Project Proposal On

"GOVERNMENT DEGREE COLLEGE, NANDIKOTKUR"

Submitted to:

Department of Biotechnology
Ministry of Science and Technology
Government of India
New Delhi, India

Submitted By
principal:Dr R Suneetha

(Program Coordinator : Dr T Shali Saheb)

Part 1: General Information

1. **Name of the College submitting the Project Proposal :**

   GOVERNMENT DEGREE COLLEGE, NANDIKOTKUR

2. **Address:** Government Degree College, Nandikotkur Midthuru Road Nandikotkur Kurnool Dist-518401,Andhra Pradesh,Kurnool,Nandikotkur
3. **Nature of the college:** Government
4. **Location of College:** Urban
5. **Establishment Year of College:** 1982
6. **Whether Autonomous body:** No
7. **Whether located in aspirational districts:** N
7. **Affiliated to which University:** RAYALASEEMA UNIVERSITY
8. **Status about Affiliation:** Temporary
9. **Wheather registered under 12(b) and 2(f) of the UGC ?:** Y
10. **College Private / NGO ?:** N
11. **Application Status:** Fresh
12. **Upload of list of file(s) :** Click to view location document collegelocation

    Click to view Affiliated to which University document affiliation

    Evidence For registered under 12(b) and 2(f) of the UGC 2(f)12_B_2F12B_merged_compressed

College Principal

1. **Name:** Dr R Suneetha
2. **Designation:** College Principal
3. **Contact:**
   Phone: 0
   Email: ndkgdc.jkc@gmail.com
   Mobile No: 7893339659

Programme Coordinator Details

1. **Name of Programme Coordinator:** Dr T Shali Saheb
2. **Department:** Botany
3. **Designation:** Lecturer in Botany
4. **D.O.B:** 6/24/1962 12:00:00 AM
5. **Contact:**
   Phone: 0
   Email: gdcndkdbt@gmail.com
   Mobile No: 9989751148
6. **Address:** Phone: Department of Botany Government Degree College, Nandikotkur Midthuru Road Nandikotkur Kurnool Dist-518401

Department List

Sr.No.	Department Name	Course Name	Year of Start of Course	Contact Person	Mobile No.	Email
1	Botany	B.SC	1985	Dr T Shali Saheb	9989751148	gdcndkdbt@gmail.com
2	Physics	B.SC	1985	Dr T Kalimulla	9494554504	kalimullaforu@gmail.com
3	Chemistry	B.SC	1985	Sri M Govinda Rajulu	9618621962	govindarajchem66@gmail.com
4	Zoology	B.SC	1985	E Manohar Goud	9052100987	ndkgdc.jkc1@gmail.com
5	Computer Science	B.SC	2004	T Hanumanthu	6303545629	ndkgdc.jkc1@gmail.com

Part 2: Infrastructure

Laboratories Details

Sr.No.	Department Name	Equipment Name	Total Expenditure	Purchase Year	No of Equipment	Equipment Cost	Consolidated Amt	Is Functional
1	Botany	NIL	0.00	0	0	0.00	0.00	No
2	Physics	Stop clocks, Hallow prisms, Thermal Conductivity of rubber, Newtons law of cooling apparatus, sodium vapour lamp transformer , digital multimeter, PN junction diode kit, thermisters, LDR, PN diodes, Zenior diodes, AC sonameter	30000.00	2018	1	30066.00	30066.00	Yes
3	Chemistry	NIL	0.00	0	0	0.00	0.00	No
4	Zoology	NIL	0.00	0	0	0.00	0.00	No
5	Computer Science	NIL	0.00	0	0	0.00	0.00	Yes

Part 3: Faculty

Faculty Details

1.	**Department Name**	Botany
	Name of faculty	Dr T Shali Saheb
	Type of Faculty	Permanent
	Qualification	PhD
	Area of specialization	Biodiversity conservation, Medicinal plants
	Orientation Course last five years	0
	Refresher Course last five years	0
	R&D projects received from different funding agencies indicating title, cost, duration, date of sanction, name of funding agencies.	
	During the 2009-2011 MRP - Medicinal Plant Resources and Conservation in Nallamalla Amount Rs.90000/-	
	Conferences/Symposia/Seminar/Workshop last five years	
	International seminars- 7, National seminars -50, workshops -30	
	List of publications in last five years	

