NAAC Format for Presentation of Best Practices Department: University Institute of Engineering & Technology

1. Title of the Practice This title should capture the keywords that	Eakadimik, Panjab University Chandigarh.
describe the practice.	http://uwp.puchd.ac.in
2. Duration (year of inception-year of discontinuation) What is year of inception? Is the practice still continuing? If not, what is the year of discontinuation?	Year of inception :2008 Yes, this practice still continuing
3. Objectives of the Practice What are the objectives / intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice (in about 100 words)?	 To build this application program to reduce the manual work for managing the result and attendance. To speed up and make process easy. To go with computerized system, instead of old-fashioned manual process. To provide summarized attendance report very quickly at any point of time.
4. The Context What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?	 Easy management of system managed by System Administrator to add/update/delete various data for faculty registration, student details, courses, etc. Provides secure login with proper authentication using username/password Provides the searching facilities based on various factors. Such as Result, Student, Course, Exam It tracks all the information of Attendance, Result, Course etc Shows the information and description of the Result, Student All the fields such as Result, Student, Exam are validated and does not take invalid values It generates the report on Result, Attendance, Student, Course, Exam You can easily export PDF/excel for Result, Attendance, Student, Course, Exam To increase efficiency of managing the Result, Attendance Manage the information of Result Editing, adding and updating of Records

5. The Practice Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?	is improved which results in proper resource management of Result data. 11. Integration of all records of Exam with University Result System. 12. It has better GUI for easy navigation and control flow of information This system is user friendly with better GUI for easy navigation between pages. All stakeholders including Faculty & students can easily access the system. Faculty can use the system in very secure manner to add/update the marks and attendance of students as per convenience from work place as well as from home. Students can view their results and attendance accordingly.
6. Evidence of Success Provide evidence of success such as performance against targets and benchmarks, review/results. What do these results indicate? Describe in about 200 words.	 Students and their parents can view the result and attendance of their ward and can evaluate their performance in academics. This system easily helps management to analyze student's attendance/result details as per requirement.
7. Problems Encountered and Resources Required Please identify the problems encountered and resources required to implement the practice (in about 150 words).	 Large server for computation of result data Large storage space with backup facility Internet/intranet connection 24 hours air conditioning and power backup
8. Notes (Optional) Please add any other information that may be relevant for adopting/ implementing the Best Practice in other Institutions (in about 150 words).	

<u>NAAC Format for Presentation of Best Practices</u> Department: Microbiology

1. Title of the

This title should capture the keywords that describe the practice.

Practice

1. Summer Internship Programme

The department organizes summer internship programme for the UG/PG students of University Institutes and affiliated Colleges for academic and professional skill enhancement.

2. <u>Course on Current & Advanced Topicof</u> Microbiology

The department has introduced a course in M. Sc. 3rd Semester based on advances on current thrust area of research in which students are given the advanced topics on different aspects of Microbiology. Students present the topic in seminar and exhaustive discussion is carried out on the topic. This enriches the students with the current knowledge of upcoming scientific research. It also helps the students in selecting the topic of research for Ph.D and also helps them in developing deducive Reasoning ability, and analytical mind.

3. Industrial Training Programme

The Department sends the students of M.Sc. 3rd semester for industrial training for a month or six weeks during summer (June-July/August) to develop among them the professional zeal, industrial work culture, time management skills and independent research capability.

4. Routine Organization of 'Swachhta Abhiyan'

Department under its 'Swachhta Abhiyan' organizes once in a week, cleaning program in which all the faculty and student participates and clean their respective rooms, classes, laboratories and common areas of the department.

