



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	IPS ACADEMY
Name of the head of the Institution	Dr. Premlata Gupta
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0731-4014579
Mobile no.	9425054515
Registered Email	naac@ipsacademy.org
Alternate Email	principal@ipsacademy.org
Address	Rajendra nagar Indore
City/Town	INDORE
State/UT	Madhya Pradesh
Pincode	452012
2. Institutional Status	

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Jitendra Tripathi
Phone no/Alternate Phone no.	07314014584
Mobile no.	9669840470
Registered Email	hod.physics@ipsacademy.org
Alternate Email	jttripathi00@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.ipsacademy.org/naac
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.ipsacademy.org/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.73	2014	05-May-2014	04-May-2019
2	B++	3.00	2019	15-Nov-2019	14-Nov-2024

6. Date of Establishment of IQAC	02-Apr-2013
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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
Conduct of Student Satisfactory Survey	30-Jun-2019 5	204
Conduct of Feedback on	30-May-2019	200

curriculum by different stakeholders (Teachers, students, Alumni and Employers)	5	
Expert Lecture on Basics of Algebra by Dr. K. N. Rajeshwari, Professor and head, School of Mathematics, Devi Ahilya Vishwavidyalaya, Indore, M.P.	30-Apr-2018 1	38
Expert Lecture on Operation Research by Dr. Anupam Jain, Professor, Govt. College, Sanwer	14-Sep-2018 1	35
Seminar on Basics of Algebra and Analysis with Applications	01-Dec-2018 1	42
Expert Lecture by Prof. V. S. Patil, Professor, Govt. P. G. College Nandurbar Maharashtra on role of organic molecule in synthesis	29-May-2019 1	72
Expert Lecture on Organic Compounds their application on Human Society by Prof. Vinod Kumar Tiwari, Scientist, BHU, Varanasi (U.P.)	04-Oct-2018 1	65
Conduct of Academic Administrative Audit (AAA)	01-Jul-2018 30	14
Expert Lecture by Prof. G. S. Holkar, Retd. Prof. Energy its Conservation	29-May-2019 1	70
Prof. Babulal Saraf Memorial One week all India laboratory workshop in Experimental Physics for PG Teachers and PG students	11-Mar-2019 6	45
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
PHYSICS	RESEARCH	UGC-DAE-CSR, INDORE	2016 1460	959520
CHEMISTRY	RESEARCH	MPCST, BHOPAL	2018	430000

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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

1)Teaching Learning: • Technical Up gradation: Introduction of ERP for faculty members, Orientation lecture on Use of Digital diary was organized on 18/7/18, 19/8/19. • Faculty Knowledge sharing Programme: 1. Lecture, followed by the interactive session was organized on Incorporating life skills and value skills in teaching methodology , sessions were taken by Dr. M.L. Sharma on 19/9/2018. 2. International Lecture workshop on New horizons in life sciences benefits from research in human health and IPR by Dr. Razia Sultana on 31/08/18. 2)Curricular Aspects: • Mapping and Preparation of Course Objectives, Programme Objectives, Outcomes of each Course in the respective Departments. • 4 new Certificate Courses were introduced. 3)Research: The College applied for research centre under the preview of research cell 4)Administration and Management: Strategic plan of the Institution was prepared.Report was also submitted to the management for further infrastructural up gradation of the institution. 5)Student Development: As per the feedback of employers, IQAC invited eminent persons from the industry to train students on Aptitude skills. 1. A seminar on Soft Skills Development was organized under the Induction Ceremony of Department dated 29/09/2018. Dr. Hema Mishra, Senior Professor, Cloth Market Girls College, Indore was the guest speaker of the event. Seminar was participated by the approx 250 students. 2. A seminar on the theme "Development of Entrepreneurship Skills" on 29/11/2018. Mr. Nilesh Trivedi, Director MSME addressed the students and shared his experience with them. Approx100 students took part in the seminar. 3. 11 days' workshop on Project "Dronacharya" for skills and Personality Development from 4th Dec. to 15thDec. 2018. The whole program was conducted by Ms. Veena Chhiber, Head, Training and Development, IPSA. Around 60 students attended the workshop.

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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	Achievements/Outcomes
To Conduct of Parents teachers	Meeting PTM was successfully organized
Scheduled and planned Admission Process	Transparent admission was made as per guidelines of Higher Education and availability of seats per course.
Academic Calendar was prepared	Strict adherence to academic calendar prepared by Department of Higher Education ensured.
Induction programme for new students.	All the departments and support services successfully conducted the induction programme for new admitted students
Meetings of IQAC were scheduled.	All meetings were conducted as per Schedule
Field/Industrial Visit for training and Interaction for internship of students	College ensures student participation in terms of Seminar, field visit, Internship etc. Field visits as part of Internship was arranged and student visited there.
Adopting newer and innovative methods of teaching - learning.	Practice of E- Learning was adopted. Student Seminar, Group discussions have been made integral part of teaching learning process. Increase in practical based teaching- learning methods. Internship, Field visits is practiced by every department. Good number of Student development programmes, Workshop, Lectures and Trainings were organized.
To organize number of Seminar/ Workshops/ Conferences/ Guest Lectures.	For our quality enhancement various Seminars/ Workshops/ Conferences/ Guest Lectures organized by different departments under the umbrella of IQAC.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
BOG	02-Dec-2021

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

Yes

AISHE:	
Year of Submission	2019
Date of Submission	20-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Yes College has ERP system , It Offers facilities of, Student database management, Scholar registration management, Enrollment and Examination process system, Fee Submission, Account management, Library management. The objective of the ERP is to provide Digital Empowerment to the Students. It provides all the services Online to the Students and Institute, such as Admission and fees submission, Enrollment Process and Examination Process System, Account Management, Fee Collection Management on anytime from anywhere. On ONE CLICK all the required data is made available.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

Being affiliated college the curriculum and the syllabi prescribed by the Devi Ahilya University is strictly followed. In addition to this, the Academy has strategized ways and means to strengthen the teaching learning process as follows: Appointment of the faculty members is made as per UGC guidelines and the norms followed by the affiliating University. Academic activities are planned in advanced well before the commencement of the academic session. A calendar in alignment with the department of higher education, Government of Madhya Pradesh, affiliating university and institutional activities is prepared accordingly. Workload among the faculty members is assigned department wise for theory and laboratory work by the respective HOD's. The time table is given to the concerned teachers well in advance and also displayed on the departmental notices boards for the information to the students. Every teacher is required to prepare respective teaching plan along with course outcome, program outcome and learning outcome at the beginning of the semester and to ensure that appropriate learning-teaching material (resources) are available for the students. All faculty members are required to maintain a course file which comprises of the lesson plan, notes and related questions. Performance detail of the students is maintained by each department. Through formal and informal feedbacks, course delivery and syllabus completion is monitored and periodically reviewed by the respective head of the departments. Periodic internal class room tests with question papers designed to project the learning outcome of the students. Serious evaluation, discussion of evaluated answer

sheets with the individual students is the regular exercise. The students at UG and PG level in their last semester are required to complete a project work which is compulsory part of their academic curriculum. Expert lectures, seminars, industrial visits (interactive) and training program, especially, for personality development and communication skills are one of the important features in our extracurricular delivery program. Remedial classes are held for weaker students. Faculties are encouraged to take up research work and present the same in national and international conferences and in peer reviewed research journals for which the management provides financial and other supports. The faculties are also encouraged to attend refresher courses, FDP, workshops etc. The IQAC plays an important role in the accomplishment of curricular, co-curricular and extracurricular activities of all the departments. Biometric system is installed to check out the arrival and departure of academic and non-academic staff of the academy along with monitoring of lectures and laboratories from time to time. Outcome based approach is being adopted for the effective delivery of the curriculum. For the efficient teaching-learning process, the college is equipped with state of art central library. In addition to this, each department has its own library. Record of central and departmental libraries is well maintained and is furnished to IQAC for documentation. To access the library easily, all the students as well as faculties are provided with unique user ID and passwords.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Certificate in JAVA	-	01/01/2019	120	Employability	JAVA
Certificate in Web Designing Development	-	01/01/2019	120	Employability	Web Designing
Chemical and pharmaceutical Industry based job oriented training program on analytical instrument	-	06/04/2019	15	Employability	To develop Practical knowledge and Instrument handling proficiency
Certificate course in fashion Designing (CFD)	-	01/08/2013	180	Employability and Entrepreneurship	To develop skills of Fashion designer
Skills Development course on Experimental Kit designing	-	07/01/2019	30	Employability and Entrepreneurship	To develop skills for designing electronic instrument

