



PANSKURA BANAMALI COLLEGE

(AUTONOMOUS)

Affiliated to VIDYASAGAR UNIVERSITY

NAAC Re-accredited 'A' Grade (2016 – 2023)

DST-FIST(Govt. of India), BOOST-DBT(Govt. of West Bengal) sponsored College

Website : www.panskurabanamalicollege.org

E-mail : principal.pbc@gmail.com

P.O. - PANSKURA R.S. : PIN – 721152 : DIST. - PURBA MEDINIPUR : WEST BENGAL : INDIA

IQAC ANNUAL REPORT 2020-2021 INTERNAL QUALITY ASSURANCE CELL

OBJECTIVE:

Internal Quality Assurance Cell (IQAC): A Commitment to Excellence

The primary objective of the Internal Quality Assurance Cell (IQAC) is to establish a structured and forward-thinking framework that enhances both academic and administrative efficiency within the institution. This goal is achieved through a systematic approach that integrates planning, execution, and continuous improvement. By emphasizing purposeful action, sustained efforts, and academic excellence, the IQAC ensures that quality becomes an inherent part of the institution's functioning.

1. Purposeful Action: The IQAC is committed to ensuring that every improvement initiative is intentional, well-planned, and aligned with the institution's long-term vision. Instead of relying on spontaneous or reactive decisions, the IQAC follows a strategic approach rooted in thorough assessments and stakeholder engagement.

Purposeful action begins with a comprehensive evaluation of the institution's strengths, weaknesses, opportunities, and challenges. Through data collection, feedback analysis, and informed decision-making, the IQAC identifies priority areas for development. Each initiative is guided by clear objectives, measurable outcomes, and realistic timelines, fostering a culture of accountability where every step contributes meaningfully to institutional growth.

Furthermore, this approach aligns institutional processes with broader goals, such as improving student learning outcomes, fostering innovation, and ensuring compliance with national educational standards. By adopting a disciplined and strategic mindset, the IQAC ensures that enhancements are sustainable, impactful, and reflective of the institution's aspirations.

2. Sustained Action: The concept of sustained action underscores the importance of persistence and long-term commitment in driving meaningful change. While temporary solutions may address immediate concerns, the IQAC prioritizes embedding improvements into the institution's daily operations to ensure lasting impact.

Sustained action requires consistent effort, regular monitoring, and the establishment of robust feedback mechanisms. The IQAC ensures that improvements are not only implemented but also maintained through follow-up measures, periodic evaluations, and corrective actions. By preventing the recurrence of past challenges and fostering a culture of continuous enhancement, the IQAC helps the institution remain on a steady path of growth and development.

3. Enhancing Academic Excellence: At the core of the IQAC's mission is the continuous pursuit of academic excellence, encompassing teaching, learning, research, and student development. This objective is achieved through innovation, curriculum refinement, and alignment with global educational standards.

The IQAC actively works to improve teaching methodologies, ensuring they are dynamic, inclusive, and student-centered. Curriculum development remains a key focus, with efforts to keep course content relevant, industry-aligned, and responsive to emerging trends. Additionally, student success is a priority, supported by mentoring programs, academic resources, and structured support systems that foster learning and personal growth.

Research is another critical area, with the IQAC encouraging faculty and students to engage in high-quality, socially relevant research. By promoting collaboration, providing access to resources, and recognizing academic achievements, the IQAC creates an environment where inquiry and innovation thrive. Co-curricular and extracurricular activities are also integrated to complement academic programs, equipping students with essential skills and competencies for their future careers.

Ultimately, the IQAC's focus on academic excellence ensures the institution upholds the highest educational standards, enhances student satisfaction, and prepares learners to excel in their chosen fields. By fostering a culture of continuous improvement, the IQAC keeps the institution at the forefront of academic innovation and quality education.

VISION STATEMENT OF THE COLLEGE

1. Learning as a Pleasure and Right: Learning is not a task to be endured but an enriching journey to be embraced with joy and enthusiasm. Learning is a fundamental right for every individual, regardless of background or circumstance.

2. Creating a Supportive Environment: We are committed to fostering an environment that promotes academic excellence, creativity, innovation, and intellectual growth. By providing cutting-edge resources, infrastructure, and opportunities, we empower students to thrive and pursue their studies with confidence and purpose.

3. Removing Barriers to Education: To eliminate barriers to education by ensuring access to modern facilities and resources. Our goal is to create an inclusive ecosystem where every student can succeed.

4. Preparing for the Modern World: Beyond traditional academics, we aim to build a robust platform for higher learning that prepares students for the challenges and opportunities of the modern world. Through a career-oriented and comprehensive education system, we equip students with the skills, knowledge, and adaptability needed to excel in their chosen fields.

5. Holistic Development: Emphasize on holistic development, instilling strong social, moral, and ethical values in our students. True education goes beyond professional success; it shapes individuals into compassionate, responsible, and ethical members of society.

6. Personalized Nurturing and Mentorship: Students as part of our extended family and take pride in nurturing their growth and well-being. Through mentorship programs, regular interactions, and supportive teaching methodologies, we help students evolve into confident, capable, and well-rounded individuals.

7. Empowering Students to Contribute Meaningfully: The ultimate goal is to see students achieve their personal and professional aspirations while contributing positively to society. To create a legacy of learners who are intellectually vibrant, morally upright, and socially conscious.

