characteristics but the flexibility is also reflected in the above categories with the incorporation of the needs of the changing time and the demands of the society.

Web Link : www.lscollege.ac.in

8. Future Plans of action for next academic year (500 words)

- Introduction of some more PG courses.
- Enhancing academic excellence.
- Development of skills of the students by inculcating core values among them further by imparting value-based education.
- Enhancing social compatibility of the students by giving better opportunity of social interaction through activities of NSS and NCC.
- Enhancement of infrastructural facilities.
- Implementation of the Learning Management System.

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Name of the Chairperson, IQAC

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Signature of the Coordinator, IQAC

Dr. O.P. Roy
18/11/19

Signature of the Chairperson, IQAC