(PHY-EKD-01)

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BCom	Plain	08/08/2018
MCom	Plain	02/01/2019
MSc	Chemistry	10/08/2018
MSc	Physics	01/01/2019
MSc	Mathematics	20/08/2018

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

	Certificate	Diploma Course
Number of Students	67	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Computerized Accounting Software (1CAS-014C)	06/09/2018	19
Office Automation (2OA-014C)	11/12/2018	19
Basics of Foreign Trade (1BFT-017C)	04/09/2018	10
Skills Development course on Experimental Kit designing (PHY-EKD-01)	07/01/2019	29
Chemical and pharmaceutical Industry based job oriented training program on analytical instrument	06/05/2019	8
Basic Concept and Applications of Chemistry Mathematics	18/09/2019	67
Basics of Vedic Mathematics Its Applications	22/09/2018	10
Training Program on Microsoft Office (MS WORD, MS EXCEL,MS POWER	06/03/2019	20

POINT)		
Certification in JAVA CS JAVA 101	01/01/2019	20
Certification in Web Design Development CS WDD 102	01/01/2019	18
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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
BCA	Computer Application	22
BCom	Plain	10
MSc	Mathematics	11
MSc	Chemistry	21
MSc	Pharmaceutical Chemistry	4
MSc	Biotechnology	16
MSc	Microbiology	6
BSc	Physics, Maths, CS/Electronics	21
MSc	Physics	21
BA	Tourism	38
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Nil

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

Feedback Obtained
<p>Analysis of Feed Back Feedback from Students, Parents and Alumni about the Curriculum, the Institution and the Teachers is used constructively by the college with a view to enhance the teaching-learning experience. The institution uses the feedback obtained from the students as a tool for continued learning. Feedback from Students: The feedback on curriculum is analyzed and suggestions are communicated to the Members of the Board of Studies for their consideration. The Institutional feedback is studied and suitable recommendations are made after discussions at the staff meetings. These recommendations are forwarded to the Principal. The college also collects feedback on the teachers from the students. The inputs received from the students are conveyed to the teacher by the respective Heads of Department. There is encouragement for positive feedback. The shortcomings are addressed enabling the teacher to work upon those areas for improvement. Most of the</p>

students stated that the curriculum is helpful for their employability as well as for higher studies. The certificate and Value added courses offered by the college further enriched their knowledge and helped in developing their personality. The responses given by students showed that maximum students Infrastructural facilities and conducive environment in the institution. Feedback on Teachers by the students The analysis shows that maximum students are happy with the teacher's Punctuality and Time Management. The communication skills of the teachers have been rated as very good by maximum of the students. Responses regarding classroom interaction and personal rapport with the teachers were also positive. The Curricular, Co-Curricular and Extra-Curricular activities conducted by the teachers have been rated very positively Feedback from Employer on Curriculum and Institution Feedback from employer is always valuable for us as it provides the basis for further enrichment in curriculum aspects and overall performance of students. We have received feedback from our major recruiters like Sun Pharma Ltd, Lupin pharmaceutical ltd, TCS, Wipro, LT, HSBC Oriental Bank of Commerce, Byjus, Acadecraft, Quantica, Peridian Microlabs and many more. As per the employer curriculum needs to be updated to increase more interaction between Industry-Academia. As far as student skills regarding communication, knowledge, personality development they are satisfied but can be improved further. The suggestions made by employer are put before the Principal/Management for further consideration. The Principal and the Management takes cognizance of the suggestions made by the employer to further improve the quality of education. Feedback from Alumni on Curriculum and Institution The Alumni Association conducts a number of programs for the Alumni as well as the currently enrolled students of the college. During the Meeting of the Alumni, feedback is taken. The Alumni is a vibrant body which has shown its willingness to contribute to the growth and development of the college through programs, sharing their experience and expertise. They also support the institution through scholarships. The feedback on curriculum by alumni was highly positive. Maximum Alumni rated the institution as excellent with respect to the environment and infrastructural facilities.

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
BSc	Physics, Mathematics, Computer Science	120	63	63
BSc	Physics, Mathematics, Electronics	30	30	30
MSc	Physics	30	26	26
BSc	Biotechnology, Chemistry, Computer science	120	80	73
BSc	Biotechnology, Chemistry, Life science	60	80	59

BCA	Computer Application	120	89	89
BCom	Plain	120	127	106
BCom	Hons.	120	112	91
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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
2018	2157	247	36	4	52

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	Number of smart classrooms	E-resources and techniques used
92	92	371	7	14	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)

Students Mentoring system is being introduced at IPS Academy from the session 2019-20 for the postgraduate students. Following are its objectives: 1. Facilitate positive interaction, supervision, and mentorship of students bridging the gap between the teachers and students 2. To motivate students to excel in both academic and non-academic fields. 3. Provide a reliable and comprehensive support system to make them help to excel in their future life. Responsibilities of a Mentor: 1. Meet the mentees at least twice a month. 2. Regularly monitor, counsel, guide, and motivate the students in all academic and non-academic matters. 3. Contact parents/guardians if required. 4. Proper guidance in their career development 5. Maintain a detailed progressive record of the student (format attached). 6. Inform the HOD about the student's progress. Responsibilities of a HOD: 1. Meeting with all the students along with their mentors once in a month. 2. Take administrative action if required 3. Inform the progress to the head of the Institute. Working of Mentoring system: Under each faculty, three to four students are allotted for mentorship. Mentoring system enables departments to identify the academic needs of the students. Twice a month mentors meet with the mentees and have a positive interaction with them. Mentors keep track of their student's academic progress and remedial measures are taken by providing extra coaching for those who do not fare well in the class/test and internal assessment examination. Along with that mentors encouraged the mentee to participate both in curricular and extra-curricular activities. Personal guidance and counseling on both academic and non-academic matters are provided to the students through mentoring. Students are encouraged to participate in various competitive exams like NET, GATE, etc., and advised to pursue research work. For the smooth conduction of the mentor system regularly we prepare student mentoring reports, parental communication reports. Also, students are given assignments on a monthly basis and assessment is done regularly. We ask for students suggestions also and consider that also into account for the benefit of the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2404	92	1 : 26

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
92	92	Nil	13	43

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	Mrs. Pragya Goyal	Assistant Professor	1 st prize for best paper presentation at International conference on "Recent Advances and Innovation in Business Management and Science" organized by AIMSR, Indore in association with research Foundation of India, held at AIMSR, Indore from 7-8 June
2019	Dr. Deepali Shukla	Assistant Professor	Women Scientist A Award, Department of Science and Technology (DST), India
2019	Dr. Anjali Jain Deotale	Assistant Professor	I st prize for best paper presentation at International Conference on "Recent Advances in Interdisciplinary Trends in Engineering Applications" during 14-15 Feb 2019 at IES, IPS Academy, Indore
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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
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				examination
MSc	C042	Semester	01/06/2019	01/08/2019
MSc	C051	Semester	01/05/2019	01/08/2019
MSc	C050	Semester	01/06/2019	25/09/2019
MSc	C054	Semester	28/06/2019	31/08/2019
MSc	C044	Semester	03/06/2019	02/09/2019
BSc	C260	Yearly	02/04/2019	05/05/2019
BSc	C065	Yearly	02/04/2019	05/05/2019
BSc	C144	Yearly	02/04/2019	05/05/2019
BSc	C137	Yearly	02/04/2019	05/05/2019
MSc	C053	Semester	03/12/2019	02/09/2019