MISSION STATEMENT OF THE COLLEGE

1. Innovative and Inclusive Education: To provide higher education across diverse fields using innovative and effective teaching methods, ensuring an enriching and accessible learning experience for all students.

2. Promoting Equality in Education: To offer traditional and professional education that is inclusive and open to students from all backgrounds, irrespective of caste, gender, or socioeconomic status, fostering equal opportunities for all.

3. Empowering the Disadvantaged: To uplift academically disadvantaged and underprivileged students by equipping them with knowledge, skills, and confidence, enabling them to overcome challenges and achieve success.

4. Holistic Value Development: To nurture social, moral, aesthetic, and ethical values in students, shaping them into responsible, compassionate, and well-rounded individuals who contribute positively to society.

5. Preparing for a Dynamic World: To equip students with essential professional and technical skills, enabling them to navigate the challenges of a rapidly changing world with courage, determination, and resilience.

6. Building Character and Integrity: To develop strong character and integrity through education, preparing students to lead meaningful and purposeful lives that benefit both themselves and society.

7. Creating Responsible Citizens: To produce competent and responsible citizens who can make significant contributions to the betterment of humanity through their chosen careers and professions.

FUNCTIONS OF IQAC:

1. Development and Implementation of Quality Benchmarks: Establish and implement quality benchmarks, standards, and parameters for various academic, administrative, and support activities within the institution to ensure continuous improvement.

2. Dissemination of Quality Standards: Promote awareness and understanding of quality standards in higher education among faculty, staff, students, and other stakeholders through effective communication and training.

3. **Organization of Workshops and Seminars:** Conduct workshops, seminars, training programs, and interactive sessions aimed at enhancing quality consciousness and fostering the formation of quality circles within the institution.
4. **Promotion of Best Practices:** Encourage the adoption of best practices in teaching, learning, evaluation, and administrative processes to enhance institutional effectiveness.
5. **Documentation of Quality Initiatives:** Maintain comprehensive records and documentation of all programs, activities, and initiatives undertaken by the institution to improve quality and achieve excellence.
6. **Preparation of Annual Quality Assurance Report (AQAR):** Compile and submit the Annual Quality Assurance Report (AQAR) to NAAC or other relevant bodies, based on established quality parameters and performance indicators.
7. **Conducting Orientation Programs:** Organize orientation and capacity-building programs for faculty, administrative staff, and other stakeholders to align them with quality-driven goals and practices.
8. **Faculty Development Programs:** Facilitate continuous professional development of faculty members through training, research opportunities, and exposure to modern pedagogical tools and techniques.
9. **Student-Centric Initiatives:** Promote student-centric activities such as mentoring, counseling, skill development programs, and extracurricular initiatives to enhance overall student growth and satisfaction.
10. **Feedback Mechanism Management:** Design, implement, and manage a robust feedback mechanism to collect inputs from students, faculty, parents, and other stakeholders for assessing and improving institutional performance.
11. **Monitoring and Evaluation:** Regularly monitor, evaluate, and review the effectiveness of academic and administrative processes to identify areas for improvement and implement corrective measures.
12. **Infrastructure and Resource Enhancement:** Ensure optimal utilization of available resources and advocate for the development of infrastructure that supports quality education and research.

13. **Research and Innovation Promotion:** Encourage a culture of research, innovation, and interdisciplinary collaboration among faculty and students to contribute to the advancement of knowledge and societal development.

14. **Ethical and Value-Based Education:** Foster the integration of ethical, moral, and value-based education into the curriculum and extracurricular activities to develop socially responsible individuals.

15. **Collaboration with External Agencies:** Collaborate with external agencies, industry partners, and other institutions to benchmark quality practices and explore opportunities for mutual growth and development.

16. **Community Engagement and Social Responsibility:** Strengthen ties with the local community and promote social responsibility initiatives that align with the institution's mission and vision.

IQAC COMPOSITION OF THE COLLEGE

1. Prof. (Dr.) Nandan Bhattacharyya. (Principal & Chairperson IQAC)
2. Dr. Mrityunjy Das (Member)
3. Dr. Kanak Kanti Bera (Member)
4. Dr. Sugata Sen (Member)
5. Dr. Tuhin Kar (Member)
6. Dr. Soumitra Mondal (Member)
7. Dr. Sirsendu Maity (Member)
8. Dr. Manojit Debnath (Member)
9. Mr. Indrajit Pal (Student member)
10. Mr. Nanda Mishra (Chairman, Panskura Municipality, Alumni, Member)
11. Dr. Kazi Abdul Halim (Joint Coordinator)
12. Dr. Nirmalya Das (Coordinator IQAC)

PARTICIPATION IN NIRF AND AISHE

Every year, the college actively participates in two major national initiatives designed to assess and enhance the quality of higher education in India: the National Institutional Ranking Framework (NIRF) and the All India Survey on Higher Education (AISHE).

National Institutional Ranking Framework (NIRF): Established by the Ministry of Education, Government of India, the NIRF provides a comprehensive framework for ranking educational institutions across the country. It assesses institutions based on key parameters such as teaching quality, learning outcomes, research contributions, outreach initiatives, and institutional perception. The college takes immense pride in its involvement in this initiative, diligently compiling and submitting data that showcase its academic excellence, modern infrastructure, distinguished faculty, student achievements, and overall institutional performance. Through its participation, the college benchmarks itself against leading institutions, reinforcing its commitment to transparency, continuous improvement, and accountability.

