Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**KALYANI UNIVERSITY**
Name of the head of the Institution	**Prof. Manas Kumar Sanyal**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+913325828750**
Mobile no.	**9434451520**
Registered Email	**vc_kalyani@klyuniv.ac.in**
Alternate Email	**iqac@klyuniv.ac.in**
Address	**University of Kalyani, Kalyani-741235, Nadia, West Bengal**
City/Town	**Kalyani**
State/UT	**West Bengal**
Pincode	**741235**

2. Institutional Status

University	**State**
Type of Institution	**Co-education**
Location	**Semi-urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Prof. Nanda Kumar Ghosh**
Phone no/Alternate Phone no.	**+913325828750**
Mobile no.	**9748827493**
Registered Email	**iqac@klyuniv.ac.in**
Alternate Email	**nkg@klyuniv.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://klyuniv.ac.in/wp-content/uploads/2022/iqac/AQARStatusReport/AQAR_2018-2019_Report.pdf

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	https://klyuniv.ac.in/academic/academic-calendar/pg-calendar/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Validity Period To
1	Three Star	70	2001	21-May-2001	20-May-2006
2	B	2.67	2008	16-Sep-2008	15-Sep-2015
3	A	3.12	2016	16-Dec-2016	15-Dec-2021

6. Date of Establishment of IQAC

23-Oct-2008

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Application verification for promotion under CAS.	02-Jul-2019 5	20
Responses given to many RTI and other queries for promotion and direct recruitment.	02-Jul-2019 15	47
Feedback data collection and analysis to promote quality enhancement.	04-May-2020 18	1950
Organized two-day awareness workshop on NAAC Accreditation.	16-Aug-2019 2	67
Director, IQAC of the University of Kalyani participated in the National Level Workshop organized by NAAC Office.	18-Dec-2019 1	0
Several Equipment like (i) Automated DNA Sequencer (ii) Gel Documentation System with software (iii) DNA/RNA Quantifier (iv) Confocal Microscope (ZEISS LSM 800) purchased from DST-PURSE Grant of the University, have been made operational.	02-Jul-2019 60	125
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8. Provide the list of Special Status conferred 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
Economics	Special Assistance Programme (SAP), DRS II	UGC	2018 1825	9200000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File

10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**Yes**
If yes, mention the amount	**1000000**
Year	**2019**

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

Applications of the faculties for promotion under CAS have been scrutinized by PBAS Committee under CAS.

Feedbacks received from Students, Parents, and Alumni have been analyzed to promote quality enhancement for teaching-learning and evaluation method, infrastructural development.

Director, IQAC of the University of Kalyani participated in the "National Level Workshop for Dual Mode Universities" organized by NAAC Office, Bengaluru on 18th December, 2019.

The IQAC and Inspector of colleges (IC) jointly organized two-day awareness workshop on "NAAC Accreditation for Non-Accredited Higher Education Institutions" sponsored by NAAC at the Vidyasagar Sabhagriha, University of Kalyani.

Several Equipment like (i) Automated DNA Sequencer (ii) Gel Documentation System with software (iii) DNA/RNA Quantifier (iv) Confocal Microscope (ZEISS LSM 800) purchased from DST-PURSE Grant of the University, have been made operational.

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

Plan of Action	Achivements/Outcomes
1. To extend the facilities of ICT for effective teaching and learning, preparation of E learning resources for the departments of the University.	**1. The departments used ICT like Computers, LCD Projectors, Smart class rooms etc. E resources are online journals, E books, MOOC platforms like NPTEL. 90 teachers used ICT tools and**

	resources available.
2. In all faculties, more attention will be paid for collaborative interdisciplinary research to establish a link between the University and other reputed research institutes.	2. The University established collaborations with various research organizations like CSIR, DST, and WB DST etc. Details are shown in Criterion 3.7.
3. Conducting workshops/seminars regarding awareness of NAAC accreditation, Biodiversity, Yoga etc. for faculty members of the University, NAAC coordinators of the affiliated colleges and other participants from outside.	3. Two-day awareness workshop on "NAAC Accreditation for Non-Accredited Higher Education Institutions" sponsored by NAAC has been organized at the University of Kalyani. Workshops on Biodiversity, Yoga, Health & Nutrition and Research Methodology have also been organized (Details are shown in Criterion 3.3.1)
4. To strengthen the extension activities of NSS and department of Lifelong Learning with Government Organizations, Non-Govt. Organizations and programmes such as Swachh Bharat, AIDs awareness, Gender issue etc.	4. NSS Cell, University of Kalyani organized various programmes throughout the year like distribution of Hand Sanitizer in University campus, Kalyani Municipality area, Kalyani Market place, Hospital area etc. Other programmes are like participation in Kolkata Book Fair (awareness camp), and International Yoga Day. (Details are shown in Criterion 3.6)
5. Complete e-governance will be implemented in all sectors of Academic, Administrative, Finance, Admission and Migration.	5. Implementation is in progress. University is going to implement the Enterprise Resource Planning (ERP) (e-governance system).

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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Executive Council	**26-Mar-2022**

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

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2020**

Date of Submission	**05-Mar-2020**

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

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The institution has the following management information systems: 1. All Government notifications, Orders and University Circulars are shown in the University website. 2. Notifications of the Statutory Bodies meeting, Circulars and various prescribed forms can be downloaded from the University website. 3. Updated syllabi of different subjects, Regulations for M.Phil., Ph.D., D.Sc. and D. Litt. are shown in the academic part of the University website. Admission notification giving number of vacancies in different departments, eligibility criteria, and reservations is indicated in the admission portal. 4. E tender for purchase of equipment, salary bill preparation, disbursement of salaries and pensions to employees and daytoday works of accounts section are performed online. 5. Undergraduate (UG) Postgraduate (PG) examinations are done as per rules and guidelines of UGC State Government. Paper setters, Moderators, Examiners lists are finalized i9n the meeting of the Board of Studies (UG or PG). Review of answer scripts for the aggrieved students is allowed. Entire system is transparent. 6. In the Central Library, book accession, lending and collection of books are computerized. Checking of plagiarism for research papers and thesis are done in the central library using Turnitin software. 7. IQAC meeting, meeting for preparation of AQAR are held periodically. For AQAR preparation, feedback from the departments is collected in the prescribed format online. 8. To carry out research programmes, UGC Regulation Guidelines are followed. One University Research Scholar is allotted to every faculty member each and the selection is made through a meeting of the DRC of the respective department. The progress report of all research fellows is examined by a committee formed by University authority. Research proposals are scrutinized and evaluated by an expert committee with the Dean of the respective faculty as Chairman.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	IT	UG	10/02/2020
Mtech	CE	PG	01/08/2019
MPhil	Envs Sc.	Research	11/01/2019
MA	Geography	PG	01/10/2019
BA	Geography	UG	11/11/2019
PhD or DPhil	Philosophy	Research	06/01/2020
BPEd	Training	UG	11/06/2019
MPEd	Training	PG	11/06/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
MA	LLLE	01/07/2019	Agri-Horticulture Food Processing	01/07/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc	Computer Science	09/09/2019
MPhil	Env Sc.	09/09/2019
MPhil	Library and Information Science	12/08/2019
MA	LLLE (Bio floc Fish farming)	01/08/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Nill	NA	Nill