5. Routine Organization of 'Outreach programmes'

Department under its 'Outreach programmes' regularly conduct/organizes a programme in which different faculty members go to nearby schools, colonies etc

and educate them on various social aspect Water including personal hygiene, conservation, education of children etc. 6. Organization of Cultural & Sports events and Celebration of Festivals Department organizes and celebrate various festivals, cultural programs, sports events, quiz competitions, etc to sensitize the student toward sensitize the importance of these programs in their life. Programme no. 1 Since 2003 2. **Duration** Programme no. 2 It has been a part of MSc. inception-year of (year of discontinuation) Curriculum. What is year of inception? Is the practice still Programme no. 3 It has been a part of MSc. continuing? If not, what is the year of Curriculum. discontinuation? Programme no. 4 Since 2017 Programme no. 5 Since 2016 Programme no. 6 Since Department came into existence (1964) Programme no. 1: To develop academic and 3. **Objectives** professional skills among students of Panjab of the Practice What are the objectives / intended outcomes of University Institutes and affiliated Colleges. this "best practice" and what are the underlying principles or concepts of this practice (in about Programme no. 2: This enriches the students with 100 words)? the current knowledge of upcoming scientific research. It also helps the students in selecting the topic of research for Ph.D and also helps them in developing deducive Reasoning ability, and analytical mind. Programme no. 3: To develop among students the professional zeal, industrial work culture, time management skills and independent research capability. Programme no. 4: To create awareness among students towards personal hygiene and cleanliness of our surroundings. Programme no. 5: To educate various stakeholders on various social aspect including personal hygiene, Water conservation, education of children etc. Programme no. 6 to sensitize the student toward sensitize the importance of these programs in their

life.

The main challenging issues that needed to be

The Context

What were the contextual features or challenging

4.

issues that needed to be addressed in designing and implementing this practice (in about 150 words)?	addressed in designing and implementing this practice was to update, upgrade our students with these programs as by practicing these in life will ultimately leads to the overall personality development of students including social and professional life, secondly, it will lead to development of practical knowledge of students, thirdly, these practices will also establish the Panjab University as top and idle institution.
Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?	These practices will certainly enhance skill development of our students, improve their theoretical and practical knowledge and will also help them to become a good citizens of
	India with enriched values of our culture.
6. Evidence of Success Provide evidence of success such as performance against targets and benchmarks, review/results. What do these results indicate?	Programme no. 1: every year the department receives a large number of applications which itself proves the quality of this programme.
Describe in about 200 words.	Programme no. 2: Due to this very course every year a good number of our students clear/pass various competitive exams like UGC-CSIR NET as JRF and for Lecturership etc. Many students get enrolled themselves for pursuing Doctoral degree (PhD) and others get the teaching jobs in our department, other related departments, affiliated colleges of our university and in other state, national and international academic and research institutes. Programme no. 3 Every year a good number of
	our students get jobs in industries and they perform very well there.
	Programme no. 5-6: These programmes have benefitted respective stakeholders remarkably.
7. Problems	
Encountered and Resources Required Please identify the problems encountered and resources required to implement the practice (in about 150 words).	We face problems of funds, infrastructure, certain equipments, and manpower in running or implementing some of the above mentioned programmes.
8. Notes	Nil
(Optional) Please add any other information that may be relevant for adopting/ implementing the Best Practice in other Institutions (in about 150 words).	

NAAC Format for Presentation of Best Practices Department: Centre for Human Rights and Duties

1. Title of the Practice

This title should capture the keywords that describe the practice.

Title of the Practice - **Human Rights Advocacy Skills** and **Intervention**.

To give students hands on experience on advocacy skills, the Centre facilitates internships at government and non-government organizations, field visits and exposure trips to police stations, National and state commissions etc. To hone the advocacy skills, the students run Human Rights Volunteers Cell for Paralegal Services in collaboration with State Legal Services Authority Chandigarh conduct awareness campaigns related to imparting legal literacy. Students are also encouraged to organize Fund raisers for NGOs wherein festivals like Diwali. Basant have been celebrated on campus. Multifarious NGOs are invited which showcase their products which have been indigenously made within the NGO. The proceeds of the sale of the eco-friendly items go to the NGO which are afforded a forum to exhibit their novel articles as well as to raise sensitization towards their cause with in the society with the aid of the department's students.

2. Duration (year of inception-year of discontinuation)

What is year of inception? Is the practice still continuing? If not, what is the year of discontinuation?