All India Survey on Higher Education (AISHE): The college also plays an active role in the All India Survey on Higher Education (AISHE), an annual initiative by the Ministry of Education that gathers comprehensive data on the higher education landscape in India. By contributing accurate and reliable information on critical aspects such as student enrollment, faculty strength, infrastructure, and financial resources, the college supports efforts to build a well-informed perspective on the nation's higher education system. This data serves as a valuable resource for policymakers, helping them devise strategies to enhance accessibility, ensure equity, and improve overall educational quality.

PREPARATION OF THE ACADEMIC CALENDAR

The Internal Quality Assurance Cell (IQAC) played a pivotal role in the timely preparation and release of the academic calendar for the 2021-2022 academic year. This process involved close collaboration with key stakeholders, including the Office of the Controller of Examinations, the Teachers' Council, and various Academic Departments of the college.

Under the leadership of the Principal, the IQAC, along with the Member Secretary of the Academic Council, efficiently coordinated the collection, compilation, and organization of inputs



सत्यमेव जयते
Government of India

Ministry of Education

Department of Higher Education

Statistics Division

New Delhi

Certificate



Reference No. C-19060-2020

This is to certify that Nandan Bhattacharyya of Panskura Banamali College has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2020-2021.

(Shri R. Rajesh)

Deputy Director General

Dated: 25/02/2022

from these stakeholders. Their combined efforts ensured that all critical aspects of the academic year were meticulously planned and seamlessly incorporated into the calendar.

The final academic calendar was thoughtfully structured to maintain a balance between curricular, co-curricular, and extracurricular activities, while also accommodating holidays and proposed examination schedules. This comprehensive approach facilitated the smooth execution of institutional activities and reinforced the college's commitment to providing a well-organized and student-centered academic environment. Through this initiative, the institution reaffirmed its dedication to high standards of planning and an enriching educational experience for its students.

LIST OF VALUE ADDED COURSES

Name of the value-added courses (with 30 or more contact hours) offered	Course Code	Duration of course (in hours)	Number of students enrolled during the year	Number of students who completed the course during the year
Art and Craft in Work Education and Vocational Education	BEDVAC 001	30	95	92
MS Word and Power Point	BEDVAC 002	30	97	95
Mental Hygiene and Career Counselling	BEDVAC 003	30	93	92
Basic Concept Of Heart Rate Variability	PESSVAC 001	30	94	92
Statistics In Physical Education Using SPSS	PESSVAC 002	30	96	94
Data Analysis Using Excel	PESSVAC 003	30	98	95
Insight of Basketball	PESSVAC 004	30	92	91
Practical Approach Of Yoga For Inner Peace	PESSVAC 005	30	93	92
Advance Coaching In Kho-Kho	PESSVAC 006	30	96	95
Green Computing	BCAVAC 001	30	94	92
Internet and Webpage design	BCAVAC 002	30	93	91
Performing Art (Drama)	BENVAC 001	30	96	94
Art & Craft	BENVAC 002	30	94	93
Laboratory-Based Bio-fertilizer Production	BITHVAC 001	30	93	92
Mushroom Farming	BITHVAC 002	30	92	91
Laboratory-Based Eco-friendly Bio-plastic Production and its implementation	BITHVAC 003	30	95	92
Vermicomposting production	BITHVAC 004	30	96	93
Bioprospecting from Cyanobacteria and Algae	BOTVAC 001	30	97	94



Phone: 03228-252222

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ACADEMIC CALENDAR FOR ODD SEMESTER 2020

UG 5th Semester 2020

ODD SEMESTER	
SEMESTER - V	
Commencement of online classes	18 th August 2020
Period of academic activity	18 th August 2022 to 15 th March 2021
4 th SEMESTER EXAMINATION 2020 including Study Leave	<i>1st November 2020 – 1st December 2020</i>
Internal Assessment	2 nd February – 6 th February 2021
End Semester Examination (ESE)	20 th March, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination

UG 3rd Semester 2020

ODD SEMESTER	
SEMESTER - III	
Commencement of online classes	18 th August 2020
Period of academic activity	18 th August 2022 to 15 th March 2021
2 nd SEMESTER EXAMINATION 2020 including Study Leave	<i>1st November 2020 – 1st December 2020</i>
Internal Assessment	2 nd February – 6 th February 2021
End Semester Examination (ESE)	20 th March, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination

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Academic Council
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UG 1st Semester 2020

ODD SEMESTER	
SEMESTER - I	
Commencement of online classes	22 nd December 2020
Period of academic activity	22 nd December 2020 to 20 th March 2021
Internal Assessment	5 th March – 10 th March 2021
End Semester Examination (ESE)	25 th March, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination

PG 3rd Semester 2020

ODD SEMESTER	
SEMESTER - III	
Commencement of online classes	18 th August 2020
Period of academic activity	18 th August 2022 to 15 th March 2021
2 nd SEMESTER EXAMINATION 2020 including Study Leave	<i>1st November 2020 – 1st December 2020</i>
Internal Assessment	2 nd February – 6 th February 2021
End Semester Examination (ESE)	20 th March, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination

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PG 1st Semester 2020

ODD SEMESTER SEMESTER - I	
Commencement of online classes	7 th January 2021
Period of academic activity	7 th January 2021 to 15 th March 2021
Internal Assessment	5 th March – 10 th March 2021
End Semester Examination (ESE)	20 th March, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination

*****All Training Courses as per NCTE Calendar**

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ACADEMIC CALENDAR FOR EVEN SEMESTER 2021

UG 6th Semester 2021

EVEN SEMESTER	
SEMESTER - VI	
Commencement of online classes	9 th April 2021
Period of academic activity	9 th April 2021 to 20 th July 2021
Internal Assessment	21 st June – 8 th July 2021
End Semester Examination (ESE)	25 th July, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination

UG 4th Semester 2021

EVEN SEMESTER	
SEMESTER - IV	
Commencement of online classes	20 th April 2021
Period of academic activity	20 th April 2021 to 20 th July 2021
Internal Assessment	21 st June – 8 th July 2021
End Semester Examination (ESE)	25 th July, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination

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UG 2nd Semester 2021

EVEN SEMESTER SEMESTER - II	
Commencement of online classes	20 th April 2021
Period of academic activity	20 th April 2021 to 25 th July 2021
Internal Assessment	21 st June – 8 th July 2021
End Semester Examination (ESE)	1 st August, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination

PG 4th Semester 2021

EVEN SEMESTER SEMESTER - IV	
Commencement of online classes	12 th April 2021
Period of academic activity	12 th April 2021 to 20 th July 2021
Internal Assessment	21 st June – 8 th July 2021
End Semester Examination (ESE)	25 th July, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination


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PG 2nd Semester 2021

EVEN SEMESTER	
SEMESTER - II	
Commencement of online classes	12 th April 2021
Period of academic activity	12 th April 2021 to 20 th July 2021
Internal Assessment	21 st June – 8 th July 2021
End Semester Examination (ESE)	25 th July, 2021 onwards (Tentative)
Publication of Result	Tentatively within 45 days after the last date of examination

***All Training Courses as per NCTE Calendar

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Green Audit & Green Practices	BOTVAC 002	30	92	91
Apiculture & Melisopalinology	BOTVAC 003	30	93	92
Android Programming	COSVAC 001	30	95	93
Multimedia and Applications	COSVAC 002	30	97	95
Basic Concept of Educational Research	EDUVAC 001	30	94	92
Philosophy For The Development Of Values and Humanity	EDUVAC 002	30	95	91
Style In Literature	ENGVAC 001	30	94	93
Adaptation Studies	ENGVAC 002	30	96	93
Writing Formal English	ENGVAC 004	30	93	91
Photography To Cinematography: An Introduction	ENGVAC 005	30	97	95
Creative Writing	ENGVAC 006	30	92	91
Global Positioning System	GEOVAC 001	30	95	93
Soil and Agriculture Management	GEOVAC 002	30	94	92
Entrepreneurship & Rural Development	GEOVAC 003	30	98	94
Tourism Management	GEOVAC 004	30	92	90
Coastal Vulnerability Management	GEOVAC 005	30	94	92
Popular Culture in Colonial India	HISVAC 001	30	95	92
Communicative Skill in History	HISVAC 002	30	97	95
Museum Studies	HISVAC 003	30	94	92
Introduction to LATEX	MATHVAC 001	30	93	91
Introduction to MATLAB	MATHVAC 002	30	95	93
Astronomy for Everyone	MATHVAC 003	30	96	93
Biostatistics	MCBHVAC 001	30	98	96
Food-Microbes interactions	MCBHVAC 002	30	94	93
Applied Microbiology	MCBHVAC 003	30	95	94
Oral Communication	PHILVAC 001	30	93	92
Awareness on Covid-19 and infectious diseases	PHYVAC001	30	88	85
PYTHON Computing for all	PHSVAC 001	30	97	95
Understanding Data with Python	PHSVAC 002	30	94	93
Indian Constitution	POLSVAC 001	30	93	91
Philosophy Of Mahatma Gandhi: Contemporary Issues	POLSVAC 002	30	95	93
Advantages of Sanskrit literature (learning and writing)	SANVAC 001	30	97	94
Santali Language and Grammar	SANTVAC 001	30	30	28
Animal Biotechnology	ZOOVAC 001	30	95	92
Indian Constitution and Human Rights	POLSVAC 003	30	82	78

FINANCIAL SUPPORT FOR ORGANIZING EVENTS TO ENHANCE INSTITUTIONAL QUALITY

The Internal Quality Assurance Cell (IQAC) actively advocates for and facilitates financial support to various stakeholders within the institution to organize events that contribute to institutional quality enhancement. Recognizing the significance of academic and skill development initiatives, the IQAC formally submits proposals to the Principal for fund allocation to Academic Departments and institutional committees to conduct impactful programs.

Academic Departments receive financial assistance to organize seminars, workshops, conferences, and training programs. These events are strategically designed to promote intellectual growth, encourage research, and foster meaningful knowledge exchange among faculty members, students, and external experts. By supporting such initiatives, the college strengthens engagement with contemporary academic and industry trends, enriching the teaching-learning experience and broadening educational opportunities.