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

Evaluation of the students is an integral part of the teaching-learning process. The evaluation system at the institutional level is in line with that of the university system. For the past few years, the University has introduced several major evaluation reforms such as: At both the levels, UG and PG, examination answer sheets of the students are coded before being sent for evaluation and then decoded for the entry marks into the system. The entire process is computerized. Central evaluation system for both UG and PG examination is adopted by the university. After results are declared, there is a provision that those students who are dissatisfied with their results may apply to the University for re-totalling or seeing the answer sheets as the case may be. University informs the results whatsoever. This is a major reform at the University level. University has switched over to dual system of examination. For UG level (except BCA) course, there has been annual system of examination, while at PG level, semester system is still in practice. For the PG students continuous assessment is done through two class room tests which are conducted with an interval of about 5 to 6 weeks, assignments, presentations for which 15 marks are allocated and sent to the university online. End of the semester examination is conducted by the University for the remaining 85 Marks. In addition to theory tests, continuous assessment is done for the laboratory work in practical subjects. Final year students of UG and PG courses are assigned a project work of 100 marks which is mandatory and external evaluation of these projects is arranged by the University. The projects given to the students are subject specific and relevant to the academic/professional growth of the students. At PG level, some students are assigned research work in the ongoing research projects in the department. Research work while sent for publication includes the name of the concerned students. Regularity of the students in the class is one of the most important factors in their continuous assessment. Although it does not carry any marks formally yet it has major influence while they are assessed for their laboratory work and for other purposes. Students and their parents/guardians are continuously kept informed about the attendance, performance tests and other vital activities of their wards through sms.

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

An academic calendar in accordance with the M.P. Higher Education, Bhopal and affiliating University is planned at the commencement of the session and is uploaded on the college website. All the departments comply with the said calendar and have to submit the annual report with the documentary evidence. We

adopt the following procedure: At the initiation of the session subjects are allotted to every faculty as per their expertise. Department wise internal evaluation scheme is decided in the departmental meeting of faculties and HOD. Then each faculty prepares the lesson plan and internal evaluation schedule of the allotted subject and submit it to the HOD. The HOD then assembles them all together and prepares the final schedule of the activities of the department. This academic calendar is then forwarded to the IQAC. Then IQAC complies all the individual academic calendar and a comprehensive calendar of the Institute is prepared and is uploaded on the college website. Due to exam schedule of the affiliating University, some events have to be rescheduled. Then students are informed via notices, announcements in the class or what's app messages.

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://www.ipsacademy.org/naac>

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
C065	BSc	Biotechnol ogy, Comp. Sc., Chemistry	70	66	94.30%
C137	BSc	Physics, Mathmatics, Computer Science	51	51	100.00%
C144	BSc	Physics, Mathmatics, Electronics	27	27	100.00%
C260	BSc	Life science, Bio technology, Chemistry	49	44	89.80%
C042	MSc	Biotechnol ogy	16	16	100.00%
C050	MSc	Mathematics	12	11	91.66%
C051	MSc	Microbiology	6	6	100.00%
c054	MSc	Physics	26	21	80.76%
C044	MSc	chemistry	32	32	100.00%
C053	MSc	Pharmaceut ical chemistry	3	3	100.00%

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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://www.ipsacademy.org/naac>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1460	UGC-DAE-CSR, Indore	922560	246000
Minor Projects	730	MPCST, Bhopal	430000	240000
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Workshop of Machine Embroidery	Fashion Technology	28/08/2018
Workshop of Personal Grooming	Fashion Technology	31/08/2018
Workshop of Saari Drapping	Fashion Technology	08/09/2018
Workshop of Jewellery Making (Molded Paper Quelling and Waste Material)	Fashion Technology	07/10/2018
Workshop on Mix Media Art	Fashion Technology	25/07/2019
"Koha and library Automation" workshop	Library and information science	12/10/2018
Basics of Algebra Analysis with Applications	Mathematics	01/12/2018
Two Days workshop on Web Designing	Department of Computer	27/12/2018
Three Days workshop on Tchno-solve.	Department of Computer	05/04/2018
Two Days workshop on JAVA.	Department of Computer	23/04/2018
One Day workshop on Computer Graphics Multimedia.	Department of Computer	20/09/2018
One Day workshop on Meanstake Development.	Department of Computer	13/12/2018
Two Days workshop on Android.	Department of Computer	24/10/2019

Professor Babulal Saraf memorial all India one week laboratory workshop on experimental Physics for PG teachers and PG students	Physics	16/03/2019
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3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

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

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Mathematics	6	Nill
International	Department of Computer	4	Nill
National	Commerce	5	Nill
International	Commerce	2	Nill
National	Humanities	7	Nill
International	Humanities	3	Nill
International	Chemistry	1	Nill
National	Chemistry	2	Nill
International	Dept of library science	2	Nill
International	Physics	6	Nill
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Commerce	2

Mathematics	6
Computer	5
Biotechnology	2
Library science	5
Physics	8
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Strong Ground? and Excited? State Charge Transfer in C ₃ ? Symmetric Truxene? Derived Phenothiazine? Tetracyanobutadiene and Expanded Conjugates	Dr. Rekha Sharma	Angewandte Chemie International edition	2019	Nil	IIT Indore	7
Strategy toward tuning emission of star-shaped tetraphenylene-substituted truxenes for sky-blue and greenish-white organic light-emitting diodes	Dr. Rekha Sharma	Journal of Physical Chemistry C	2018	1	IIT Indore	8
An efficient synthesis, characterization and biological activity of novel	Dr. Premlata Gupta, Dr. Vijendra Singh Solanki Mrs. Ruchi Shrivastav	Journal Of The Indian Chemical Society	2018	Nil	IPS Academy, Indore, M.P., India	Nil

Schiff bases of 2 aryl-1H benzo[d]imidazole-4-carbohydrazide derivatives	a					
A Review on in vitro and in vivo Bioremediation on Potential of Environmental and Probiotic Species of Bacillus and other Probiotic Microorganisms for Two Heavy Metals, Cadmium and Nickel	Mrs. Pragya Goyal	Biosciences Biotechnology Research Asia	2019	3	IPS Academy, Indore, M.P., India	1
Influence of annealing on the structural and magnetic properties of Fe thin film sandwiched between Au and Si	Dr. Jitendra Tripathi	Vacuum	2018	6	IPS Academy, Indore, M.P., India	Nil
Optical Behavior of Coumarin Dye in PVA and PMMA film matrices,	Dr. Jitendra Tripathi	Vacuum	2018	12	IPS Academy, Indore, M.P., India	Nil
Investigation of Magnetic and structural properties	Dr. Jitendra Tripathi	Physics B: Condensed matter	2018	3	IPS Academy, Indore	3

of Au capped Iron thin film						
The ameliorative effects if selected herbal extracts on glucose levels in albino mice induced with mancozeb	Dr. Razia Siltana	International Journal of Pharma and Bio Sciences	2019	1	IPS Academy, Indore, M.P., India	Nil
Analysis and Comparative Study of Various Performance Measures of M/G/I and M/G/S Queueing Models	Dr. Pradeep K Joshi	Journal of Computer and Mathematical Sciences	2019	Nil	IPS Academy, Indore, M.P., India	Nil
A Mathematical Model on Stochastic Behavior of a Single Unit Repairable System with Random Failure	Dr. Pradeep K Joshi	Journal of Current Science	2019	Nil	IPS Academy, Indore, M.P., India	Nil
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A Mathematical Model on Stochastic Behavior of a Single Unit	Dr. Pradeep K Joshi	Journal of Current Science	2019	Nil	Nil	IPS Academy, Indore, M.P., India