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
NA	Nill	0
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MA	RURAL STUDIES	13
MA	GEOGRAPHY	34
BEd	TEACHER TRAINING	49
MEd	TEACHER TRAINING	39
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Feedback obtained through structured questionnaires in a feedback form. Feedback received from the stakeholders was analyzed and specific measures were taken to address the issues each year. Special attention was given to uplift the teaching learning process and research activities. Also discussed in the departmental meeting for proper accomplishment of the work received through valuable suggestions. Students' feedbacks are referred to the concerned teacher for improving teaching-learning process. Based on students' feedback, remedial classes and tutorial classes have been arranged interactive teaching learning process has been intensified. Primarily based upon the feedback received from the students and alumni the Departments have tried to extend the discourse of the student-teacher interaction for more better opportunities, organize the administrative official system for faster output and implement more technological devices that would help both the teachers and students.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	IT	31	31	31
MA	All	1091	3311	875
MSc	All	791	3088	628
MCom	Commerce	75	88	52
MBA	Business Administration	40	45	35
MCA	Computer Application	15	14	14
MPEd	Training Programme	40	103	40

BPEd	Training Programme	50	108	50
Mtech	Computer Science	10	64	8
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	46	1908	7	178	3

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
185	185	12	49	18	7
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

Each Academic Department of the University takes special care for mentoring their students which is a continuous process. It includes (a) special care for those who are relatively weak in academic sense by counselling them, (b) allotting extra time for the students beyond usual class time to address their queries, (c) suggesting the students regarding their future career prospects after the end of their University lives according their merit and (d) also, inducing some of them who are little above the average for research work in future. In some Departments like Library and Information science students from 3rd semester are allotted respective supervisors for completion of the guided research work to be submitted at the end of the 4th semester. In Education Department there is allotment of dissertation mentor in the fourth semester and also, internship of B.Ed. and M.Ed. under mentor of different pedagogy subject. The mentors in some Departments are directly interacting with the students for their academic and professional development in terms of tutorial classes, educational tour for industrial and environmental exposure. The courses offered by the Departments help the aspirant graduates in getting a broad based knowledge about theoretical and applied aspects of different disciplines in general and its frontier areas in particular. The courses in some Science Departments include inter-alia, collaborative efforts with different institutes, industries, clinical laboratories and other agencies. Hence, the post-graduate or Ph.D. courses may open multi-channel opportunity of employment and entrepreneurship. The interdisciplinary nature of research in many science departments is reflected in the faculty members, who have shown their collaborative approaches with the other laboratories both at National and International levels (University of Calcutta, Bose Institute, IISER-Kolkata, IIT Kharagpur, Bidhan Chandra Krishi Viswavidyalaya, Central Inland Fishery Research Institute, Tripura University, WB State University, Chittaranjan National Cancer Institute, Nagoya University, Fukuoka Institute of Technology). In some Social Science Departments mentors meet their students and guide them with their studies and extracurricular activities. As in many social science departments a great majority of the students admitted are often first-generation learners, additional attention is devoted to them at all times. To observe the students individually, students are divided in groups. Teacher always advises them to read the required books so that they can better adapt to their discipline. In Visual Arts Department besides the normal class routine schedule the teachers interact with the students through group discussions and assessment, and also organize individual interactive session with the students. Within these sessions the field investigations are also seen and displayed for further proposals. In Zoology, for example, the

departmental library with 10 high end computers with internet and LAN, practical rooms, sophisticated laboratories for different fields of research animal house, microscope room with stereo zoom, dedicated cold room and tissue culture room, instrument rooms with UV VIS spectrophotometer, atomic absorption spectrophotometer, RT PCR, cold and micro centrifuge, GEL electrophoresis apparatus, Gel Doc, UV transilluminator, Freezers (-80°C, -20°C) facilities help the students in acquiring academic skill necessary for their future prospect.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1954	185	1:11

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
303	185	118	20	167

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Jayanta Kumar Biswas	Professor	1. Editorial Board Member, Current Pollution Reports (Springer: IF: 6.373) 2. Editorial Board Member, Energy Environment (SAGE IF: 2.945)
2020	Dr. Shreekant Gour	Associate Professor	Field of art at the inaugural function of national art exhibition 'Visual Effect'
2019	Dr. Sanjib Kumar Datta	Professor	"Siksha Ratna Award- 2019" of Government of West Bengal
2019	Dr. Kakali Bhadra	Assistant Professor	1. Research under literal access awards (RULA) as Distinguished Researcher in Drug designing and its biological evaluation. 2. International travel award for attending conference in Albany, NY, Albany,

| 2019 | Dr. Kakali Bhadra | Assistant Professor | 3. International seminar (ICBS-2020) on innovation, expansion, impacts and challenges in chemical and biological sciences. Awarded by Surendranath College, Kolkata. |
| 2020 | Dr.Kalachand Mahali | Assistant Professor | Birsha Munda Smriti Puraskar 2019-20, Govt. of West Bengal |

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MA	PG	4th	26/06/2020	17/07/2020
MSc	PG	4th	26/06/2020	17/07/2020
MCom	PG	4th	26/06/2020	17/07/2020

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
19	29768	0.06

2.6 – Student Performance and Learning Outcomes

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

https://klyuniv.ac.in/academic/syllabi/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UG	BCom	Hons	300	245	81.66
UG	BSc	Hons.	2850	2457	86.21
UG	BA	Hons.	10378	8600	82.86
PG	MA	All PG	832	794	95.43

PG	MSc	All PG	553	531	96.02
PG	BEd	training	50	49	98
PG	MEd	training	39	39	100
PG	BPEd	training	171	165	96.49
PG	MPEd	training	37	37	100
PG	MBA	Business admisitration	34	34	100
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2.7 – Student Satisfaction Survey

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

https://klyuniv.ac.in/wp-content/uploads/2022/iqac/sssreport/SSS2019-20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Prof. Anirban Mukhopadhyay	Erasmus Teaching Mobility Programme between KU and University of Lodz, Poland	02/01/2020	European Union
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
UGC-JRF/SRF	1095	UGC, GoI
DST-JRF/SRF	1095	DST, GoI
CSIR-JRF/SRF	1095	CSIR, GoI
IUAC-JRF/SRF	1095	IUAC, GoI
ICMR-JRF/SRF	1095	ICMR, GoI
RGNF-JRF/SRF	1095	UGC, GoI
DST-INSPIRE	1095	DST, GoI
D S Kothari Post-Doctoral Fellowship	1095	UGC, GoI
CSIR-RA	1095	CSIR, GoI
SVMCM Fellowship	1825	Govt. of WB
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1825	NBHM, DAE-Govt. of India, WBDST BT- Govt. of West Bengal, DST-SERB	967	279
Minor Projects	1460	UGC-DAE-Kolkata, UGC-DAE-CSR-Mumbai, DSTBT, Govt of West Bengal	12	7
Projects sponsored by the University	1825	University of Kalyani	181	173
Students Research Projects (Other than compulsory by the University)	1825	DST-INSPIRE, UGC RGNF, SVMCM, UGC-NF-OBC, WOSB-DST, CSIR, ICMR, UGC, Govt. of West Bengal, Dr. D.S. Kothari Post-Doctoral Fellowship, ICSSR, UGC TGNF	936	202
International Projects	1095	DST (Govt. of India)	41	13
Any Other (Specify)	1825	UGC-SAP	112	21
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3.3 – Innovation Ecosystem