Beyond Academic Departments, institutional committees also receive financial resources to conduct skill development programs and innovative projects. This inclusive approach to financial support reflects the IQAC's commitment to fostering a culture of continuous improvement, innovation, and excellence. Through these efforts, the IQAC empowers stakeholders to contribute meaningfully to institutional growth and the holistic development of its members.

FACULTY SELF-APPRAISAL AND PERFORMANCE EVALUATION

The Internal Quality Assurance Cell (IQAC) has implemented a structured self-appraisal process to foster professional growth and accountability among faculty members. This initiative encourages faculty to critically assess their teaching methodologies, research contributions, administrative roles, and overall performance over a specified period. Faculty members meticulously prepare self-appraisal reports, which are then submitted for management review. This reflective practice serves as a valuable tool for recognizing strengths, celebrating achievements, and identifying areas for further development.

Beyond self-appraisal, the IQAC plays a crucial role in overseeing the Performance-Based Appraisal System (PBAS). This system evaluates faculty performance based on well-defined criteria, including teaching effectiveness, research output, publications, academic participation, and contributions to institutional growth. The IQAC ensures a thorough review of PBAS reports,

which significantly influence decisions related to promotions and career advancements. By upholding principles of transparency, fairness, and compliance with institutional guidelines, the IQAC ensures an objective appraisal process aligned with the institution's mission to excel in teaching, research, and overall development.

Through these initiatives, the IQAC reinforces its dedication to fostering a culture of continuous improvement, accountability, and professional excellence, ultimately enhancing the institution's academic and administrative standards.

FEEDBACK MECHANISM

Curriculum Feedback: A structured feedback mechanism has been implemented to evaluate the effectiveness and relevance of the curriculum. Feedback on the syllabus is systematically collected from a diverse group of stakeholders, including students, faculty, alumni, and employers, ensuring a comprehensive assessment of its applicability and alignment with industry and academic standards. This input is carefully compiled and forwarded to the respective academic departments for thorough analysis.

Academic departments conduct detailed evaluations and prepare comprehensive reports, which are then submitted to the Internal Quality Assurance Cell (IQAC). The IQAC plays a key role in facilitating the communication of these findings to the relevant Boards of Studies (BoS) for further review. Under the guidance of the IQAC, academic departments and the Boards of Studies engage in meaningful discussions to assess the recommendations provided by stakeholders. These discussions lead to proposed curriculum modifications, which are rigorously reviewed, refined, and finalized by the Board of Studies and the Academic Council. The resulting changes ensure that the curriculum remains dynamic, industry-aligned, and conducive to the institution's academic objectives.

Teaching Feedback: To enhance the quality of the teaching-learning process, feedback on instructional methods is systematically collected from students through an online platform integrated into the college's ERP system. This data is analyzed to identify strengths and areas for improvement. The insights gained are shared with faculty members, encouraging reflection on their teaching practices and fostering continuous professional development.

Beyond this structured process, the Principal actively engages in one-on-one discussions with faculty members, providing personalized feedback and constructive guidance for improvement. These interactions help address specific areas of concern and facilitate targeted professional growth. Based on the feedback received, corrective measures and enhancement initiatives are implemented to ensure that the teaching-learning process remains student-centric, dynamic, and aligned with the highest educational standards. This comprehensive approach fosters a culture of excellence and continuous improvement within the institution.

IQAC REPORT ON PROFESSIONAL DEVELOPMENT PROGRAMMES

The following faculty members have completed the Faculty Development Programme (FDP) / Refreshers Course (RC) and other courses organized by HRDC of various universities / institutions from July, 2020 to June, 2021. The details of the programs, along with the names of the faculty members and their respective durations, are provided below:

Name of Teacher who attended the programme	Title of the programme	Duration (from - to) (DD-MM-YYYY)	
		From	To
Mr. Tuhin Singha	Guru-Dakshata (FIP) : UGC Sponsored Faculty Induction Programme	9/7/2020	10/6/2020
Mrs. Sukla Roy	Refresher Course	7/20/2020	8/1/2020
Mrs. Sukla Roy	Faculty Development Programme	7/2/2020	7/17/2020
Smt. Mandira Paul	Orientation	12/3/2020	1/1/2021
Dr. Jayanta Kumar Mandal	Refresher Programme	9/28/2020	10/11/2020
Dr. Moumita Paira	Refresher Course	3/13/2021	3/27/2021
Mr. Abhinab Ghosh	Faculty Induction Programme	1/27/2021	3/2/2021
Mr. Abhinab Ghosh	Multi Disciplinary Refresher Course on Cognitive Economics	1/6/2021	1/19/2021
Mr. Sk Md Habibullah	Faculty Induction Programme	1/6/2021	11/19/2020
Mr. Parnab Ghosh	Faculty Induction Programme	12/9/2020	1/8/2021
Mrs. Nabanita Dutta	Faculty Induction Programme	2/5/2021	3/6/2021
Mr. Samir Dolui	Faculty Induction Programme	1/27/2021	2/25/2021
Mr. Santu Guchhait	21days Online GIS Training Program using QGIS	7/13/2020	8/2/2020
Mr. Santu Guchhait	One-week QGIS Training Program International level for the Development of GIS Platform	8/12/2020	8/18/2020
Mr. Santu Guchhait	R statistical software in Research	9/30/2020	10/4/2020
Mr. Santu Guchhait	Making Cities Resilient: Developing and implementing local disaster risk reduction strategy to respond to COVID-19 and to better prepare for the future	9/8/2020	10/6/2020
Mr. Santu Guchhait	Short term course on Basics of Time Series Econometrics	8/17/2020	8/20/2020