Since July 2018

Diverse awareness generation and dissemination activities have been repeatedly adopted which include celebration of the International Human Rights Day, 10 December 2019 at a Government Primary School at Village Masol, District SAS Nagar sensitizing the UN theme of celebrating youth for accessibility of Education to all, by reaching out to the wireless people. This school just 10 kilometers outside the radius of Chandigarh, was characteristically isolated from the urban amenities of the city.

3. Objectives of the Practice

What are the objectives / intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice (in about 100 words)?

Public Outreach

4. The Context

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?

The very fundamental aim behind every activity undertaken is sensitization of the cause and underlying wide public outreach particularly accessing the far-out target population who confront difficulties in education and assertion of rights due to lack of information. The underlying principles observed in these all practices is the use of potted plants and planters rather than bouquets to endorse a greener city as well as purchase of eco-friendly bags and articles indigenously made highlighting manual craftsmanship and artisan labour to encourage local and regional NGOs.

5. The Practice Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?	
6. Evidence of Success Provide evidence of success such as performance against targets and benchmarks, review/results. What do these results indicate? Describe in about 200 words.	Trained over 700 people sensitized
7. Problems Encountered and Resources Required Please identify the problems encountered and resources required to implement the practice (in about 150 words).	Finances & Transportation. A major impediment to the sensitization and advocacy programs is the minimalistic financial constraints that we face. The department has to map out all the activities and the programs within the precarious budget allotted. This compromises the outcome and efficacy of the issue where the allocation of funds needs to be flexible and versatile for maximum productivity. Another logistical problem confronted where Transport becomes a practical issue on each occasion. Target populations from far-out areas thus get ignored at times which necessitate the maximum urgency and accessibility.
8. Notes (Optional) Please add any other information that may be relevant for adopting/implementing the Best Practice in other Institutions (in about 150 words).	

NAAC Format for Presentation of Best Practices Department: Community Education & Disability Studies

4. Title of the Desertion	Construction to the construction of Discounting
1. Title of the Practice	Capacity building activities for the community of Dhanas village and
This title should capture the keywords that	Remedial Teaching for Slow Learners of Government Model Senior
describe the practice. 2. Duration (year of inception-year of	Secondary School, Dhanas.
discontinuation)	January 30, 2018 – May 02, 2018
What is year of inception? Is the practice	
still continuing? If not, what is the year of	
discontinuation?	
3. Objectives of the Practice	To Orient/ Sensitive the community/ Children about different social
What are the objectives / intended	and developmental Aspects.
outcomes of this "best practice" and what	To provide remedial teaching to the students of Government Model.
are the underlying principles or concepts of	Senior Secondary School, Dhanas
this practice (in about 100 words)?	To Sensitize and to Develop Skills of Capacity Building among
	Students of Community Education & Development about Different
	facets of Community life
	To enrich knowledge towards community development among M.A.
	Students.
4. The Context	The major issues for the capacity building of the community of the
What were the contextual features or	Dhanas village that needed to be addressed in this program were health
challenging issues that needed to be	and well being, managing children's behavior at home, fire safety,
addressed in designing and implementing	controlling water borne diseases and treating worms, self- defense,
this practice (in about 150 words)?	consumer rights, and gender equality. The students also provided
	remedial lessons to slow learners of the Government Model Senior
	Secondary School, Dhanas.
5. The Practice	Capacity building activities were organized by the students of
Describe the practice and its uniqueness in	department of Community Education and Disability Studies for the
the context of India higher education. What	Community of Dhanas Village, Chandigarh between 2:30 p.m- 4:00 p.m
were the constraints / limitations, if any,	from 30 th January, 2018- 2 nd May, 2018 and offered remedial teaching
faced (in about 400 words)?	learning to slow learners of the Government Model Senior Secondary
	School, Dhanas between 2:30 p.m to 4:00 p.m from 1st February, 2018-
C. F. Hanna of Courses	15 th March, 2018
6. Evidence of Success	The members of the community of Dhanas were successfully sensitized
Provide evidence of success such as	about the different facets of community provided to the slow learners
performance against targets and	and knowledge of M.A Students towards community development was greatly enriched.
benchmarks, review/results. What do	greatly efficied.
these results indicate? Describe in about	
200 words.	
7. Problems Encountered and Resources	The problems encountered during the practice with reluctance of some
Required Required	community members to participate in the activities of the program and
Please identify the problems encountered	irregularity of some of the students taking remedial lessons. All the
and resources required to implement the	capacity building activities for the community were provided on a
practice (in about 150 words).	voluntary basis by the experts. Resources were only required for
,,,	delivering remedial lessons to the slow learner students.
8. Notes (Optional)	
Please add any other information that may	
be relevant for adopting/ implementing the	
Best Practice in other Institutions (in about	
150 words).	
1	