3.3.1 – 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
One Day International Conference on Human Development, Community Networking and Public Services Delivery	Economics	09/01/2020
National Webinar Title: Biodiversity vis-a-vis Global Scenario: Emerging Issues and Mitigation Techniques	Dept. of Environmental Science	05/06/2020
Green skill development programme entitled "Certificate course on People's Biodiversity	Department of Zoology ENVIS RP University of Kalyani	14/11/2019

Register, jointly organized with ENVIS RP, University of Kalyani. Sponsored by MOEFCC, Govt. of India.		
Health Vs Environment and Nutrition (21 day training) (Joint Coordinator: Dr. Jatindra Nath Bhakta	Department of Ecological Studies	02/07/2019
7days National workshop on Research Methodology Statistical Application in Physical Sports	Department of Physical Education	19/06/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Siksha Ratna Award	Prof. Sanjib Kumar Datta	Higher Education Department, Govt. of West Bengal.	05/09/2019	State
International travel award for attending conference in Albany, NY, Albany, 20th Conversation	Dr. Kakali Bhadra	DST-SERB	11/06/2019	National
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NA	NA	NA	NA	NA	Nill
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Bengali	14
Botany	13
Education	8
Folklore	10
Commerce	3
Environmental Science	1
Computer Sc. Engineering	2
Ecological Studies	2

Department	Number
Economics	4
English	4
Geography	2
Lib. and Information Science	4
Mathematics	6
MBA	1
Molecular Biology and Biotechnology	1
Microbiology	1
Physics	5
Physical Education	8
Physiology	3
Pol. Science	1
Rural Studies	3
Sociology	5
Statistics	1
Zoology	5

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Mathematics	2	0.54
National	Geography	3	0.3
National	Library and Information Science	2	0.3
International	Chemistry	102	4.3
International	Physics	16	4.7
International	Mathematics	44	3.1
International	Ecological Studies	20	3.2
International	Microbiology	8	4.64
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Bengali	35
Education	40
History	34
Mathematics	11
Computer Science Engineering	32
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award

A Method for Gold Nanoparticle Mediated Delivery Process of Plasmid DNAinto Non Competent E. Coli for Higher Transformation Efficiency	Published	318003	09/08/2019			

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Sonochemical synthesis of nanospherical TiO2 within graphene oxide nanosheets and its application as a photocatalyst and a Schottky diode	Purkayastha M.D., Sil S., Singh N., Ray P.P., Darbha G.K., Bhattacharyya S., Mallick A.I., Majumder T.P.	FlatChem	2020	5	Department of Chemistry , University of Kalyani	5
Assignment of optical phonons at the zone center of distorted orthorhombic RCrO3 (R La, Pr, Nd, Sm, Eu) perovskites using force-field lattice dynamics model	Jana Y.M., Saha J., Nandi S.	Vibrational Spectroscopy	2020	0	Department of Physics , University of Kalyani	0
Nature-Inspired Optimization	Dhal K.G., Das A., Ray S., Galvez	Archives of Computational Methods in	2020	26	DETS , University of Kalyani	26

Algorithms and Their Application in Multi-Thresholding Image Segmentation	J., Das S.	Engineering				
Transesterification activity by a zinc(II)-Schiff base complex with theoretical interpretation	Kumar Pal C., Mahato S., Joshi M., Paul S., Roy Choudhury A., Biswas B.	Inorganica Chimica Acta	2020	21	Department of Chemistry , University of Kalyani	21
Schiff base triggering synthesis of copper(II) complex and its catalytic fate towards mimics of phenoxazinone synthase activity	Kumar Mudi P., Bandopadhyay N., Joshi M., Shit M., Paul S., Roy Choudhury A., Biswas B.	Inorganica Chimica Acta	2020	23	Department of Chemistry , University of Kalyani	23
Visible light promoted C-H functionalization of imidazo heterocycles	Bagdi A.K., Hajra A.	Organic and Biomolecular Chemistry	2020	45	Department of Chemistry , University of Kalyani	45
Green synthesized copper oxide nano particles ameliorate defence and antioxidant enzymes in Lens culinaris	Sarkar J., Chakraborty N., Chatterjee A., Bhattacharjee A., Dasgupta D., Acharya K.	Nanomaterials	2020	40	Department of Botany , University of Kalyani	40
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)						
Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Sonochemical synthesis of nanospherical TiO2 within graphene oxide nanosheets and its application as a photo catalyst and a Schottky diode	Purkayastha M.D., Sil S., Singh N., Ray P.P., Darbha G.K., Bhattacharyya S., Mallick A.I., Majumder T.P.	FlatChem	2020	17	5	Department of Chemistry , University of Kalyani
An insight into the production strategies and applications of the lignin olytic enzyme laccase from bacteria and fungi	Debnath R., Saha T.	Biocatalysis and Agricultural Biotechnology	2020	17	12	Department of Molecular biology and Biotec hnology, University of Kalyani
Temporal depletion of packaged tea antioxidant quality under commercial storage condition	Hazra A., Dasgupta N., Sengupta C., Saha G., Das S.	Journal of Food Science and Technology	2020	17	3	Department of Botany , University of Kalyani
Transesterification activity by a zinc(II)-Schiff base complex with theoretical int	Kumar Pal C., Mahato S., Joshi M., Paul S., Roy Choudhury A., Biswas B.	Inorganica Chimica Acta	2020	17	21	Department of Chemistry , University of Kalyani

erpretation						
Schiff base triggering synthesis of copper(II) complex and its catalytic fate towards mimics of phenoxazinone synthase activity	Kumar Mudi P., Bandopadhyay N., Joshi M., Shit M., Paul S., Roy Choudhury A., Biswas B.	Inorganica Chimica Acta	2020	17	23	Department of Chemistry, University of Kalyani
Visible light promoted C-H functionalization of imidazo heterocycles	Bagdi A.K., Hajra A.	Organic and Biomolecular Chemistry	2020	17	45	Department of Chemistry, University of Kalyani
Utility of Silver Nanoparticles Embedded Covalent Organic Frameworks as Recyclable Catalysts for the Sustainable Synthesis of Cyclic Carbamates and 2-Oxazolidinones via Atmospheric Cyclizative CO2 Capture	Ghosh S., Khan T.S., Ghosh A., Chowdhury A.H., Haider M.A., Khan A., Islam S.M.	ACS Sustainable Chemistry and Engineering	2020	17	25	Department of Chemistry, University of Kalyani
			[View File](#)			

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	158	131	57	14

Presented papers	96	62	24	10
Resource persons	74	70	46	20

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
NA	NA	NA	0

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
S. N. Bose and Innovation Centre	Workshop on "Basics of Confocal Microscopy and its Application"	Different Academicians Research Scholars	68000	29
Lifelong Learning Extension	Entrepreneurship and Marketing Chain Development through Market-led production and Post-harvest Management during 18.08.2019 to 27.09.2019	Consortium For Training, Research and Development Livelihood Networking, Participatory Planning, study and Research (CTRD)	254058	170
S. N. Bose and Innovation Centre	2 Weeks Short Term Training on "DNA Bar-coding and Genetic Diversity"	Different Academicians Research Scholars	21000	21
S. N. Bose and Innovation Centre	3 Days Workshop on "Application of PCR technology in Biological Science"	Different Academicians Research Scholars	15000	30