2.	**Department Name**	Chemistry
	Name of faculty	M Govinda Rajulu
	Type of Faculty	Permanent
	Qualification	M.SC
	Area of specialization	Biochemistry
	Orientation Course last five years	0
	Refresher Course last five years	0
	R&D projects received from different funding agencies indicating title, cost, duration, date of sanction, name of funding agencies.	
	NIL	
	Conferences/Symposia/Seminar/Workshop last five years	
	Seminars-8	
	List of publications in last five years	

3.	**Department Name**	Computer Science

	Name of faculty	T HANUMATHU
	Type of Faculty	Temporary
	Qualification	M.SC
	Area of specialization	Computers
	Orientation Course last five years	0
	Refresher Course last five years	0
	R&D projects received from different funding agencies indicating title, cost, duration, date of sanction, name of funding agencies.	
	Nil	
	Conferences/Symposia/Seminar/Workshop last five years	
	Nil	
	List of publications in last five years	

4.	**Department Name**	Physics
	Name of faculty	Dr T Kalimulla
	Type of Faculty	Temporary
	Qualification	PhD
	Area of specialization	Ultrasonics, Material Science
	Orientation Course last five years	0
	Refresher Course last five years	0
	R&D projects received from different funding agencies indicating title, cost, duration, date of sanction, name of funding agencies.	
	NIL	
	Conferences/Symposia/Seminar/Workshop last five years	
	Conferences-2 Seminars-5 Workshops-2	
	List of publications in last five years	

5.	**Department Name**	Zoology
	Name of faculty	E Manohar Goud
	Type of Faculty	Temporary
	Qualification	M.SC
	Area of specialization	Zoology
	Orientation Course last five years	0
	Refresher Course last five years	0
	R&D projects received from different funding agencies indicating title, cost, duration,	

	date of sanction, name of funding agencies.	
	Nil	
	Conferences/Symposia/Seminar/Workshop last five years	
	0	
	List of publications in last five years	

Part 4: Student

Student Details List

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
1	Botany	2017	40	As per the Government Norms	2	11

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
1	4	3	3	11	0

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
2	Botany	2018	40	As per the Government Norms	5	10

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	7	0	3	2	8

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
3	Botany	2019	40	As per the Government Norms	2	9

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student

0	5	0	4	5	4

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
4	Botany	2020	40	As per the Government Norms	4	7

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
1	3	0	3	4	3

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
5	Botany	2021	40	As per the Government Norms	2	0

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	0	0	0	0	0

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
6	Chemistry	2017	80	As per the Government Norms	2	16

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
1	4	3	8	15	1

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted

7	Chemistry	2018	80	As per the Government Norms	6	10

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	7	0	3	2	8

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
8	Chemistry	2019	80	As per the Government Norms	4	9

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	5	0	4	5	4

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
9	Chemistry	2020	80	As per the Government Norms	4	8

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
1	4	0	3	5	3

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
10	Chemistry	2021	40	As per the Government Norms	2	0

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	0	0	0	0	0

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
11	Computer Science	2017	40	As per the Government Norms	0	2

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	2	0	0	1	1

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
12	Computer Science	2018	40	As per the Government Norms	9	5

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	3	0	2	4	1

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
13	Computer Science	2019	40	As per the Government Norms	0	6

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	5	0	1	6	0

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
14	Computer Science	2020	40	As per the Government Norms	0	2

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	0	0	2	2	0

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
15	Computer Science	2021	40	As per the Government Norms	0	1

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	0	0	1	1	0

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
16	Physics	2017	80	As per the Government Norms	0	7

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	2	0	5	5	2

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
17	Physics	2018	80	As per the Government	10	5

				Norms		

Total No. of student admitted(Category Wise)					
No of Student GEN Category	**No of Student SC Category**	**No of Student ST Category**	**No of Student OBC Category**	**No of Male Student**	**No of Female Student**
0	3	0	2	4	1

Sr.No.	**Department**	**Year**	**No. of seats**	**Mode of selection**	**No. of students passed out**	**No.of students admitted**
18	Physics	2019	80	As per the Government Norms	2	6

Total No. of student admitted(Category Wise)					
No of Student GEN Category	**No of Student SC Category**	**No of Student ST Category**	**No of Student OBC Category**	**No of Male Student**	**No of Female Student**
0	1	0	5	6	0

Sr.No.	**Department**	**Year**	**No. of seats**	**Mode of selection**	**No. of students passed out**	**No.of students admitted**
19	Physics	2020	80	As per the Government Norms	0	3

Total No. of student admitted(Category Wise)					
No of Student GEN Category	**No of Student SC Category**	**No of Student ST Category**	**No of Student OBC Category**	**No of Male Student**	**No of Female Student**
0	1	0	2	3	0