Mr. Santu Guchhait	3-day FDP cum training program on Climate change and disaster risk reduction	8/18/2020	8/20/2020
Mr. Santu Guchhait	Contemporary Methodologies and Tools in Research	10/3/2020	10/9/2020
Dr. Paromita Roy	Refresher Course	1/7/2021	1/21/2020
Dr. Amitava Ghosal	Refresher Course In Science And Technology Of Yoga And Meditation, Indian Values And Ethics	7/17/2020	7/30/2020
Dr. Bappa Sona Kar	Refresher Course	1/7/2021	1/20/2021
Dr. Bappa Sona Kar	Faculty Development Programme	7/2/2020	7/17/2020
Dr. Sandip Kumar Giri	Refresher Course	1/7/2021	1/20/2021
Dr. Sandip Kumar Giri	Faculty Development Programme	7/2/2020	7/17/2020
Mrs. Namita saha	Faculty Induction Programme	12/3/2020	1/1/2021
Mrs. Sudipta Barai	Orientation Programme	2/16/2021	3/8/2021
Dr. Gumda Mardi	Refresher Course	2/18/2021	3/3/2021

RESEARCH AND INNOVATION

Panskura Banamali College (Autonomous) is committed to fostering academic excellence and innovation through its dedicated Research Center, affiliated with Vidyasagar University. Focused primarily on the field of Science, this center serves as a dynamic hub for scholarly exploration and advanced research. Currently, 19 research scholars are actively engaged in rigorous studies, significantly contributing to the intellectual growth and reputation of the institution.

The impact and quality of research conducted at the center are evident through an impressive array of publications by faculty members and scholars. Their work is regularly featured in esteemed, peer-reviewed journals indexed in globally recognized databases such as Scopus, Web of Science, and UGC CARE. Additionally, faculty and researchers contribute to book chapters published by prestigious publishers, including Taylor & Francis, Springer, and other renowned academic platforms. These accomplishments reflect the depth, relevance, and global standards of the college's research, underscoring its unwavering commitment to academic excellence.

To support its research community, the college provides state-of-the-art facilities and resources. Scholars have access to a well-stocked central library housing an extensive collection of books, journals, and digital resources, ensuring a robust academic foundation. Furthermore, modern laboratories offer an advanced environment for conducting scientific experiments and analyses, equipping researchers with the necessary tools to pursue their work effectively.

During the academic year 2020-2021, the college achieved significant milestones in research, with 27 high-impact research papers and 19 book chapters published in prestigious journals. These publications, known for their strong impact factors, highlight the institution's dedication to producing groundbreaking research that contributes to global knowledge systems.

Through these efforts, Panskura Banamali College continues to solidify its position as a center of academic excellence and innovation, striving to advance knowledge and address real-world challenges through cutting-edge research.

Research Funds Sanctioned and Received From Various Agencies

Nature of the Project	Duration (Days)	Name of the funding agency	Total grant sanctioned (Lakhs)
Major Projects	730	WB-DST	6.16
Major Projects	1095	CSIR	10.67
Major Projects	1095	WB-DSTBT	10 0
Major Projects	1095	SERB	7.0
Major Projects	365	Fold scope, DBT-GOI	8

Publication in Journals

Sl	Title of the Paper	Name of Author	Title of journal	Year of publication	Department
1	Biological and photocatalytic activity of silver nanoparticle synthesized from ehretia laevis roxb. Leaves extract	Bhattacharyya et al.	Nano Biomedicine and Engineering	2020	Biotechnology
2	Green synthesis, characterization, antimicrobial and cytotoxic effect of silver nanoparticles using arabinoxylan isolated from Kalmegh	Bhattacharyya et al.	International Journal of Biological Macromolecules	2020	Biotechnology

3	Structural Characterization of an Exopolysaccharide Isolated from <i>Enterococcus faecalis</i> , and Study on its Antioxidant Activity, and Cytotoxicity Against HeLa Cells	Bhattacharyya et al.	Current Microbiology	2020	Biotechnology
4	Bio efficacy, and photocatalytic activity of the silver nanoparticles synthesized from <i>Cryptolepis buchanani</i> leaf extract	Bhattacharyya et al.	Nanomed Res J	2020	Biotechnology
5	Structure and biological properties of exopolysaccharide isolated from <i>Citrobacter freundii</i>	Bhattacharyya et al.	International Journal of Biological Macromolecules	2020	Biotechnology
6	Piperidine based effective chemosensor for Zn(II) with the formation of binuclear Zn complex having specific Al(III) detection ability in aqueous medium and live cell images	Bhattacharyya et al.	Journal of Photochemistry and Photobiology A: Chemistry	2021	Biotechnology
7	Synthesis, structure elucidation and DFT study of a new thiazole-pyridine anchored NNN donor and it's cobalt(II) complex: In-vitro studies of their DNA binding property, anticancer activity against U937 cancer cells and molecular docking study	Dr. Pulakesh Bera	Journal of Molecular Structure	2021	Chemistry
8	Anticancer activity, DNA binding and docking study of M(II)-complexes (M=Zn, Cu and Ni) derived from a new pyrazine-thiazole ligand: Synthesis, structure and DFT	Dr. Pulakesh Bera	New Journal of Chemistry	2021	Chemistry
9	Heterometallic CuII–LnIII complexes: Single molecule magnets and magnetic refrigerants	Dr. Prasenjit Bag	Coordination Chemistry review	2021	Chemistry