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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Green Skill Development Programme (GSDP) on People's Biodiversity Register	ENVIS, RP University of Kalyani	2	25
Webinar on Occupational Health and Safety	Indian Chamber of Commerce and Department of Physiology	1	15
Distribution of masks and sanitizers during 1st wave of corona virus for people awareness.	NSS	1	30
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NA	NA	NA	0
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Awareness programme	Kalyani Shine India (NGO), Kalyani, WB (Ecological Studies)	Protect Environmental pollution	4	80
Awareness programme	Kalyani Shine India (NGO), Kalyani, WB (Ecological Studies)	Plastic pollution and environmental health	3	65
Nadia District PM Abaas Joyona	Pratichi Trust (India) (LLE)	Field Research	1	4
Green skill development programme, certificate course on "People's Biodiversity	ENVIS RP, University of Kalyani and Department of Zoology	Certificate course on "People's Biodiversity Register".	2	25

Register" organized jointly with ENVIS RP, University of Kalyani. Sponsored by MOEFCC, Govt of India.				
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research	01	Fellowship	1095
Collaborative research with publications	08	Individual EMR project, PRG, DST PURSE	365
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3.7.2 – 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	Duration To	Participant
Internship	Project assistants for National Digital Library of India (NDLI)	Indian Institute of Technology, Kharagpur	01/07/2019	30/06/2020	03
Project	Project Supervision	ISI, Kolkata, Calcutta University	01/07/2019	30/06/2020	02
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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
NA	Nill	NA	0
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
280	219

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SOUL 2.0	Partially	2	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
e-Journals	5308	10426978	5320	10053595	10628	20480573

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Parthasarathi Mukhopadhyay	CDS/ISIS for Windows An Introduction Use of Content Designators in WINISIS Common Communication Format (CCF) in WINISIS Steps in Developing Databases in WINISIS Steps in WINISIS: FDT and Worksheet Steps in WINISIS: Pickup Lists in Worksheet Steps in	SWAYAM course	01/07/2019

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1252	24	912	1	1	312	35	100	0
Added	100	2	100	1	1	25	0	0	0
Total	1352	26	1012	2	2	337	35	100	0

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

<div align="center">2 MBPS/ GBPS</div>

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
NA	Nill

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 incurredon maintenance of physical facilites
185	152	825	618

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

Laboratory: Laboratories of the departments of Science faculty, Computer Science Engineering, DETS are maintained primarily by the departmental teacher technical staff. However, if repairing of any instrument is required, funds are provided by the finance section. Besides several instruments are maintained repaired by signing MOU with companies supplying the instruments. Instruments procured from project funds are maintained repaired by the overhead funds. Laboratory instruments are used by the students and scholars of the department. Instruments in the research laboratories are used by the research students of the department as well as from other departments of the University. Library: Books and e-journals are purchased from library grants obtained from UGC as well as State Govt. Sometimes, books are gifted by faculty members. The collection housed in the central library comprises of books, journals, monographs, articles, Ph.D. theses, M.Phil. dissertation etc. Also, soft copies of theses are available here. All the documents are maintained by the staff of the Central library. Lending collection of these documents are done by the central library. Computers: Computers are maintained centrally by the Centre for Information Resource Management (CIRM) of the University. Technicians of the CIRM install repairs and maintain the LAN system of the University. Purchase of new computers is through central Purchase Committee. Development Officer of the University monitors all purchase of computers instruments. All stakeholder of the University utilize these computers for official, teaching research purpose. Sports Complex: University has a sports council with the Hon'ble Vice Chancellor as President and Head of the Department of Physical

https://klyuniv.ac.in/wp-content/uploads/2022/iqac/Procedures_and_Policies_to_maintain_support_facilities.pdf

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	Merit cum means	262	750000
Financial Support from Other Sources			
a) National	OASIS, K-3, SVMCMS, WBMDFC, Indira Gandhi Scholarship for single girl child, PG scholarship for rank holders, PG scholatrship in SC/ST for professional course, Post Matric scholarship for Minority, Beedi worker, PWD, Etc.	2504	52266500
b)International	NA	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Department of Zoology Remedial classes for weaker students	Nill	15	Nill
Department of Mathematics Problem solving capacity for NET/ SET/ Gate	Nill	80	Nill
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed

2019	Career Guidance at the Departmental level: Department of Zoology	5	5	5	5
2019	Career Guidance at the Departmental level: Department of Physical Education	19	19	19	19
2019	Career Guidance at the Departmental level: Department of Physics	8	20	4	4
2019	Career Guidance at the Departmental level: Department of Geography	26	30	18	18
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
8	6	30

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
CronJ, Valuable Edutainment Pvt. Ltd., CoCubes Software, Siance Software Pvt Ltd, IBN, Nielsen	73	13	IOCL, L T Infotech, Krish Biotech Research Pvt. Ltd.	42	22
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	371	Master of Science, Master of Arts, Master of Commerce, MCA, M Tech, MBA, Master of Library and Information Science, B.P.ED/M.P.ED, B..ED/M.ED	Different PG departments under University of Kalyani	JU, CU, BU, VU, BVU, KU, MBU, PU, AU, KNU, BHU, IITs, NCCU Taiwan, NITs, BARC, CMC, NCL, etc	M.Phil/ Ph.D. Project Associate (NDLI), Post Graduation Diploma in Water Sanitation and Hygiene

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

Items	Number of students selected/ qualifying
NET	287
SET	132
GATE	71
CAT	1
GRE	3
Civil Services	118
Any Other	47

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

Activity	Level	Number of Participants
Annual Athletic Meet	Institutional	196
Cultural Programme on Independence Day	Institutional	78
Cultural Programme during Departmental Reunions	Institutional	1875
Cultural Programme on Teachers Day Celebration	Institutional	150

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student

| 2019 | Kho-Kho Champion | National | 1 | Nill | Nill | 12 players in total |

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

Student representatives in the following committees : 1. Sports |Council 2. Library Committee 3. Student Welfare Committee 4. Hostel Admission Committee 5. Hostel Prefects, etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The University has no Central Alumni association, but, the departments like Physics, Chemistry, Zoology, Botany etc. have registered Alumni Associations. Though the University has no Central Alumni Association at present, but the departments of Physics, Chemistry, Botany, Zoology etc. have registered Alumni Associations. The members of the Alumni Associations organize Seminars/Conferences in the respective departments. They take active role in their departments during Reunion of present and past students, teachers and scholars. Members of the Association hold meeting, interact with the present students scholars, teachers and give valuable suggestions for upgradation of Academic Research activities. They participate in the Cultural programme of the departments. They also contribute financially to the events. In some departments, Prizes and Medals are awarded by the Alumni Association. The Alumni Associations also organize Seminars on various issues linked with the interests of the departments. They also guide scholars students for further academic and job-oriented progress. They also gift books to the departmental libraries.