Repairable System with Random Failure						
Analysis and Comparative Study of Various Performance Measures of M/G/I and M/G/S Queueing Models	Dr. Pradeep K Joshi	Journal of Computer and Mathematical Sciences	2019	Nil	Nil	IPS Academy, Indore, M.P., India
The ameliorative effects of selected herbal extracts on glucose levels in albino mice induced with mancozeb	Dr. Razia Sultana	International Journal of Pharma and Bio Sciences	2019	Nil	1	IPS Academy, Indore, M.P., India
Investigation of Magnetic and structural properties of Au capped Iron thin film	Dr. Jitendra Tripathi	Physica B: Condensed matter	2019	Nil	3	IPS Academy, Indore, M.P., India
Optical Behavior of Coumarin Dye in PVA and PMMA film matrices,	Dr. Jitendra Tripathi	Vacuum	2018	Nil	Nil	IPS Academy, Indore, M.P., India
Influence of annealing on the structural and magnetic properties	Dr. Jitendra Tripathi	Vacuum	2018	Nil	Nil	IPS Academy, Indore, M.P., India

of Fe thin film sandwiched between Au and Si						
A Review on in vitro and in vivo Bioremediation on Potential of Environmental and Probiotic Species of Bacillus and other Probiotic Microorganisms for Two Heavy Metals, Cadmium and Nickel	Mrs. Pragya Goyal	Biosciences Biotechnology Research Asia	2019	2	Nil	IPS Academy, Indore, M.P., India
An efficient synthesis, characterization and biological activity of novel Schiff bases of 2-aryl-1H-benzimidazole-4-carbohydrazide derivatives	Dr. Premlata Gupta, Dr. Vijendra Singh Solanki Mrs. Ruchi Shrivastava	Journal Of The Indian Chemical Society	2018	Nil	Nil	IPS Academy, Indore, M.P., India
Strategy toward tuning emission of star-shaped tetraphenylethene-substituted truxenes for sky-blue and greenish-white organic light-	Dr. Rekha Sharma	Journal of Physical Chemistry C	2018	Nil	1	IIT Indore

emitting diodes						
Strong Ground? and Excited? State Charge Transfer in C3? Symmetric Truxene? Derived Phenothiazine? Tetracyanobutadine and Expanded Conjugates	Dr. Rekha Sharma	Angewandte Chemie International edition	2019	Nil	Nil	IIT Indore
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nil	26	Nil	26
Presented papers	15	21	Nil	1
Resource persons	Nil	10	Nil	2
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation	Vijay Raktika, Indore	4	20
Sambavana Diwas and Komi Ekta	NSS	6	104
Sanitary Napkin Distribution and awareness Program	G-7 Company, NSS and ICSR	12	100
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government

Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Social Service	Vijay Raktika, Indore	Donate Blood	4	20
Voting awareness	Indore Administration, NCC Indore GP HQ and ICSR IPS Academy, Indore	Run for Vote	75	400
National Integration	NSS, IPS Academy, Indore	Sambavana Diwas and Komi Ekta	6	104
Gender issue	ICSR, IPS Academy, Indore	Play on Beti Bachao	2	30
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Collaborative research with Manipal University Jaipur and UGC-DAE-CSR, Indore	Dr. Jitendra Tripathi	UGC-DAE-CSR, Indore	1460
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Education Visit	Visual Learning	Exhibition SAYAJI, Indore	19/02/2019	19/02/2019	30
Educational Tour and Industrial Visit	Visual Learning	Himachal Traditional Textile Weaving on handloom, Manali	10/03/2019	18/03/2019	19
Field trip	Industrial visit	RRCAT Indore	03/01/2019	03/01/2019	34
Internship /Project Work	Experimental Learning	National skill training Institute,	03/01/2019	15/03/2019	15

		Mumbai 91-22 -24053560			
Research	Experimental Learning	Raja Ramanna Center for Advance Technology, Indus Synchrotron Utilization Division, Scientist Name: Mr. Shambhunath Jha contact No. 07312442508	05/06/2018	05/06/2018	1
Field trip	Industry Visit	INDORE SAHAKARI DUGDH SANGH DAIRY PLANT	15/10/2018	15/10/2018	51
Field trip	Industry Visit	Concor India Ltd.	22/10/2018	22/10/2018	44
Internship /Project Work	Experimental Learning	Lupin ltd. Bhopal 07292417300	15/04/2019	15/05/2019	3
Internship /Project Work	Experimental Learning	ITL Labs. 11-27922766	04/02/2019	05/02/2019	02
Internship /Project Work	Experimental Learning	Sybiotech pharma 91-22 -24053560	15/04/2019	15/05/2019	04
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Sixth Sense Technologies	15/07/2018	Network Training and online examination	62
AISECT	15/07/2018	Network Training and online examination	62
Curewin Pharmaceuticals Pvt. Ltd, Indore	01/01/2019	Workshop, symposia, training, conferences	Nil
Oriental University , Indore	12/03/2019	Instrumental training	1
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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
1020.83	1020.83

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
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	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 partially)	Version	Year of automation
Soul softwre from INFLIBNET	Fully	2	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36922	11380595	1284	739677	38206	12120272
Reference Books	6966	1544780	301	150500	7267	1695280
Journals	67	163570	5	16200	72	179770
CD & Video	1985	Nil	Nil	Nil	1985	Nil
Library Automation	1	126000	Nil	Nil	1	126000

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
DR. RAZIA SULTANA	PHYSIOLOGY AND DEVELOPMENTAL BIOLOGY	SWAYAM	Nil

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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	306	8	1	1	1	8	10	100	0
Added	0	0	0	0	0	0	0	0	0
Total	306	8	1	1	1	8	10	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

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

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1954.51	1954.51	962.05	962.05

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)

1. Faculty members shall be regular and punctual in attendance. In case of absence due to unforeseen circumstances, they shall inform the Admin Coordinators at the earliest with a request to make alternate arrangements for the handling of their class hours. 2. Absences shall, as a rule, be with the prior approval of leave by the Director. The faculty member seeking leave or absence shall state in the leave application how his/her class hours during the leave period shall be handled. 3. If a faculty member has to go out of the Institute Premises during working hours for any reason, he or she shall leave a message with the admin office, by making an entry in the register, as to when he/she is expected to be back in the Institute. 4. Faculty members shall be in their uniform on all days except Saturdays. They shall always carry their ID cards with them. 5. No faculty member shall cancel his/her scheduled classes without prior approval of the Director. 6. Results of class tests shall be announced within four working days. Similarly, assignments submitted by the students shall be valued and returned to them within a week. 7. Faculty members are duty-bound to:- a. Attend all meetings called by the Director/HODs or any other authority and lectures or functions to which they have been invited b. Undertake any extra tasks that may be assigned to them by the Director/HOD's c. Function as Mentors to the students assigned to them and be helpful to any other student who may seek their help and d. To cooperate with other faculty members whenever such cooperation is solicited. 8. In all their dealings with the superiors, peers, staff members, students, or outsiders, faculty members shall be fair, dignified, and ethical. 9. As per the timetable, each faculty

has to take care of laboratories along with the students. They have to demonstrate the experiment first to the students and then students perform the experiment. Assessment of practical by each student is done weekly. 10. We have a specified computer lab which comprises 250 computers for the students. 11. Big sports ground is available for cricket, football with two international level long tennis court, swimming pool, more than horse for horse riding and table tennis court. Each class gets time to play the game they want as per the timetable. 12. In the Library, a separate register is maintained for the students and faculty attendance. Also, proper record to issue and return of books is maintained physically as well as online.