10	Picoline based fluorescence turn-on chemosensor for zinc (II) ion recognition, cell imaging and cytotoxicity study: Synthesis, crystal structure, spectroscopy and DFT	Dr. Pulakesh Bera	Polyhedron	2020	Chemistry
11	Instigating the In Vitro Anticancer Activity of New Pyridine-Thiazole-Based Co(III), Mn(II), and Ni(II) Complexes: Synthesis, Structure, DFT, Docking, and MD Simulation Studies	Dr. Pulakesh Bera	Journal of Chemical Information and Modeling	2022	Chemistry
12	Green synthesis, characterization, antimicrobial and cytotoxic effect of silver nanoparticles using arabinoxylan isolated from Kalmegh	Dr. Soumitra Mondal	International Journal of Biological Macromolecules	2020	Chemistry
13	Structural Characterization of an Exopolysaccharide Isolated from Enterococcus faecalis, and Study on its Antioxidant Activity, and Cytotoxicity Against HeLa Cells	Dr. Soumitra Mondal	Current Microbiology	2020	Chemistry
14	Traveler as a risk factor for migration of COVID-19 in India	Dr. Soumitra Mondal	J. Transp. Health	2020	Chemistry
15	Structural features and antioxidant activity of a new galactoglucan from edible mushroom Pleurotus djamor	Dr. Soumitra Mondal	International Journal of Biological Macromolecules	2021	Chemistry
16	Structure and biological properties of exopolysaccharide isolated from Citrobacter freundii	Dr. Soumitra Mondal	International Journal of Biological Macromolecules	2021	Chemistry
17	Biologically active polysaccharide from edible mushrooms: A review	Dr. Soumitra Mondal	International Journal of Biological Macromolecules	2021	Chemistry

18	Sunlight assisted solvent free synthesis of tert-butylperesters	Dr. Raju Singha	Synthetic communication	2020	Chemistry
19	Effects of La-Substitution on Structural and Dielectric Properties of BiFeO ₃ -BaTiO ₃ Ceramics Compounds	Dr. Bappa Sona Kar	International Journal of Science and Research (IJSR)	2020	Physics
20	Effects of Sm-Substitution on Dielectric and Multiferroic Properties of BiFeO ₃ -BaTiO ₃ Ceramics	Dr. Bappa Sona Kar	Integrated Ferroelectrics	2021	Physics
21	Delineation of rural-urban fringe: a case study of Uluberia municipality, Haora district, India	Mr. Santu Guchhait	Forum Geographic	2020	Geography
22	Delineation of Rural-Urban Fringe of Indian Town: A Case Study of Uluberia Municipality, Haora	Mr. Subhrangsu Das	Forum Geographic	2020	Geography
23	Bio efficacy, and photocatalytic activity of the silver nanoparticles synthesized from Cryptolepis buchanani leaf extract	Mr. Anutosh Patra	Nanomed Res J	2020	Physiology
24	Structural features and antioxidant activity of a new galactoglucan from edible mushroom Pleurotus djamor	Mr. Anutosh Patra	International Journal of Biological Macromolecules	2021	Physiology
25	Bacho Ka Kalidasa Sahitye Me Sandarbha	Subrata Kumar Manna	IJCRT	2020	Sanskrit
26	content to Develop the love of Malati and Madhava	Subrata Kumar Manna	IJTSRD	2020	Sanskrit
27	Monosex Tilapia (O. niloticus) production under tank culture: An alternative for rural development in Purba Medinipur district, India	Dr. Mrinmay Ghorai	Uttarpradesh J. of Zoology	2021	Zoology

Publication in Book Chapter

Sl. No.	Name of the Teacher	Title of the Book published	Title of the Chapter published	Year and month of publication	ISBN of the Book/Conference Proceeding	Name of the Publisher
1	Prof. Nandan Bhattacharyya	New Journal of Chemistry	Developing novel zinc(II) and copper(II) Schiff base complexes: Combined experimental and theoretical investigation on their DNA/protein binding efficacy and anticancer activity	14.09.2020	1369-9261	Royal Society of chemistry
2	Mr. Tuhin Singha	Trends of Development of Physical Education and Education In 21st Century	Yoga And Healthy Living	25.07.2020	978-93-89234-62-6	N. B. PUBLICATIONS, Ghaziabad-201102 (India)
3	Mrs. Nabanita Dutta	Education at the Cross Roads- New Thoughts of the Changing Era	Pandemic and its Consequences on Students Mental Health.	10.12.2020	978-93-90459-79-7	Authors Press.
4	Mr. Parnab Ghosh	Teacher Education in the Arena of Globalisation	Narir kshamatayan o bikashe tathyo o jogajog projukti	2020	978-81-942808-1-1	Bangojan Prakashan
5	Mr. Sk Md Habibullah	IJSER	Study of Soft Computing Techniques For Some NP - Hard Problems	01.10.2020	2229-5518 (2020).	
6	Dr. Sk Nurul Hasan	Pure and applied chemistry	Terpenoids, nano-entities and molecular self-assembly	28.04.2020	1365-3075	De Gruyter
7	Mrs.Sukla Roy	Futures of Education: Learning to Become	Mobile Learning: Rethinking Media Education in the Pandemic Situation and Thereafter	12.08.2020	978-93-82112-74-7	Netaji Subhas Open University
8	Mrs.Sukla Roy	Women Education and Empowerment Indian Perspective	Sri Aurobindo's Vision on Education and Feminism	28.06.2021	978-1-956102-95-6	INSC International Publishers