5.4.2 – No. of registered Alumni:

1840

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

145000

5.4.4 – Meetings/activities organized by Alumni Association :

21

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)

1. Facilities for Interdisciplinary Research and Social Responsibility To ensure quality of research work, publication and thesis work, Teachers and Research Scholars of any department have the freedom to avail the facilities of any other department or centres. Following it, extensive researches have been undertaken on topics related to theoretical, experimental and material aspects of compounds with biological importance. As desired by Health and Family Welfare department, Government of Wes Bengal, instruments like Real Time PCR, Refrigerated Centrifuge, Pipetteman for PCR, Pipetteman for RNA etc. have been provided by the University to JNM Hospital, Kalyani, Nadia, WB for detection and treatment of Covid patients. 2. UGC CARE Journal Recommendation Various

departments of the University and the affiliated colleges apply for re commendation of certain journals for the enlistment in the UGC CARE list of journals. After verification of the authenticity and quality of the research publications in these journals, the Director IQAC recommends and sends the recommendations to the Nodal University of the Eastern Region. It is an important role in improving the quality research publications of India in the global competition.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Curriculum is designed to run the higher education for the betterment of the society. The programmes are structured to provide a solid basis in Science, Humanities, Engineering, Management, Commerce Education. Major revisions of the curriculum take place after three years in the light of Regulations institutional requirements. New Centres are established with inter-disciplinary subjects. New CBCS syllabi have been introduced in the Under Graduate (UG) Post Graduate (PG) courses after thorough discussion in Board of Studies (UG PG) meetings. The department of Statistics offers integrated program (B.Sc. M.Sc.). Department of Geography has very well-connected GIS programmes with current issues like water management. Skill development courses are introduced in the UG level. Project work dissertation have been made compulsory in the PG level to generate an aptitude of research among the students.
Teaching and Learning	The University of Kalyani has a provision to enrol students from different sectors following mandatory reservation policy laid down by Central as well as State Governments. There is provision for tutorial classes for slow learners. Department organises seminars, conferences for advanced learners. Every department has at least one smart class room with overhead projectors. Students also write project papers, complete assignments. Regular internal assessment examinations are held. Field works academic tour are compulsory for departments like Geography, Physical education, Botany, Zoology etc.

Examination and Evaluation	As per the University Regulation, during every academic year the departments conduct at least one internal assessment examination one end semester examination. In the meeting of the Post Graduate Board of Studies (PGBOS), the list of paper setters and moderators are prepared. Respective paper setters submit their questions to the controller department. The submitted question papers are then moderated in presence of internal as well as external moderators. The students are also given assignments. The evaluation is based on written examination, internal assessment, project papers including viva-voce examination. In science subjects, external experts are appointed to conduct practical examination including viva voce examination. CGPA system of grading is followed.
Research and Development	The University of Kalyani has made its mark in research at national as well as in international level. The research carried out by the University is supported by the funding agencies like DST, DAE-BRNS, UGC, CSIR, AICTE, DBT, RUSA. Good numbers of MoU's have been signed with reputed national and international organizations for the collaborative research. University has a research scheme i.e., University Research Scholar (URS). All Ph.D. students have to qualify at the six-month duration Ph.D. Course Work. All Ph.D. students have to qualify at the six-month duration Ph.D. course work. Research Methodology is compulsorily taught to all students of the department by the faculties of that department. Students are advised to publish research papers related to their Ph.D. work in peer reviewed journals as prescribed by UGC. They are also encouraged to participate in national/international conferences.
Library, ICT and Physical Infrastructure / Instrumentation	Open access reading and circulation facility. • Providing photocopy, print out and scanning facility with minimum charge. • Providing internet access with Wi-Fi facility. • Providing extended hour library service. • Proving access of Departmental Reference Library. • Digitization and uploading (2567) of PhD theses of the University on Shodhganga platform. •

	Plagiarism checking of the research content through the plagiarism detection software Original. • A database of old University question paper has been created through D Space software.
Human Resource Management	The employees of the University are posted at various posts depending on their specialization, experience and functional requirements of the University. The employees without computer knowledge are trained in the CIRM for office work using computers. Technical staff working in the laboratories are given periodical training either within the University or in the workshops on maintenance and repairing outside the University.
Industry Interaction / Collaboration	The departments of Engineering and Technology, Business Administration and Management, and Computer Science and Engineering regularly interact with industrial personnel. A lot of departments have several collaborative initiatives with various other Universities Institutions. Regular Industry visits, Guest Lectures are carried out.
Admission of Students	Till now, hybrid model (admixtures of online and offline methods) of admission process is followed for Post Graduate (PG) admission to different subjects. Advertisement for admission to PG Courses are widely published in the University Website and National newspapers. Advertisement contains minimum qualification, fee's structure and the deadlines. Syllabus for different subjects is displayed in the University website. Application forms can be downloaded from the websites. This has reduced time consumption and manual workload. However, application forms are received and verified manually to prepare the merit list. 60 percent seats are reserved for the home university students and 40 percent seats are for the students of other Universities. An entrance examination (Multiple Choice type) is held for students of other Universities and a merit list is prepared based on entrance examination marks plus Under Graduate (UG) Honours marks. The whole process is transparent and status of all applicants are displayed on the University website. Admissions to UG

	courses in different degree colleges affiliated to the University are completed by the respective colleges in a transparent manner. Government reservation policy is strictly maintained.

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

E-governace area	Details
Planning and Development	• All academic masters plans (both long-term and short-term) consistent with the Universitys mission and vision are carried out under the supervision of the IQAC. The academic departments and centres of the University are well connected to IQAC through a partial e-governance system. • All activities based on the curricula are governed according to the academic calendar under the supervision of the Faculty Council of the University through partial e-governance. • Full faculty information, funding information, faculty publications and other planning and development information is available on the Universitys website. The Website is continually updated to facilitate various planning and development information and ongoing activities. • The project proposals are submitted to funding agencies by online mode only. Receiving grants and maintaining funds are done electronically through PFMS and managed by Tally software.
Administration	• All the administrative sections run under the supervision of the Registrar, University of Kalyani through a partial e-governance system. The establishment section of the University manages the recruitment of teaching/non-teaching staffs and maintains the service records of individual staffs such as seniority, retirement dates, leave statements and confidential reports through the system. Annual appraisals and DSIR certificate database are also maintained and updated regularly by the system. • Promotion of teaching faculty through career advancement scheme (CAS) are managed and implemented through the system under the supervision of the IQAC. • Promotion of University officers (CAS) and regular promotion of non-teaching staffs are managed and implemented through the system under the supervision of the Registrar. • The