<https://www.ipsacademy.org/naac>

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	Concession in Fee	32	542715
Financial Support from Other Sources			
a) National	MP STATE Post metric scholarship scheme for SC,ST and OBC candidate	558	4442651
b)International	National Scholarship	33	330000
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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
Yoga Session	09/02/2019	20	Internal Faculty
Remedial Classes	15/11/2018	13	Internal Faculty
Communication Skills for BCA students	21/01/2019	30	Internal Faculty of Department of Training Development
Body Language for science students	14/09/2018	24	External Faculty of Department of Training Development
ABC of personality for science students	31/08/2018	11	Internal Faculty of Department of Training Development
Introduction to PD for science students	24/08/2018	23	Internal Faculty of Department of Training Development
Self Introduction	31/08/2018	15	External Faculty

for commerce students			of Department of Training Development
Goal Setting for commerce students	20/08/2018	38	External Faculty of Department of Training Development
Soft skill Development Orientation for commerce students	13/08/2018	30	Internal Faculty of Department of Training Development
Induction for commerce students	14/08/2018	60	Internal Faculty of Department of Training Development
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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 passed in the comp. exam	Number of students placed
2019	Career Counselling	Nil	1371	Nil	60
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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
3	3	30

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Tata Consultancy Services, L T ECC, Chegg, Digiversal, Rockfort IT, Wipro, Lupin, Jaro education, Omics International,	299	53	Cipla Ltd, Sun Pharma PVT Ltd, Lupin Pharmaceutical, Oxford International, Asian Paints, DPS School, Felix Generics PVT	7	7

Capgemini,
Cipla Ltd,
Skytech
Boretto
Instruments

LTD

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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	13	BCA	Computer	IPS Academy, Indore	MCA
2019	4	B.Sc (Physics, Maths, Computer Science)	Physics	IPS Academy, Indore	M.Sc.(Physics)
2019	2	B.Com	Commerce	IPS Academy, Indore	M.Com
2019	9	B.Com	Commerce	IPS Academy, Indore	MBA
2019	1	B.Sc.(Biot ech, Chemistry, Life Science)	Biotechnol ogy	IPS Academy, Indore	M.Sc. (Bio technology)
2019	6	B.Sc.(Biot ech, Chemistry, Computer Science)	Biotechnol ogy	IPS Academy, Indore	M.Sc. (Bio technology)
2019	1	B.Sc.(Biot ech, Chemistry, Life Science)	Biotechnol ogy	University of Tasmania, Australia	Master of Applied science (biological science)
2019	1	B.Sc.(Biot ech, Chemistry, Life Science)	Biotechnol ogy	La Trove university, Australia	M.Sc. Biot echnology and Bioinfor matics
2019	1	M.Sc.(Biot echnology)	Biotechnol ogy	IIT Hyderabad	Ph.D. Biomedical engineering
2019	1	M.Sc. Chemistry	Chemistry	School of Chemical Sciences, DAVV, Indore	Ph.D

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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	1
GRE	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sports Activity for Science students	Institute level	200
Annual Cultural Fest Quantum 2019 for Science students	Institute level	400
POSTER PRESENTATION, FOOD ZONE, ONE MINUTE GAME, MUSICAL CHAIR RACE, DANCE COMPETITION for BCA students	Institute level	150
Sports(CRICKET, VOLLYBALL, ATHELATICS (RACE , RELAY RACE, SHOTPUT), THROW BALL,KABADDI, TUG OF WAR,) for BCA students	Institute level	150
Sports- (Football, Cricket, vollyball, Athelatics) for commerce stream students	Institute level	200
Ullas- Cultural fest	Institute level	42
Science Quiz competition	state level	26
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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
2018	Quiz competition, 3rd prize	National	Nil	1	40521	Haripriya Bolisetty
2018	Debate competition , 2nd prize	National	Nil	1	40253	Nancy Dadhichi
2019	M.P.State	National	1	Nil	42611	Tarun Parmar

	Karate Championship 2019					
2019	Udghosh 2019 held by IIT Kanpur	National	1	Nil	50617	Kunal Choudhary
2018	Udghosh 2018 held by IIT Kanpur	National	1	Nil	44963	Jigyas Mishra
2018	State level Taekwando goldcup championship	National	1	Nil	43820	Naman Verma
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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)

As per ordinance no 1 of Devi Ahilya Vishwavidyalaya Indore, a student association is formed in the academy through student elections as per schedule and rules and regulations framed by the M.P. government. The objectives of the students union are: 1.To promote discipline and corporate, intellectual, civil and cultural life among the students. 2.To foster activities to bring out creative talent of the students 3.To promote the study and discussions of subject of national and international importance. 4.To encourage among the students awareness of the responsibilities of an individual in democratic and secular society. 5.To develop leadership qualities among the students. To achieve the above mentioned objectives the student's association undertakes the following activities: The student association motivates the students to actively participate in various events to promote academic excellence. The students are encouraged to participate in the various committees formed for the successful organization of the events. Helps various departments to formulate event-wise student organizing committee such as student sports committee etc. in each department wherein the junior as well as the senior students are appointed as members as per their strengths and forte which organizes various events at departmental level as well as institute level. The cultural activities are exclusively organized by the students under the leadership of student association and the cultural committee. The students play an important role in conceptualizing, organizing and monitoring the cultural activities. The association members feature regularly in the college cultural committee. The student association along with the sports cell plays a significant role in organizing the sports activities at college, university, state and national level. The association members are an integral part of the college sports committee. The association helps to organize social service activities and student's welfare programmes. The association members are active in NSS, NCC and CSR activities. Handle problems of students in their academics and social life with the help and support of college authorities. To fulfil the above purpose the association members play an active role in important bodies like anti ragging cell, grievance redressal cell, sexual harassment cell, IQAC and discipline committee. The council members have been instrumental in eliminating the menace of ragging from the campus. Their efforts in creating awareness, counselling and monitoring have stopped ragging completely.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

5.4.4 – Meetings/activities organized by Alumni Association :

No Data Entered/Not Applicable !!!

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institute follows a policy of decentralization and participative management. All the stakeholders - the management, directors, principals, heads, teachers, staff members, students, and others have a crucial role in the decision-making and working of the institute. The Academy for the purpose of decentralization and smooth functioning towards the mission has incorporated various bodies/cells/committees which act according to the need of the task assigned to them. Proper and regular meetings of each of these committees are conducted. Each body/cell/committee has a Convener who ensures to upkeep the records of the minutes of the meetings and the action taken report /implementations of the resolution. Some of the bodies/cells/committees are mentioned below: 1.Governing Body 2.Proctorial Board 3.Disciplinary Board 4.Anti-Ragging Board 5.Admission Committee 6.Women Grievance Cell 7.Students Grievance Cell 8.Cultural Committee 9.Sports Committee 10.Academics and Research committee 11.Library Advisory Committee 12.Manthan Editorial Board 13.Student union election Committee 14.Alumni Committee 15.Scholarship Nodal Centre 16.NSS committee 17.NCC Girls committee 18.Girls Hostel Advisory Board

The two practices of decentralization and participative management are as follows: 1. The Heads of Departments enjoy considerable administrative and academic autonomy in running their disciplinary units. All the departmental heads are a part of the governing body. All the heads have formed the Teachers Council in which all the teachers of the respective department are the members. The inputs from teachers are included for academic planning and execution. Besides, teachers are members and conveners of the various committees that are instituted for the day-to-day functioning of the college such as the proctorial board, cultural committee, sports committee, etc. Teachers are thus able to contribute in a significant way to the participatory ethos of the institution.