9	Parnab Ghosh	Inclusive Education:Need of the Hour	Towards the Barrier-free Inclusive Education - A Non-Exclusionary Approach Concerning the Persons with Disabilities	2021	978-1-365-89800-6	Redshine Publication
10	Parnab Ghosh	Pandit Ishwar Chandra Vidyasagar on his Bicentenary Various Aspects	Vidyasagar: The Iconic Personality of Bengal Renaissance	2021	978-93-89224-80-1	Kunal Books
11	Mrs. Nabanita Dutta	Multidisciplinary International Research Journal- Women's Empowerment Issues and Challenges.	A Study on Social Problems of Women in Indian Scenario	20.04.2021	2278-9308, 2455-1627	Aadhar Publication
12	Mrs. Nabanita Dutta	Philosophy of Education	Impact of Idealism on Education	06.01.2021	978-93-91002-64-0	ABS Books
13	Mrs. Nabanita Dutta	Educational Administration, Management and Leadership	Leadership Styles	15.04.2021	978-93-91002-40-4	ABS BOOKS
14	Dr. Gour Dolui	Geostatistics and Geospatial Technologies for Groundwater Resources in India	Multi-criteria Decision-Making Approach Using Remote Sensing and GIS for Assessment of Groundwater Resources	27.02.2021	978-3-030-62397-5	Springer Nature Switzerland AG
15	Dr. Rishna Dalui	Indian Journal of Environmental Protection	A case-control study on pulmonary parameters and pulmonary diseases among the bus drivers.	2021	0253-7141	Kalpana Corporation
16	Dr. Apu Das	Agrantha Kabita Bitashok Bhattacharya (1st Vol.)	Nirmita mukher dike	2020		Desh
17	Dr. Paromita Roy	Prapti O Pratyasha	Samaj , Sahitya O Sangskritir Nana Prasanga	2020-2021		
18	Dr. Paromita Roy	Values And Ethics in the 21st Century				Divya Prakashani
19	Dr. Jitesh Chandra Roy	Prekkhit Uttorbongo	Rajbanshi Itihas O Lokosanskriti	May ,2021	978-93-90717-96-5	

Details of Functional MoUs with Institutions

Sl. No.	Name of the institution/ industry/ corporate house	Month and Year of signing MoU	Duration	List of activities under each MOU	Number of students/teachers who benefitted from MoUs
1	Kharagpur College O.T Road, Inda, Kharagpur, Dist: Paschim Medinipur, West Bengal, PIN 721305	17.01.2018	05 (Five) Years	Development in Academic field in both UG & PG education	600 / 20
2	Mahishadal Raj College Mahishadal, Purba Medinipur PIN - 721628	02.08.2018	05 (Five) Years	Development in Academic field etc.	250 / 15
3	Sevayatan Sikshan Mahavidyalaya, Jhargram	12.02.2019	03 (Three) Years	Institutional Visit & Developmental Issues	120 / 15
4	Vidyasagar Teachers' Training College, Medinipur	18.02.2019	03 (Three) Years	Institutional Visit & Developmental Issues	100 / 20
5	WEBCON Consulting (India) Limited	28.06.2019	03 (Three) Years	Industry- Academia Linkage	280 / 12
6	Shree Agrasen Mahavidyalaya Post – Dalkhola, Dist. – Uttar Dinajpur, West Bengal	17.07.2019	05 (Five) Years	Institutional Visit & Developmental Issues	300/18
7	Panskura Banamali College Employees' Co- operative Credit Society Ltd.	18.07.2019	05 (Five) Years	Promote and enhance Industry- Academia linkage	200/14
8	Sri Sri University, Bidyadharpur, Cuttsck	19.09.2019	05 (Five) Years	Yoga & Allied Health Science	200/16
9	Govt. General Degree College, Kharagpur-II, Madpur, Paschim Medinipur	25.09.2019	05 (Five) Years	Development in Academic field	250/15
10	Sri Sri Institute of Agriculatural Sciences & Technology Trust	01.12.2019	03 (Three) Years	Sustainable Practices for Better Future	400 / 15

Plan of Action for the Next Academic Year

1. The College has kept up its trend of hosting seminars and Conferences of note by conducting webinars and online workshops despite the pandemic. It has decided that after the pandemic will be declared over, it will go back to hosting offline seminars and conferences.
2. Furthermore, since proposals have been submitted and adopted for add-on courses and skill-enhancement courses, departments will start conducting these courses online quickly.
3. The College is also arranging for an incubation hub toward Innovative ecosystems.
4. The College administration has also decided that significant days such as World Environment Day, International Yoga Day, Republic Day, Independence Day, and so on, must be continued, though they be hosted online only.
5. It has also taken up the challenge of initiatives for conducting academic and green audits.



Principal
Panskura Banamali College
(AUTONOMOUS)



Coordinator, IQAC