	system maintains a data base for university research fellows, project fellows and individual research fellows. Also the database for PG students, beneficiaries of different Govt. study grants, is maintained by the system. • All the routine functions of the library are automated by means of integrated library software, SOUL, developed and distributed by UGC INFLIBNET.
Finance and Accounts	• The finance and accounts department are well equipped with online accounts management system to manage the regular financial activities such a spay rolls, staff salaries, retirement benefits, pay slips etc. • Salaries and all other remunerations of routine activities are made through online portals directly to the beneficiaries' account. The fellowship for research scholars is also made similarly. • The research project grants received from different funding agencies such as SERB, UGC, CSIR, DST-FIST, DST PURSE, RUSA etc. are managed through PFMS and Tally software, which keeps the process updated and takes care of timely payments to the vendors. • The tendering process is administered online, either through the Universitys website or through the governments electronic tendering portal, to ensure transparency.
Student Admission and Support	• All PG and Ph.D. admissions are processed centrally online from application to final admission. Usually, after advertising in newspapers and the website, students are required to create their own online registered profile on University admission portal. A comprehensive step-by-step guide for the whole process is available on the portal for student convenience. After online application the testimonials, category and other relevant information for individual students are verified by the individual departments. The admissions has been made either through merit or through admission test/counselling as decided by the faculty council of the University for different courses. • For Ph. D. admission, an online admission test has been conducted for non-NET/GATE applicants, which follows an interview before final selection. • All

	the payment for the admission has been made through the online portal only.
Examination	• The examination cell runs under the Controller of the examination. It operates through a computerised data management system to manage the student life cycle, starting from registration to result publication.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Abhay Sankar Sahu (Assistant Professor, Dept. of Geography)	XIV DGSI International Geography Conference, Dept. of Geography, University of Rajasthan, India	Nill	10000
2019	Biswambhar Mandal (Assistant Professor, Dept. of Commerce)	9th IIMS International Conference on "Managing Ecological Changes: Challenges Policies", Hanoi, Vietnam.	Nill	33000
2019	Ishita Roy (Assistant Professor, Dept. of English)	New York Conference on Asian Studies (NYCAS),State University of New York (SUNY), New Paltz, New York, USA	Nill	80000
2019	J. K. Mandal (Professor, Dept. of Computer Science Engineering)	International Conference on Interactive and Collaborative Learning (ICL-2019),Bangkok, 973 Phloen Chit Road, Thailand	Nill	50000
2020	Manoranjan Jana (Assistant Professor, Dept. of	International Conference on Chemistry for Physical	Nill	5000

	Chemistry)	Development (ICCHD-2020), Heritage Institute of Technology, Kolkata			
2020	Saikot Chatterjee (Assistant Professor, Dept. of Physical Education)	International Conference of Physical education and Sports ScienceManipal University, Jaipur,	Nill		10000
2019	Nill	Nill	Association of Indian University (AIU)		49000
2019	Nill	Nill	British Council Division		3500
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Awareness Workshop on NAAC Accreditation	Awareness Workshop on NAAC Accreditation	16/08/2019	17/08/2019	140	121
2019	CBP in Research Methodology for Young Social Science Faculty	Nill	09/12/2019	21/12/2019	22	Nill
2020	CARE to BIODIVERSITY	Nill	05/06/2020	05/06/2020	161	Nill
2020	IPR and Related Issues	Nill	03/03/2020	04/03/2020	84	Nill
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Two Week Faculty Development Program entitled "Research Methodology"	1	20/06/2020	30/06/2020	11
21 Days NRDMS-DST sponsored Winter School on Geospatial Technologies (Level-I) venue National Institute of Technology (NIT), Agartala, Tripura	1	29/11/2019	19/12/2019	21
Refresher course on Algebra and Analysis and their applications	1	18/11/2019	30/11/2019	13
SWAYAM Annual Refresher Programme in Teaching (ARPIT) for Career Advancement Scheme (CAS) promotion: Online Refresher Course in Management	1	01/09/2019	30/06/2020	300
Refresher Course on Advancement in Biological Sciences (HRDC-University of Burdwan)	1	16/08/2019	29/08/2019	14
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time

0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Teaching: Medical facility in the campus (Health centre with one Doctor, two Pharmacists and two female nurses on contractual basis), Banking facility, FDP, Festival Advance, PF Loan, Loan from Employees cooperative, Travel Grants for academic purpose, daily bus services.	Non teaching: Loan from Employees cooperative, Festival advance, PF Loan, Medical facility in the campus (Health centre with one Doctor, two Pharmacists and two female nurses on contractual basis), daily bus services.	Students: Medical facility in the campus (Health centre with one Doctor, two Pharmacists and two female nurses on contractual basis), daily bus services, Student Medical aid Fund, Concession on Fees, Girls Boys Hostels, Internet access free of cost, endowments from stakeholders, Students aid fund.

6.4 – Financial Management and Resource Mobilization

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

In the University of Kalyani, there is a system of pre-audit of the bills and vouchers before release of the pay order. So far as internal check and internal control are concerned, the University follows that after taking kind approval from the Vice-Chancellor, Money Sanction (MS) is issued by the Finance department mentioning the head of expenditure, purpose of expenditure and amount keeping in view the budgetary head and provision. Bill (Audit) section checks all bills/vouchers and forward it to the Audit and Accounts officer for his verification and issue pay order after thorough checking. Each and every entry in the Cash Book is verified by the Finance Officer at the time of signing the cheques. Moreover, Annual Accounts of the University is audited by the Office of the Principal Accountant General (General and Social Sector Audit), Indian Audit and Accounts Department, West Bengal Circle as statutory auditor.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
1. Late Anath Nath Dutta and Late Shefali Dutta Award. 2. Late Nirad Krishna Biswas Award. 3. Late Suniti Prava Das Award. 4. Smt. Kalyani Dhar Memorial Award	600000	1. Awarding medal to the topper to the topper in Bio-Chemistry and Bio-Physics. 2. Awarding silver medal to a girl student securing highest marks in B. P. Ed. 3. Awarding silver medal to the topper in Master of Fine Arts (MFA). 4. Awarding gold medal to the student securing highest marks in M. A. (Economics)
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6.4.3 – 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	NA	Yes	Faculty Council
Administrative	No	NA	Yes	Executive Council

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

NA

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

1. At the time of counselling and admission, parents visit the respective departments and interact with the teachers officials regarding academic infrastructure, hostel facilities, and rules regulations of the University. Their suggestions are considered sincerely. 2. The parents are provided regular feedback about the students physical and mental health, learning abilities and academic progress. Any feedback from them is considered and applied. 3. Most of the departments interact with the parents on regular basis (online/offline) regarding performances of the students and the academic atmosphere of the department. Their suggestions are given utmost importance for further development of the teaching-learning evaluation system.

6.5.4 – Development programmes for support staff (at least three)

1. Two-day National Seminar on Libraries in next era for Library staff. 2. To extend e-governance to all sections of academic, administrative and financial area, support staff are selected every year for computer training at the CIRM for office work and preservation of documents. 3. Support staff of specific departments like Botany, Zoology, ENVIS Centre, Folklore are given training for field-work related to the subjects.

6.5.5 – Post Accreditation initiative(s) (mention at least three)

(i) Major Instruments like Automated DNA Sequencer (Applied Bio-systems 3500 Genetic Analyzer) with accessories, and Confocal Microscope (ZEISS LSM 800) have been purchased to strengthen facilities for Research Innovation. (ii) ICT based teaching learning system has been largely used in the Covid-19 pandemic situation. (iii) As an initiative taken for implementation of complete e-governance, University is going to implement the Enterprise Resource Planning (ERP) (e-governance system).