Sr.No.	**Department**	**Year**	**No. of seats**	**Mode of selection**	**No. of students passed out**	**No.of students admitted**
20	Physics	2021	40	As per the Government Norms	0	1

Total No. of student admitted(Category Wise)					
No of Student GEN Category	**No of Student SC**	**No of Student ST**	**No of Student OBC Category**	**No of Male Student**	**No of Female**

	Category	Category			Student
0	0	0	1	1	0

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
21	Zoology	2017	40	As per the Government Norms	2	11

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
1	4	3	3	11	0

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
22	Zoology	2018	40	As per the Government Norms	5	10

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	7	0	3	2	8

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students passed out	No.of students admitted
23	Zoology	2019	40	As per the Government Norms	2	9

Total No. of student admitted(Category Wise)

No of Student GEN Category	No of Student SC Category	No of Student ST Category	No of Student OBC Category	No of Male Student	No of Female Student
0	5	0	4	5	4

Sr.No.	Department	Year	No. of seats	Mode of selection	No. of students	No.of students

					passed out	**admitted**
24	Zoology	2020	40	As per the Government Norms	1	7

Total No. of student admitted(Category Wise)					
No of Student GEN Category	**No of Student SC Category**	**No of Student ST Category**	**No of Student OBC Category**	**No of Male Student**	**No of Female Student**
1	3	0	3	4	3

Sr.No.	**Department**	**Year**	**No. of seats**	**Mode of selection**	**No. of students passed out**	**No.of students admitted**
25	Zoology	2021	40	As per the Government Norms	2	0

Total No. of student admitted(Category Wise)					
No of Student GEN Category	**No of Student SC Category**	**No of Student ST Category**	**No of Student OBC Category**	**No of Male Student**	**No of Female Student**
0	0	0	0	0	0

Summer training/Research project Details

1. **Do all students under-take a summer training/research project? If yes, what is the duration. No. of students in each project:** No
2. **Provide the list of projects under-taken by students in last 2 years:** NIL
3. **Consolidated PDF file consisting below mentioned details:**

a) Enclose copy of curriculum	
b) List of the practical experiments in the curriculum actually done by the students and practical demonstrated.	science5subjects
c) When was the last exercise for curriculum revision undertaken?	
d) Specialization of the course	

Part 5: Technical Details

1. Department: Computer Science

2. Half page executive summary indicating relevance and expected outcome:

The sole vision is to take the responsibility for Students present and future learning by developing their academic ,Interpersonal, Intrapersonal technological skills, Technical Skills

3. Specific objectives:

PSO-1: Professional Skills: The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexity. PSO2: Problem-Solving Skills: The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success. PSO3: Successful Career and Entrepreneurship: The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.

4. Measures to be adopted to enhance bench skills of students, project work, summer training & industrial training:

Sr.No.	Department	Student Measures Details	Year	No of beneficiaries
1	Computer Science	To enhance the skills of the students the following are adopted : student seminars, study projects, group discussions, attending science fairs , JAM programme and other cocurricular activities.	2022	7

5(a). Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(1st Year):

All the faculty members are encouraged to participate/attend seminars, workshops, conferences, orientation programmes, FDPs and refresher courses in order to upgrade skills in the concerned subject.

5(b) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(2nd Year):

All the faculty members are encouraged to participate/attend seminars, workshops, conferences, orientation programmes, FDPs and refresher courses in order to upgrade skills in the concerned subject.

5(c) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(3rd Year):

All the faculty members are encouraged to participate/attend seminars, workshops, conferences, orientation programmes, FDPs and refresher courses in order to upgrade skills in the concerned subject.

6. Appropriate modifications proposed in curriculum to cover laboratory exposure to students and IPR & biosafety issues:

Nil

7. Techniques/Additional practicals proposed to be undertaken by the college (within prescribed curriculum of the university), practicals which could not be conducted earlier due to lack of equipment or costly consumables. New equipment proposed to be purchased to be correlated with new additional practicals:

Nil

8. No. of beneficiaries:

0

9. Proposed activities for laboratory staff:

All the laboratory staff are encouraged to attend training programmes like MS Office to develop the skills.

10. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

11. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

12. Timelines for activities listed at 3-5 in each academic session indicating no. of proposed courses, no. of beneficiaries:

Sr.No.	Type of the activity	Type of the activity	Proposed Courses	No. of beneficiaries	Timelines
1	Computer Science	Proposed certificate course	Basic Computer Skills	9	45 Hours

13. Proposed outreach activities for school teachers and college teachers per year:

Orientation Courses and Refresher Courses

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1. Department: Botany

2. Half page executive summary indicating relevance and expected outcome:

1. To understand the basic concepts of the Botany in relation to its allied core courses 2. Demonstrate simple experiments related to plant science interpret them with the theoretical knowledge 3. work in teams with enhanced inter-personal skills 4. Develop the critical thinking with scientific temper 5. Effectively communicate scientific ideas both orally and in writing

3. Specific objectives:

1. Provide a comprehensive knowledge on various aspects related to plants 2. To deliver knowledge on latest development in the field plant sciences with a practical approach 3. To provide a student who thinks independently, critically and discuss various aspects plant life. 4. To enable a graduate to prepare and pass through national and international examinations in related to Botany. 5. To empower the students to become an employee or an entrepreneur in the field of Botany / Biology and to serve the nation

4. Measures to be adopted to enhance bench skills of students, project work, summer training & industrial training:

Sr.No.	Department	Student Measures Details	Year	No of beneficiaries
1	Botany	To adopt student seminars, group discussions , student study project, they acquire knowledge to prepare the model , to attend the science fair, JAM programme to enhance their knowledge and skill of the students	2022	17

5(a). Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(1st Year):

To permit attend the seminars, conferences, workshops, orientation programme, refresher courses, FDPs to upgrade the knowledge in their subject.

5(b) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(2nd Year):

To permit attend the seminars, conferences, workshops, orientation programme, refresher courses, FDPs to upgrade the knowledge in their subject.

5(c) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(3rd Year):

To permit attend the seminars, conferences, workshops, orientation programme, refresher courses, FDPs to upgrade the knowledge in their subject.

6. Appropriate modifications proposed in curriculum to cover laboratory exposure to students and IPR & biosafety issues:

Nil

7. Techniques/Additional practicals proposed to be undertaken by the college (within prescribed curriculum of the university), practicals which could not be conducted earlier due to lack of equipment or costly consumables. New equipment proposed to be purchased to be correlated with new additional practicals:

NIL

8. No. of beneficiaries:

0

9. Proposed activities for laboratory staff:

To encourage the laboratory staff to know handling of microscopes, borrowing the plant material in the field, arrangement of slides and handling the glasswares

10. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

11. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

12. Timelines for activities listed at 3-5 in each academic session indicating no. of proposed courses, no. of beneficiaries:

Sr.No.	Type of the activity	Type of the activity	Proposed Courses	No. of beneficiaries	Timelines
1	Botany	Nil	Nil	0	0

13. Proposed outreach activities for school teachers and college teachers per year:

Orientation programmes , FDPs

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1. Department: Physics

2. Half page executive summary indicating relevance and expected outcome:

1. The student would gain substantial knowledge in various branches of physics 2. student will demonstrate and understanding of core knowledge 3. student will demonstrate written and oral communication skills in communicating physics-related topics 4. student will demonstrate proficiency in the acquisition of data using a variety laboratory instruments and in the analysis and interpretation of such data. 5.Student will demonstrate and understanding of the impact of physics and science on society

3. Specific objectives:

1. To help students to develop interest , motivation and a sense of achievement in their study of physics 2. To develop and appreciation of the nature and development in physics, an awareness of physics to every day life and of the role of the applications of physics. 3. Students should be able to recall and understanding of physics terminology, definitions and conventions. 4. Students should be able to concepts, laws, models and relevant applications of Physics in society an every day life

4. Measures to be adopted to enhance bench skills of students, project work, summer training & industrial training:

Sr.No.	Department	Student Measures Details	Year	No of beneficiaries
1	Physics	1. Students acquire knowledge to operate electronic devices 2. Motivate the students to prepare science models and study projects 3. Motivate the students to enhancement of skills to do physics practical's in laboratory	2022	5

5(a). Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(1st Year):

Nil

5(b) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(2nd Year):

Nil

5(c) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(3rd Year):

Nil

6. Appropriate modifications proposed in curriculum to cover laboratory exposure to students and IPR & biosafety issues:

Nil

7. Techniques/Additional practicals proposed to be undertaken by the college (within prescribed curriculum of the university), practicals which could not be conducted earlier due to lack of equipment or costly consumables. New equipment proposed to be purchased to be correlated with new additional practicals:

Nil

8. No. of beneficiaries:

0

9. Proposed activities for laboratory staff:

To explain the staff on electrical instruments like battery soldering, volt meters, ammeters and digital multi meters, and also on telescope, Spectro meter adjustments

10. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

11. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

12. Timelines for activities listed at 3-5 in each academic session indicating no. of proposed courses, no. of beneficiaries:

Sr.No.	Type of the activity	Type of the activity	Proposed Courses	No. of beneficiaries	Timelines
1	Physics	Nil	Nil	0	0

13. Proposed outreach activities for school teachers and college teachers per year:

To permit attend the seminars, conferences, workshops, orientation programme,

refresher courses, FDPs to upgrade the knowledge in their subject.