Hods have substantial power to organize conferences, webinars, etc. 2. The Heads of Departments have partial financial power for the smooth functioning of the institute. They have the liberty to purchase books, organize industrial tours, educational tours, purchase laboratory equipment, etc. This plays an important role in increasing the effectiveness and overall quality of the system.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	Whole process of admission of students is in online mode conducted by Madhya Pradesh Higher education department. In College level counselling, we can give admission to the student if the student has registered himself in the higher education department.
Industry Interaction / Collaboration	Department of Chemistry, Biotech and Physics have signed MoU with different industries to the benefit of the students.
Human Resource Management	The institute has well defined human resource policy through which it administers manpower planning, development and recruitment, employee's wellbeing, salary and wage administration and training and development activities. Employees are given utmost importance and their needs are recognized. The service rules for the employees are transparent. Systematic performance appraisal is carried out every year. Workload is assigned to faculty members and non-teaching staff based on their capabilities
Library, ICT and Physical Infrastructure / Instrumentation	Use of ICT and library material both in the form of text books and in digital form is encouraged. Library provides the facility of web-OPAC for the users. Students/teachers can access through Knimbus, DELNET softwares, NPTEL lecture videos which serve as a knowledge resource centre. Campus is Wi-Fi and free internet is also provided in each department for both staff and student. The academy has excellent Infrastructure with well equipped laboratories. Number of equipments in the laboratory as per the industry and curriculum requirements such as HPLC, NMR, Spin coating Unit, Foucault pendulum, Nuclear Physics Lab.
Research and Development	Financial support to the research and development activities to faculty members by management is provided. For every research publication management provide financial incentive of Rs. 3000/- for national publication and Rs. 8000/- for International publication. To attend the workshops, seminars and conferences, management provides duty

	<p>leave, TA/DA and fees for registration. For National conference financial assistance is up to maximum of Rs. 5000/- per year while for international conference it is Rs.25000/- in every three year.</p>
Examination and Evaluation	<p>We can do only internal examination assessment of the students. Final Examination evaluation is done by affiliating University.</p>
Teaching and Learning	<p>We ignite a passion for learning among our students and teachers by organizing workshops, conferences, seminars, expert lectures, debates, industrial visits, providing platform for innovative thinking through incubation centre along with regular classroom teaching and learning. For their overall development, Final semester students of PG classes undergo research projects which is mandatory in the affiliating University curriculum. If the research work performed is up to the mark then the supervisor/guide send it for publication in some of journals/reputed magazines with student's name as one of the authors.</p>
Curriculum Development	<p>Our college is affiliated to Devi Ahilya University. So, we can not change the the curriculum. Although we go for some certificate course as a Value Added Course</p>

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

E-governance area	Details
Planning and Development	<p>Planning and Development Committee of the college checks web sites of affiliating University, Director of Higher Education and UGC for various developmental schemes. Online proposals for organizing seminars, conferences, notification for Minor and Major Research Projects are circulated to concerned departments and staff members. Applications are submitted for financial assistance. Committee also circulates notifications regarding schedule of audit of statement of expenditure and accounts under these schemes. The college submits data to All India Survey on Higher Education (AISHE) initiated by Ministry of Human Resource Development, Government of India every year. State Government annually collects online data and the college submits the information to</p>

Department of Higher and Technical Education, Government of Madhya Pradesh through Management Information System. IQAC created a new and dynamic website for the college. Training was given to one representative from each department on how to upload and update information on the website.

Administration

The parent society communicates through mail in the registered domain name (<https://www.ipsacademy.org>) to the Directors, Principals, Head of the Departments, Academic and Teaching staff on relevant matters. • The college has 291 computers with internet connection. The campus has its own internet leased line provided by Infranet solutions with 24x7 unlimited access with the capacity of 100 mbps. The college campus is secure Wi-Fi enabled with speed of 54 mbps along with more than 50 routers. • The college installed Biometric Attendance System for all the staff members in the year 2010. The monthly reports generated by this system are sent to the respective Heads of Departments.

Finance and Accounts

Accounts and Finance uses updated version of In-house ERP system to maintain its books of accounts. • Online transactions are used on a regular basis. • The funds from various agencies and salary of the staff are managed through online transaction procedures

Student Admission and Support

E- Office was established in the year 2010 and uses In-house ERP software for maintaining record of students. • This office caters to the needs of students by providing them online admission, scholarship forms, bonafide certificates, transfer certificate and other documents. • The admission process of the students is governed by the Directorate of Technical Education (DTE), Madhya Pradesh. • Library uses SOUL 2.0 Software since 2007. It serves different functions like cataloguing, searching, acquisitions and maintenance of record of issue and return of books. Notes, Study Material, journals, periodicals and books are available to students in Digital Information Centre. • College has subscribed to N-List and DELNET membership and a lifelong membership of Pearson E-books in 2014. It has also subscribed to KNIMBUS

	<p>membership in 2016. The digital library has 35 computers which can be accessed by the staff as well as the students. • Student attendance is being filled online on ERP. • The present software was modified by IQAC for online feedback system and online examination and one representative from each department was trained to upload the teacher and student data in the software. An online students' feedback in the new software was conducted by some of the departments</p>
Examination	We can do only internal examination assessment of the students. Final Examination evaluation is done by affiliating University.

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
2018	Dr. Raina Jadhav	7th Int. Conf. Wallop of Globalisation in Engg, Medi, Sci, Agri-Pharma Tech Research	Nill	2880
2018	Dr. Jitendra Tripathi	DAE-SSPS-2018	Nill	14200
2018	Dr. Jaiveer Singh	NCAMP-2018	Nill	6200
2018	Ms. Naziya Hussain	MHRD	Nill	500
2018	Rituraj singh Chandrawat	MHRD	Nill	500
2018	Ms. Naziya Hussain	ICANI	Nill	2166
2018	Mrs. Kavita Choudhary	ICANI	Nill	2166
2018	Mr. Fakruddin Amjerawala	ICANI	Nill	2166
2018	Dr. Rekha sharma	Int. Conf on Global advancement in Engeeniring Science	Nill	1000
2018	Dr. Anjali Jain Deotale	NCPCM-2018	Nill	4500

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Training on synthesis of nano particles	Nil	07/03/2019	07/03/2019	25	Nil
2018	Faculty approach to students Psychological Dimension	Nil	04/05/2018	05/05/2018	2	Nil
2018	One Week Prof. Babulal Saraf memorial experimental Workshop for PG teachers and Students.	Nil	16/03/2019	21/03/2019	40	Nil

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Database and Algorithm (FDP)	5	26/12/2019	30/12/2019	5
Online Refresher Course in Chemistry for H.E Faculty	1	01/10/2018	01/03/2019	180
Faculty Development Program for Student Induction	1	09/07/2018	15/07/2018	7

"Pollution to Solution: Recent Advancement in Environmental Technology for Sustainable Development"	1	23/07/2018	27/07/2018	5
"Recent Trends n Mathematics And Its Applications In Different Engineering Fields"	2	04/09/2018	08/09/2018	5
IIT Bombayx: ET611Tx Pedagogy for effective use of ICT for school teachers	1	26/07/2018	07/09/2019	14
RGPV :under TEQIP-III "Reconnoitering the Relevance of Research in Teaching at Acropolis Technical Campus ,Indore	4	11/01/2019	12/01/2019	2
Faculty Development Programme on Agile and Devops	1	13/12/2018	13/12/2018	1
Faculty approach to Students: Psychological Dimension	3	04/05/2018	04/05/2018	1
FDP on Excelsior "Developing Competence and Communication Skills for Global Professional Excellence".	9	02/07/2018	06/07/2018	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching	Non-teaching
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Permanent	Full Time	Permanent	Full Time
92	91	30	30