To, Director

DEPARTMENT OF BIOCHEMISTRY, PANJAB UNIVERSITY, CHANDIGARH

(DST-FIST & UGC-SAP SUPPORTED DEPARTMENT) Ph: 0172-2534131, e-mail: blochem@pu.ac.in

BCH/20/719 6/3/2020

Best Practices

1. Title of the Practice:

a. Under Swachh Bharat Abhiyaan/ Beti Bachao: Caring for the girl child/ student: Installation of Sanitary Pad vending machine and an incinerator in the Girls' washroom in the department. This information was also shared with all the neighbouring departments in Sector-25 campus of the University.

b. Introduction of Umbrella Pre Ph.D coursework: Sharing of resources: A framework has been implemented where four departments (Biocehmistry, Microbiology, Microbial Technology & Human Genome) have come together under one umbrella for teaching the Pre Ph.D coursework.

2. Duration (Year of inception-year of discontinuation):

- a. November 2018: The machines were installed with demonstration and are still continuing.
- b. January 2019: The first batch of students attended the program and this is continuing.

3. Objectives of the Practice:

- a. The primary objective was to bring awareness on use of such a machine conveniently and it should be accessible too. Also, installing incinerators that will decrease spread of disease due to disposal of sanitary napkins, and to take care of the issue of sanitary napkin disposal and decrease pollution due to reduced clogging of drainage system in public. The South campus of the University did not have any market and large number of girls/women students/staff here are. The vending machine was installed to ensure an effective, safe and convenient mode for any time access to the sanitary napkins. The purpose is to promote safe and hygienic sanitary practices among the women and girls.
- b. It is known that intra-professional resource sharing is beneficial and appropriate. Developing a commonly agreed coursework as per UGC guidelines and linking with existing faculty resources will enhance the impact of learning objectives. Providing avenues for sharing may assist in aligning education with the well-established process of community teaching-learning, improving resource quality through exposure to sister departments. Moreover, Statistics is an important component of the coursework and hiring a faculty at a common platform provides convenience in running the program.\

4. The Context:

- a. The purpose of this job was to bring awareness and availability clean by means of providing proper sanitary napkin vending machine and keeping environment clean by incinerator mediated disposal method. Sanitary napkins are blended with regular trash, and it isn't easy to distinguish them and remove off them. This exposes infected waste into the environment, animal and public at large leading to diseases.
- b. The UGC guidelines for Pre Ph.D program were revised and resource sharing became important as there was a faculty crunch. Moreover, every department needed one specialised faculty for teaching statistics (an important component of the program). So, all these problems are addressed and faculty of all the four departments could share the teaching load.

5. The Practice:

a. The Beti Bachao segment of Swachh Bharat Abhiyaan was the driving force behind this installation. This practice was unique as there was no such installation in the campus and installation of this user friendly machine provided immediate access to napkins anytime during menstrual emergencies at the drop of a coin. The limitation was refilling the machine but that was also taken care of.

DEPARTMENT OF BIOCHEMISTRY, PANJAB UNIVERSITY, CHANDIGARH

(DST-FIST & UGC-SAP SUPPORTED DEPARTMENT)
Ph: 0172-2534131, e-mail: biochemipu.ac.in

b. The students could get a varied flavour of being taught by different teachers and it was more interesting as faculty expert in their domains were handling the specific topics. The challenge emerged during examination when efforts were put in for getting the papers checked by a variety of faculty members.