6.5.6 – Internal Quality Assurance System Details

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

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants

2019	20 applications received for promotion under CAS have been scrutinized by application verification committee under the purview of IQAC and sent to Registrar department for selection/screening committee meeting.	02/07/2019	02/07/2019	30/06/2020	6
2019	Responded to 47 RTI and other queries regarding promotion/recruitment for CAS or direct recruitments.	02/07/2019	02/07/2019	30/06/2020	47
2019	Director, IQAC of the University of Kalyani participated in the "National Level Workshop for Dual Mode Universities" organized by NAAC Office, Bengaluru.	Nill	18/12/2019	18/12/2019	Nill
2019	The IQAC and Inspector of colleges (IC) jointly organized two-day awareness workshop on "NAAC Accreditation for Non-	16/08/2019	16/08/2019	17/08/2019	67

	Accredited Higher Education Institutions" sponsored by NAAC at the Vidyasagar Sabhagriha, University of Kalyani.				
2019	Several Equipment like (i) Automated DNA Sequencer (ii) Gel Documentation System with software (iii) DNA/RNA Quantifier (iv) Confocal Microscope (ZEISS LSM 800) purchased from DST-PURSE Grant of the University, have been made operational.	02/07/2019	02/07/2019	30/06/2020	125
2020	Online feedback data collected from Students, Parents, and Alumni has been analyzed to promote quality enhancement for teaching-learning evaluation, infrastructure.	04/05/2020	04/05/2020	22/05/2020	1950
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Solid Waste Management Scheme of Project Gram Panchayats, Dept. of Lifelong Education and Learning, Involvement of Women Incumbents	07/01/2020	07/01/2020	2	16
Entrepreneurship and Marketing chain Development through Market-led production and Post-harvest Management, Dept. of Lifelong Education and Learning, Active involvement to women participants.	01/07/2019	20/03/2020	151	442

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

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

1. The university has conducted various environmental awareness activities such as tree plantations, water harvesting, development of solid waste management systems, bio waste management system, e-waste management systems, etc. Every year, World Environment Day is celebrated in the University undertaking tree plantation programmes. NSS celebrated World Ozone Day in collaboration with ENVIS, University of Kalyani organizing workshop with 5 coordinators and 90 participants. 2. Energy conservation: The University is making conscious effort for energy conservation. The university has switched over to low power consuming lamps like CFL lamps and LED lamps as far as practicable. The University has also planned to use renewable source of energy especially solar energy for some of its lighting and heating requirements and plans to switch to solar energy sources in a big way in near future. The Eco Park is already lighted with solar energy. 3. Water harvesting The University also has making conscious effort for water conservation. There are some rainwaters harvesting and natural recharges of groundwater ponds established in the university campus. 4. Hazardous Waste management: For hazardous waste management the University has taken the following steps A 20 ft deep well (soak pit) is being

dug to dump all hazardous waste material in it with standard specification. The outlet of the basins and waste pipes of the laboratories which use radioactive materials is directly connected to the well 5. e- Waste management: The e-waste is minimized through (i) The policy of buy-back system the University is following with the suppliers. (ii) If possible, upgrading the system before opting for replacement or dumping for the buyback system

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	No	Nill
Rest Rooms	Yes	30
Scribes for examination	Yes	Nill
Special skill development for differently abled students	No	Nill
Any other similar facility	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	4	04/08/2019	1	To provide the infrastructural facility and manpower for Police Recruitment Test	Exam completed	800
2020	2	4	02/02/2020	1	To conduct West Bengal Joint Entrance Examinatio (WBJEE)	Exam completed	558
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Rules of Discipline and Proper Conduct for Students of Kalyani University	30/05/2014	To maintain discipline within the Campus life and to keep it peaceful, eco-friendly and to safeguard the interests of all stake-holders, the Code of Conduct for Students has been formulated and accepted in the Executive Council Meeting. Vice Chancellor, Deans of faculties, Heads of academic departments or centers, or any competent authority as the case may be, for good and sufficient reasons impose any or more of the punishments as prescribed in the Code of Conduct. Before imposing punishment, an enquiry committee so authorized, after giving sufficient opportunity of hearing, may charge the student for the appropriate punishment if there are sufficient reasons for it.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Ph.D./M.Phil. Coursework 2020 (A course on research ethics was taught to the Ph.D./M.Phil. scholars as a part of coursework as per UGC guideline)	02/01/2020	31/03/2020	60
Faculty members and research students are informed periodically about the anti plagiarism policy and publication ethics as prescribed by UGC time to time.	01/07/2019	30/06/2020	432
Teachers Day	05/09/2019	Nil	400

Annual Public Lecture by Prof. Sankar Kumar Ghosh, Honble Vice-Chancellor, K.U.			
Several posters containing quotations of present past Great Personalities of India and World are placed at appropriate places of the University campus.	01/07/2019	30/06/2020	3200

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

Green campus initiatives with focus on biodiversity conservation: The University promotes the maintenance and sustenance of the natural greenery and inherent biodiversity of the campus. The major trees, shrubs and herbs in the University campus and surrounding have been surveyed and documented. The University has also established a Butterfly Garden and a Herbal Garden within its campus with funds from West Bengal Biodiversity Board, Govt. of West Bengal and Ministry of AYUSH, Govt. of India (Fig.1). The garden houses more than 80 different varieties of medicinal plants, many of them rare and threatened and many that are commonly found in the Gangetic plains of Nadia and Murshidabad districts (Fig.2). The campus has documented bird visitors of about 83 numbers, 49 butterfly visitors, 10 mammals, about 16 reptiles and 8 amphibians (Fig.3). The University strives to maintain its inherent biodiversity and create habitat for more of such flora and fauna. Green campus initiatives with focus on energy conservation: The University is making conscious effort for energy conservation. All the stake holders are being educated to switch off electric points whenever the utility of the point is not absolutely necessary. Everyone is advised to switch off the computer when not in use. The university is switching over to low power consuming lamps like CFL lamps and LED lamps as far as practicable. The University has also planned to use renewable source of energy especially solar energy for some of its lighting and heating requirements and plans to switch to solar energy sources in a big way in near future. The Ecopark is already lighted with solar energy. Water harvesting: The University also has making conscious effort for water conservation. There are some rainwater harvesting and natural recharges of groundwater ponds established in the university campus. Hazardous Waste management: For hazardous waste management the University has taken the following steps A 20 ft deep well (soak pit) is being dug to dump all hazardous waste material in it with standard specification. The outlet of the basins and waste pipes of the laboratories which use radioactive materials is directly connected to the well e- Waste management: The e-waste is minimized through (i) The policy of buy-back system the University is following with the suppliers. (ii) If possible upgrading the system before opting for replacement or dumping for the buyback system