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Faculty members are promoted for faculty-development programs and higher education. Financial assistance and rewards is also given to faculties for presenting papers in seminars and workshops and publishing papers in reputed journals. The institute has conducted staff development programmes for the skill up-gradation and training of the staff. Professional speakers, eminent personalities and trainers are invited to have motivation talks and sessions with the staff. Duty Leave and financial assistance for attending Seminars, Conferences and Workshops. Loan facility from IPS Credit Sahakari Sakh Sanstha on nominal interest rates. Advance to meet emergency expenditure to the staff.</p> <p>Fee concession for Children of Teaching Staff. Tie up with hospital to provide medical treatment to staff on concession. Various leaves available to teaching staff are vacation leave, casual leave, Earned Leaves, medical leave and maternity leave for the female staff. Flexi-timings provided for medical reasons. Uniforms for Teaching Staff.</p> <p>Concessional Food facility. Transport Facility at nominal rate. Medical Dispensary and Ambulance Facility Birthday Celebrations.</p>	<p>Loan facility from IPS Credit Sahakari Sakh Sanstha on nominal interest rates. Employee Provident Fund for non-teaching staff. Fee concession for Children of Non-Teaching Staff. Financial aid to educate the children of supportive staff.</p> <p>Helper's day is celebrated every year. In case of contingency requirement, the staff is provided with financial assistance. Rs. 5000/- is presented in the marriage of an employee i.e. self or his/her two children. Summer camp organized for kids of class IV employees Tie up with hospital to provide medical treatment to staff on concession.</p> <p>Concessional Food facility. Transport Facility at nominal rates. Medical Dispensary and Ambulance Facility Uniform for Transport, Security and Mess Staff.</p> <p>Concessional Accommodation for supporting staff</p>	<p>The academy is committed to provide all kinds of support to its student namely financial, capability enhancement, placement, awards and medals for outstanding performers in sports and cultural activities etc.</p> <p>In addition to the financial support from state and central governments to SC, ST and OBC students, the academy provides financial support to economically weaker students by waving a part of tuition fee and about 300 students are benefited. Scholarship to sports persons. Induction program for the newly admitted students provides them all the information about the facilities available. Farewell party to the students of UG and PG is also conducted every year. Students get subsidized food in the mess and canteen. Medical facility is also provided to all the students free of cost. As the classroom teaching starts, class coordinators are appointed for each class.</p> <p>It is their responsibility to regularly interact with the students. Various committees namely student grievance redressal committee, women's grievance cell, guidance and career counseling cell etc. have been constituted to address their problems. Students are also advised to opt for soft skill</p>

development, language lab, Psychology classes, remedial classes, yoga and meditation which are provided by the institution as value added programs, free of any charge. The teacher guardian meetings are organized to keep them aware about the academic progress. This keeps the parents/guardian complaints at minimal and develops a healthy bonding between the institution and student family. The academy can boast of the achievements of its placement cell. It brings famous and prominent companies for the campus selection of our students. In addition to conduct campus recruitment, the placement cell also runs training classes on communication, personality development and soft skill development to bring the students at desired level. Entrepreneurship for students is another area to explore by incubation centre. Excellent academic performance of the students in the university examinations and some other platforms like quiz-competition, debates and other such events bring laurel to the institution and the students as well. Sports and cultural cell motivate students for extracurricular activities at regional National level. Our students made us proud by achieving awards from IIT Roorkee, IIT Kanpur, IIT Delhi etc.

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

Financial audits to be conducted on regular basis. Institution follows dual audit system where one audit is to be done by the internally appointed auditor and the other audit is to be perform by external audit agency. Internal Audit: Senior management of the institution has appointed Chartered accountant Mr. Amit Choudhary as an internal auditor to perceive any error at the first stage and device the right control system for the same. Whatever submission are proposed by the internal auditor are to be incorporated in the accounting system of the institution. There is regular practice for periodical internal audit in the institution. Opinions and remarks made by internal auditor are taken very carefully and draws the attention of account department and management of the institution. External Audit: Institution has appointed an external auditor for further audit of the accounts, voucher and other documents. Associated external auditor is Chartered accountant Mr. Basant Jain Company (FRN NO 0051286 and membership no- 073966). Audit report of current year has been prepared and submitted by Mr. Basant Jain Company in the month of March- April. No major objections raised or discrepancy found in submitted report.

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
IAPT RC-9	75000	Prof. Babulal Saraf Memorial One week all India laboratory workshop in Experimental Physics for PG Teachers and PG students
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6.4.3 – Total corpus fund generated

50000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Basant Jain and Company	Yes	IPS Academy, Indore
Administrative	Yes	Basant Jain and Company	Yes	IPS Academy, Indore

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

1. Parent Teacher meeting organized to aware parents about college ERP. 2. Review the academic progress of the student in PTM. 3. Aware parents about free ship provided by institution and scholarship from different Government organizations.

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

1.Loan facility from IPS Credit SahakariTeaching Sakh Sansthan on nominal interest rates. 2.Advance to meet emergency expenditure to the staff. 3.Fee concession for Children of Staff. 4. Tie up with the hospitals to provide

medical treatment to staff on concession. 5. Medical Dispensary and Ambulance Facility in the campus

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

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6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – 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
2018	Expert Lecture on Organic Compounds their application on Human Society by Prof. Vinod Kumar Tiwari, Scientist, BHU, Varanasi (U.P.)	10/09/2018	04/10/2018	04/10/2018	65
2019	Prof. V. S. Patil, Professor, Govt. P. G. College Nandurbar Maharashtra	25/02/2019	18/01/2019	18/01/2019	72
2019	Prof. G. S. Holkar, Retd. Prof. Energy its Conservation	25/02/2019	29/05/2019	29/05/2019	70
2019	Prof. Babulal Saraf Memorial One week all India laboratory workshop in Experimental Physics for PG Teachers and PG	25/02/2019	11/03/2019	16/03/2019	45

	students				
2018	Seminar on Basics of Algebra and Analysis with Applications	10/09/2018	01/12/2018	01/12/2018	42
2018	Expert Lecture on Operation Research by Dr. Anupam Jain, Professor, Govt. College, Sanwer	10/09/2018	14/09/2018	14/09/2018	35
2019	Expert Lecture on Basics of Algebra by Dr. K. N. Rajeshwari, Professor and head, School of Mathematics, Devi Ahilya Vishwavidyalaya, Indore, M.P.	05/12/2018	30/04/2019	30/04/2019	38
2018	Conduct of Academic Audit (AAA)	04/01/2018	01/07/2018	01/08/2018	14
2019	Conduct of Feedback on curriculum by different stakeholders (Teachers, students, Alumni and Employers)	25/02/2019	30/05/2019	05/06/2019	200
2019	Conduct of Student Satisfactory Survey	25/02/2019	30/06/2019	05/07/2019	204
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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
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			Female	Male
Women and Nutrition	10/03/2018	10/03/2018	12	Nil
Training for Smart Girl project	08/03/2019	08/03/2019	12	Nil

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
6.47

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Any other similar facility	Yes	Nil

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
2018	1	Nil	12/12/2018	1	Donation of Clothes	Nil	100

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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)
Uniform of faculties and students	01/07/2018	Faculty members and students shall be in their uniform on all days except Saturdays. They shall always carry their ID cards with them.
Attendance of the faculty	01/07/2018	Faculty members shall be regular and punctual in attendance. In case of absence due to unforeseen circumstances, they shall inform the Admin Coordinators at the