6. Evidence of success:

- a. Message spread by word of mouth and students from other neighbouring departments also started using the machine. The trash became free of this garbage and we contributed to waste segregation at this level.
- b. The students felt that the faculty input is better due to specialised teachers contributing to knowledge. The program is now in its second year and none of the department feels the pressure individually.

7. Problems encountered and resources required:

- a. The major problem was that of funds. The chairperson, Prof. Archana Bhatnagar approached various organizations for contribution by way of CSR and was successful in getting aid from one of the private companies.
- b. The preparation of result was slightly difficult initially, but the Examination section helped in sorting it out. Also, Resource person for teaching statistics was to be a guest faculty. This is a temporary arrangement and the guest faculty discontinued as she got confirmed job in another organisation. Hence, a time consuming, fresh process for hiring a guest faculty had to be initiated all over again.

8. Notes:

- a. More such machines should be installed in other departments.
- b. The number of departments under the Umbrella can be increased if other departments so wish to.

Chairperson
Department of Biochemistre

andh University

NAAC Format for Presentation of Best Practices

DAYANAND CHAIR FOR VEDIC STUDIES, PANJAB UNIVERSITY, CHANDIGARH

1. Title of the Practice This title should capture the keywords that describe the practice.	Monthly Seminars – Department constituted Vedic Shodh Parishad of Research Scholars. That helps for encouraging the projects of Research which deals with the issues on Vedas,race, gender & environment like status of woman in ancient society, ecology and position of Varnas and training Programs are organized for the Research Scholars. Monthly Seminars are also organized to improve the writing, research, presentation and analytical skills of the Research Scholars. Matribhasha Diwas, Swachhta Abhiyan, Skill Development Programs, Inter-University Sanskrit Competitions, Sanskrit Day Bhasha Samvad.Extension Lectures, Cultural Activities, Awareness Programs in collaboration with the Deptt. of Sanskrit.
2. Duration (year of inception-year of discontinuation) What is year of inception? Is the practice still continuing? If not, what is the year of discontinuation?	All other programs were started in the department w.e.f. 2017-18 session
3. Objectives of the Practice What are the objectives / intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice (in about 100 words)?	Monthly Seminars - to improve their writing, research, presentation and analytical skills. Swachhta Abhiyan - It is to make students aware of the importance of cleanliness of their surroundings. Vedic Shodh Parishad - This Parishad helps for encouraging the projects of Research which deals with the issues on race, gender & environment like status of woman in ancient society, ecology and position of Varnas on the basis of Dayanand and Vedic literature.
4. The Context What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?	The main Challenge in front of the department was shortage of faculty, staff and finances. There are only two Faculty members and Two Non-teaching staff. The funds provided to the department are not sufficient for organizing these events on large scale. The department students make their own collection for the each Department events and Awareness programs.
5. The Practice Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?	Regular meeting of the Vedic Shodh Parishad is conducted. The members put their views and discussion for further working is decided.
6. Evidence of Success Provide evidence of success such as performance against targets and benchmarks, review/results. What do these results indicate? Describe in about 200 words.	List of events held in the department are attached for the reference please.
7. Problems Encountered and Resources Required Please identify the problems encountered and resources required to implement the practice (in	

about 150 words).	
8. Notes (Optional)	All these programmes are organized in collaboration with the
Please add any other information that may be relevant for adopting/ implementing the Best Practice in other Institutions (in about 150 words).	Department of Sanskrit.

NAAC Format for Presentation of Best Practices

DEPARTMENT OF SANSKRIT, PANJAB UNIVERSITY, CHANDIGARH

1. Title of the Practice

This title should capture the keywords that describe the practice.

<u>Monthly Seminars</u> — Department constituted <u>Sanskrit Shodh</u> <u>Parishad</u> of Research Scholars. That helps for encouraging the projects of Research which deals with the issues on race, gender & environment like status of woman in ancient society, ecology and position of Varnas and training Programs are organized for the Research Scholars. Monthly Seminars are also organized to improve the writing, research, presentation and analytical skills of the Research Scholars.

<u>Matribhasha Diwas</u> - We celebrate Matribhasha Diwas on 21st February every year to propagate the use of the mother tongue in daily life and conversation. Students perform the Cultural Activities like Songs, Poems, Dance etc in regional languages i.e. Hindi, Sanskrit, Punjabi, Urdu, Haryanvi, Gadhwali, Uria, Pahari etc.