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice Number I: Establishment of an Arboretum and a Biodiversity Park in the University of Kalyani as an Extension of the

previously formed Herbal and Butterfly Garden 2. Objective of the Practice i. The primary objective behind the opening of an arboretum and biodiversity park was to have an innovative yet sustainable approach towards green environment with the reference to conservation of biodiversity of an area. ii. To have a place in the University where not only the rare species of plants will be conserved, to maintain a genetic stock of the same and create a database on the flora and fauna available so that the students can study and make observations on interactions between different species. iii. To have the nature reserve for the conservation of natural heritage in the area. 3. The Context: The idea behind having an Arboretum and Biodiversity is to promote biodiversity conservation and research in the University. 1. The Practice: Establishment of an Arboretum in the Biodiversity Park initiated by Biodiversity Working Group in 2018-2019 continued in 2019-2020 with an increased area of the Herbal and Butterfly Garden of the University of Kalyani. The grants received from the Ministry of Ayush, Govt. of India and West Bengal Biodiversity Board were put into use. The expanded area of the Herbal and Butterfly Garden was further made into a Biodiversity Park of the University. Various programmes were undertaken by the Department of Botany and the Department of Zoology to increase awareness among students and teachers about the importance of biodiversity. After the establishment of the Biodiversity Park efforts have been taken by the Department of Botany to organize several plantation programmes in the part and have various certificate courses where the study area would be the biodiversity park. Forest Department, Govt of India has also donated various saplings for the park (Fig. 1, Fig.2). 4. Evidence of Success: The park has received central funding from the Ministry of Ayush, Govt. of India for its upkeeping and maintenance. It has also received funding from the Biodiversity Board, Govt. of West Bengal. Moreover, the park receives active help from the Forest Department in the plantation programmes arranged. The park now is growing various plants which can be procured by the 5. Problems Encountered: The Biodiversity Park, University of Kalyani is a huge area which requires strict upkeeping. The present funding from Ministry of Ayush and the Biodiversity Board, Govt. of West Bengal is helping in the maintenance but to maintain a genetic stock and to achieve all the objectives behind opening this park, many more fundings are needed. Also, the Park is trying to generate revenue and the University plans to open up some activities in the park that might generate revenues in the future. 1.Title of the Practice 2: NNS Activities in the University and beyond the Campus for the Local People of Nadia and Murshidabad District 2. Objectives: i. To increase the extension programmes from the University of Kalyani ii. Have extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year 2019-2020. iii. To make the rural people of Murshidabad and Nadia aware about cleanness specially during covid-19 times and make the female careful about their reproductive Health in general. 2. The Context: University NSS unit is actually involved in various extension programmes that are associated with the improvement of socio-economic conditions, health conditions of the people living in the districts of Nadia and Murshidabad. 3. The Practice: The NSS unit from the University of Kalyani is associated with various awareness programmes under the leadership of NSS coordinator of University of Kalyani. The NSS unit of the University is actively associated with the Swatch Bharat Abhiyan where approximately 5400 students of our university joined the cleaning drive in the campus and in Kalyani township. The NSS unit also organized AIDS Awareness Camp in rural areas to make people aware of the disease and help them get rid of the taboo associated with AIDS. During the outbreak of COVID-19, in the month of March, 2020, when there was a scarcity of sanitizers, the NSS unit of Kalyani University took the initiative of distributing sanitizers that were made by various science department of University of Kalyani. They also extended their help to the Hospitals in Nadia and Murshidabad districts who were working with

COVID-19 cases at that time. Also, the NSS unit of the University of Kalyani visited various old age homes and Municipality in Nadia distributing sanitizers. The unit is also closely associated with spreading awareness by conducting World Drama Day Seminar in the year 2019 where almost 250 students joined the programme (Fig. 3, Fig. 4, Fig. 5, Fig. 6). The NSS unit of the University observes the following days: National Youth Day 12th January Republic Day 26th January Martyr Day 30th January International Women Day 8th March World Health Day 7th April Anti-Terrorism Day 21st May World No Tobacco Day 31st May World Environment Day 5th June World Population Day 11th July Independence Day 15th August Sadhbavana Day 20th August International Literacy Day 8th September International Peace Day 15th September NSS Day 24th September National Blood Donation Day 1st October Communal Harmony Day 2nd October National Integration Day 19th November World AIDS Day 1st December World Human Right Day 10th December National Youth Week 12-19th January Van Mahotsava Week 1-7th July International Literacy Week 8-14th July 4. Evidence of Success: Kalyani University was selected for the Best University Award, NSS by the Department of Higher Education, Govt. of West Bengal as the University encouraged students in social service and had maximum student participation in NSS activities. Prof. Sukhen Biswas was also awarded the Best Programme Co-ordinator of NSS in West Bengal by the Government of West Bengal, Belur, Howrah by the Higher Education Department of the Govt. of West Bengal. NSS gets a huge student participation from the University as well as from all the affiliated colleges of University of Kalyani. The NSS has also arranged Gender Sensitization Programme for bringing in gender equality in the rural belts of Nadia and Murshidabad. All these awards and programmes attest the success of the NSS activities of the University of Kalyani. 5. Problems Encountered: The NSS unit has a huge student participation from the University of Kalyani and the affiliated colleges. Organizing programmes in the rural areas are challenging at times as logistics is an issue. But the programme coordinators of the NSS unit of the University and the affiliated colleges have to some extent have overcome the problems faced by the students participating.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://klyuniv.ac.in/wp-content/uploads/2022/iqac/InstitutionalBestPractices/ibp2019-20.pdf

7.3 – Institutional Distinctiveness

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

The performance of the University distinctive to its vision, priorities and thrust area is evident from its basic policies and programs followed throughout the year. Several steps are undertaken to enhance the quality of the education and research instead of quantitative enhancement and expansions of the existing facilities. To maintain national integrity and progress, the University has been concentrating on such initiatives which are very much relevant to the development and progression of the nations. Considering these aspects, the University has taken the following initiatives: (i) In the University, an atmosphere of communal harmony is preserved promoting the ideas of secularism, national integration and scientific outlook have been promoted with care. (ii) Considering the location of the University, students of all religions are admitted here and they promote maintain a sense of communal harmony. (iii) Interdisciplinary subjects are introduced for teaching and research to ensure completeness of knowledge. (iv) The decisions regarding Syllabus review upgradation, method of evaluation, compulsory coursework for Ph.D. students, are taken by the teachers themselves. (v) Admission to Ph.D. course is made through an entrance examination viva voce of the qualified students. (vi) There

are provisions for different scholarships for students. Students, as well as faculty members get financial support for field work in some subjects. (vii) The University has signed Memoranda of Understanding (MoU) with a large number of National/International Institutions. (viii) The departments of Microbiology, Molecular Biology Biotechnology have been organizing Entrance Examinations for admission to PG courses.

Provide the weblink of the institution
https://klyuniv.ac.in/wp-content/uploads/2022/iqac/InstitutionalDistinctiveness/id2016-17.pdf

8.Future Plans of Actions for Next Academic Year

1. To upgrade the infrastructural facilities of the departments in the form of more modern equipment's/instruments in the next year to provide support in all fields of research. For this, faculties have applied for more Extramural Projects. 2. To provide more research exposure to the post-graduate students through syllabus modernization and by introducing review works. 3. The Department of Zoology plans to conduct more training courses on community development and entrepreneurship projects on Sericulture/Apiculture/Aquaculture etc. and plans to organize workshops on modern techniques in the field of Molecular Biology, to generate jobs in various sectors. 4. More attention will be given on Research Ethics and the Intellectual Property Rights in Pre Ph.D.-Course work of the Ph.D. M.Phil. Students. 5. To enhance the research outcome: Yearlong activities will be undertaken for general and specific awareness among teachers, research students to encourage them publication in high quality research journals to enhance the visibility and accessibility to the research community. 6. To explore Collaborative Research Programmes with some of the prestigious Research Institutes within India.