		<p>earliest with a request to make alternate arrangements for the handling of their class hours. 7. Absences shall, as a rule, be with the prior approval of leave by the Director. The faculty member seeking leave or absence shall state in the leave application how his/her class hours during the leave period shall be handled.</p>
Attendance of the staff	01/07/2018	<p>All the staff members shall be regular and punctual in attendance. In case of absence due to unforeseen circumstances, they shall inform the respective head of the departments at the earliest with a request to make alternate arrangements for the handling of their Labs and other work assigned to them.</p>
Harmony among all faculties, staff and students	01/07/2018	<p>All the faculties, staff and students of the college should maintain harmonious relations with other faculties, staff and students. All the faculties and staff should act in a professional and congenial manner towards colleagues, irrespective of their relative position, gender or status within the institutional hierarchy.</p>
Welfare of the society	01/07/2018	<p>All the faculty members and staff shall extend their services for the welfare of the community society at large. Also, students are motivated to work for the welfare of the society. Even students are motivated to play nukkad natak, dance or other activities to highlight the ill practices in the society</p>

		and then how to eradicate this evil problems in the society.
Ragging free campus	01/07/2018	Ragging anywhere in any form or time, in the campus or outside the campus as well as in the. Hostel, is strictly prohibited by court of law and all senior students are asked to adhere to this rule. Student found involved would be rusticated from the Institute and handed over to the Court of law.
Ban of smoking, alcohol, tobacco or any type of drugs	01/07/2018	Smoking, drinking of alcohol, eating of tobacco or any type of drugs is strictly prohibited in the campus.
Political influence	01/07/2018	Students are instructed not bring any political influence in matter pertaining to their career.
Cleanliness of the campus	01/07/2018	All the faculty members, staff and students should help in keeping the campus neat and tidy. Spitting, throwing pieces of paper, etc are not allowed inside the college campus are strictly banned. In each and every building and also on each floor, five dustbins are there in order to segregate the waste.
Library rules	01/07/2018	Library rules should be obeyed implicitly. Disciplinary action will be taken against students who tamper with library books, mark on the books, deface the book, or tear pages from the books. All the students and faculty should return the books in time. The use of mobile phones is strictly prohibited in the library for all.
Use of any gadget in the class	01/07/2018	The use of cellular / mobile phones and other

wireless equipment is prohibited in the working areas of the Institute (classrooms, corridors, library, Computer Lab etc.). Violation of this rule may lead to confiscation of the instrument by the authorities and fine could also be imposed for such violation.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Green campus with plantation in 50 area
2. Installed Solar Power Plant 15 KW
3. Waste water recycling
4. Plastic free zone
5. In-house production of herbal products

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: 1.Title of the Practice: Development of Indigenous instruments and products such as detergents/soaps, tinctures, etc. in the science department. 2.Objective of the Practice: The objective is to encourage students to optimally utilize their knowledge of concepts and theories in practical usage, and design instruments and products of high quality at low cost. 3.Context: Lab instruments available in the market are very costly and it is difficult for institutions to buy them. Similarly, products like handwash, mosquito repellent, detergents and soaps, herbal products, tinctures available in the market are very costly, thus there is the need to develop cheaper quality products. 4.The Practice: Students are provided with every possible help like necessary ingredients, parts, chemicals, machinery, and requisite technical support to develop the instruments and products. These are then displayed prominently so as to create awareness about them. The electronic kits developed by the department are used in the labs of various departments. 5.Evidence of Success: Our Physics department has provided ingeniously developed instruments to premier institutions of the country. The products developed by our chemistry department have been widely reported and appreciated in public media and used in various departments on campus. 6.Problem encountered and Resources Required: Designing and making indigenous instruments is a very time-consuming and costly process and it is very difficult to establish new products in the marketplace.

Best Practice 2: 1.Title of the Practice: Environment protection and conservation of energy. 2.Objective of the Practice: The objective is to protect the environment particularly the green cover, check pollution and save and conserve scarce and costly resources. 3.The Context: As the deflation of greenery is leading to global warming and resources particularly water is becoming scarce, the institution is trying its best to promote greenery and save resources Practice: The wastewater generated from the college mess kitchen and toilets is recycled and used in the gardens and in the toilets. A plastic recycling plant has been established on the premises of the campus which produces plastic granules. Recycle plant is such that it does not cause pollution to the environment. The new buildings are so

designed that there is ample light and air leads to saving of electricity. 4. The Practice A 200 years old banyan tree located at the city's busiest Palasia junction was relocated to the college campus. Two Solar power plants of 15 KW each are installed in the campus. In the campus, there are two hostels equipped with four solar water heaters having a capacity of 1500 liters. A special arrangement has been made to increase the capacity to 4000 liters by attaching a storage tank to it. Girl hostel is equipped with the Napkin Incineration to maintain the hygienic conditions. For the clean campus, dustbins of five different colors are placed in every gallery of the campus segregating the waste into different categories such as wet dry waste which should be disposed of separately. The solid waste is properly segregated into biodegradable waste and non-biodegradable waste. The bio-degradable waste is converted into manure/compost khad by the chemical process with the help of bioculum as a catalyst in the campus itself. This manure is used in the gardens of the campus. In the chemistry lab, rainwater is collected and used for some experiments in UG lab which is free from chlorine instead of distilled water. Also, in the chemistry lab, distilled water is prepared from a solar distill plant of 2 liter capacity. 5. Evidence of Success: The ambiance of the campus itself reflects the success story. The entire college campus is lush green even in the summer season as waste recycled water and chemical-free manure (prepared from biodegradable waste). The banyan tree has reacquired its mammoth shape and form. No electricity is required for the supply of hot water in the hostel. The campus is completely clean and the waste is also segregated. Plastic granules are formed from the waste plastic recycling plant. Solar distill water plant, solar heater, and solar power plant helps to reduce the electricity bill of around Rs. 5 lakhs per month. Millions of liters of water are saved by recycling which in turn again conserves energy. Problem encountered and Resources Required: Recycling of wastewater is costly and time-consuming affair. The plastic recycling machine requires a minimum quantity of raw material for functioning which is difficult to get. Resources required are: Ozonizer, solar power plant, solar water heaters, solar distill water plant, compost tank, plastic recycling plant, napkin incineration, wastewater treatment plant. File Description D

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

<https://www.ipsacademy.org/naac>

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

Value-based education based on the curriculum of the affiliating university well satisfies our vision, mission, and objectives. The college has completed 25 years and flourished well due to a positive attitude towards all the stakeholders and main focus on skill development, career-oriented programs, industry visit, and industry-academia interaction. To full fill this academy recruit and retain well-qualified, motivated, and hard-working faculty. Also, to persuade our vision special attention is given to the academically weak students so that they can also excel well in the future. Academy has state of art library and it provides the latest teaching gadgets and processes to promote effective teaching, learning. Round-the-clock internet connectivity is available with dedicated 100 Mbps speed. It provides holistic value-based education and inculcates entrepreneur abilities so that the students are well groomed in knowledge, skills, and values to have the ability to face the challenges of the corporate world and life. It lays special effort on students understanding of the current environmental crisis and through its various schemes like energy conservation, waste management, rainwater harvesting,

plantation drives urges them to become eco-friendly and responsible citizens. For personality development, communication skills, Presentation skills, Team Work, leadership qualities each department has included special classes in the timetable itself and make them ready to face the challenges in the industry. Academy has an Exclusive Placement cell for the placement of the students. For the overall development of the students and the number of extra curriculum activities like sports, an annual function is organized every year. To take out the writing creativity of students we publish magazine namely "Manthan" every year. While to foster artistic creativity we organize competitions like Rangoli, Mehendi, poster making, face painting, origami, nail art, etc. just to name a few of them. Safety of all the employees along with the students is the top priority, especially of girls. Thus academy has zero-tolerance policies towards ragging, gender violation, and women's security, sexual harassment, etc. and are monitored strictly by various committees formulated by the principal. The health and safety of the employees and students are the main concern for the Academy. The campus is equipped with state of art Infirmery and 24 X 7 hours available ambulance.

Provide the weblink of the institution

<https://www.ipsacademy.org/naac>

8.Future Plans of Actions for Next Academic Year

Future Plans: 1. To open new courses like B.Sc. in PCM etc. 2. To Introduce a mentoring system for UG students 3. To start research centers in the Institutions 4. To Create a research-based culture to attract aspirants in the doctoral programs. 5. Increasing the number of collaborative activities with laboratories and institutes of national repute 6. To organize international conference/webinar/seminars 7. Up-gradation and modernization of the existing infrastructure 8. Enhancement of laboratories by purchase more advanced and sophisticated instruments for research purposes 9. Arrange refresher course for faculties.