<u>Swachhta Abhiyan -</u> We encourage students to take part in Swachhta (cleanliness) drive whenever it is scheduled. It is to make students aware of the importance of cleanliness of their surroundings.

<u>Free Text Books</u> - The faculty of the Department of Sanskrit has established a section of books dedicated to students from economically weaker sections. These books are provided to the such students for the full semester (Rotation wise).

<u>Skill Development Programs</u> - Popularising Sanskrit by organising Sloka Recitation, Extempore Speech, Sanskrit Kavi Sammelana etc. Encouraging the tradition of spoken Sanskrit, the department organises Sanskrit Speaking Course.

<u>Inter-University Sanskrit Competitions</u> – Deptt. organizes Inter university Declamation contest every year. Students from all over India take part in this event like Speech, Essay writing, Sloka recitation etc.

<u>Sanskrit Day</u> - We celebrate Sanskrit day in the month of August every year to impress upon the need of reviving Sanskrit as a language of communication.

<u>Bhasha Samvad.Extension Lectures</u> - We invite scholars from different National and International Universities/colleges/institutes/organisations to deliver a special lecture to enrich the knowledge of the students and motivate them for research activities.

<u>Cultural Activities</u> – Department constituted a <u>Sanskrit Sahitya</u> <u>Parishad</u> which manages to hold the Cultural events organized by the department. Like – Poetry, Sanskrit writing, Rangoli Making, Festival Celebrations, Regional Songs, Folk Dances etc.

<u>Awareness Programs</u> - Special Lectures on Pollution control, disposal of waste material, clean and green environment, vigilance week, constitution day, Sanskrit day, Matribhasha diwas etc. organized. Carrier counseling of students, their queries, provide guidance and solve personal issues (if required).

2. Duration (year of inception-year of	<u>Inter-University Sanskrit Competitions</u> – started since the origin of
discontinuation) What is year of inception? Is the practice still continuing? If not, what is the year of	the deptt. All other programs were started in the department w.e.f. 2017-18 session
discontinuation? 3. Objectives of the Practice What are the objectives / intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice (in about 100 words)?	Monthly Seminars - to improve their writing, research, presentation and analytical skills. Swachhta Abhiyan - It is to make students aware of the importance of cleanliness of their surroundings. Sanskrit Shodh Parishad - This Parishad helps for encouraging the projects of Research which deals with the issues on race, gender & environment like status of woman in ancient society, ecology and position of Varnas. They also provide guidance to their juniors for preparing for competitive exams of University Level, State Level and All India Level etc. Sanskrit Sahitya Parishad - The Parishad is meant for managing the Cultural events and Awareness programs organized by the department. Research scholars provide guidance to the students of MA for preparing for competitive exams of University level, State level etc. (NET/SLET/CTET/HTET etc.) Free Text Books - It is to help the students of weaker section. Skill Development Programs - To encourage the tradition of spoken Sanskrit, the department organises Sanskrit Speaking Course. Awareness Programs - Making people aware of present
4. The Context What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?	environmental, political and social issues. The main Challenge in front of the department was shortage of faculty, staff and finances. There are only two Faculty members and Two Non-teaching staff. The funds provided to the department are not sufficient for organizing these events on large scale. The department students make their own collection for the each Department events and Awareness programs.
5. The Practice Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?	Regular meetings of the Sanskrit Sahitya Parishad and Sanskrit Shodh Parishad are conducted. The members put their views and discussion for further working is decided.
6. Evidence of Success Provide evidence of success such as performance against targets and benchmarks, review/results. What do these results indicate? Describe in about 200 words.	List of events held in the department are attached for the reference please.
7. Problems Encountered and Resources Required Please identify the problems encountered and resources required to implement the practice (in about 150 words).	Shortage of funds and staff is one of the main problem encountered by the department.
8. Notes (Optional) Please add any other information that may be relevant for adopting/ implementing the Best Practice in other Institutions (in about 150 words).	