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1. Department: Chemistry

2. Half page executive summary indicating relevance and expected outcome:

1. Demonstrate solve and understanding of major concepts in all disciplines of chemistry 2. Solve the problem and also think methodically, independently and draw a logical conclusion 3. Employ critical thinking and the scientific knowledge to design, carryout, record and analyze the results of chemical reactions 4. Create awareness in public about the impact of chemical on the environment and society 5. Use latest techniques of chemical analysis

3. Specific objectives:

1. To develop an appreciation of the nature & development in chemistry & an awareness of chemistry to every day life and of the role of the applications of chemistry 2. Students should be able to recall & understanding of chemistry terminology, definitions & conventions 3. Students should be able to concepts ,laws, reactions, models & relevant applications of chemistry in society & every day life

4. Measures to be adopted to enhance bench skills of students, project work, summer training & industrial training:

Sr.No.	Department	Student Measures Details	Year	No of beneficiaries
1	Chemistry	The implementation of STAR college programme will focus on the improvement of logical, critical and innovative thinking and strengthen and inculcate experimental skills at the UG level. The following measures may be adopted to enhance bench skills of students & faculty. 1. Organizing workshops on chemistry concepts to students & faculty 2. Encouraging the staff to attend faculty development programmes & MOOCs to uplist their bench skills. 3. Visits to research and training institutes & diagnostics laboratories situated locally 4. Encourage faculty to participate in pedagogy development which is underway	2022	17

5(a). Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(1st Year):

To permit attend the seminars, conferences, workshops, orientation programme, refresher courses, FDPs to upgrade the knowledge in their subject.

5(b) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(2nd Year):

To permit attend the seminars, conferences, workshops, orientation programme, refresher courses, FDPs to upgrade the knowledge in their subject.

5(c) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(3rd Year):

To permit attend the seminars, conferences, workshops, orientation programme, refresher courses, FDPs to upgrade the knowledge in their subject.

6. Appropriate modifications proposed in curriculum to cover laboratory exposure to students and IPR & biosafety issues:

Nil

7. Techniques/Additional practicals proposed to be undertaken by the college (within prescribed curriculum of the university), practicals which could not be conducted earlier due to lack of equipment or costly consumables. New equipment proposed to be purchased to be correlated with new additional practicals:

Nil

8. No. of beneficiaries:

0

9. Proposed activities for laboratory staff:

To encourage prepare the chemical reagents, chemical solutions handling the glass wares and equipments

10. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

11. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

12. Timelines for activities listed at 3-5 in each academic session indicating no. of proposed courses, no. of beneficiaries:

Sr.No.	Type of the activity	Type of the activity	Proposed Courses	No. of beneficiaries	Timelines
1	Chemistry	Nil	Nil	0	0

13. Proposed outreach activities for school teachers and college teachers per year:

Orientation courses and refresher courses

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1. Department: Zoology

2. Half page executive summary indicating relevance and expected outcome:

1. To understand the basic concepts of the Zoology in relation to its allied core courses 2. Demonstrate simple experiments related to animal science interpret them with the theoretical knowledge 3. work in teams with enhanced inter-personal skills 4. Develop the critical thinking with scientific temper 5. Effectively communicate scientific ideas both orally and in writing

3. Specific objectives:

1. Provide a comprehensive knowledge on various aspects related to animals 2. To deliver knowledge on latest development in the field animal sciences with a practical approach 3. To provide a student who thinks independently, critically and discuss various aspects animal life. 4. To enable a graduate to prepare and pass through national and international examinations in related to Zoology 5. To empower the students to become an employee or an entrepreneur in the field of Zoology and to serve the nation

4. Measures to be adopted to enhance bench skills of students, project work, summer training & industrial training:

Sr.No.	Department	Student Measures Details	Year	No of beneficiaries
1	Zoology	To adopt student seminars, group discussions , student study project, they acquire knowledge to prepare the model , to attend the science fair, JAM programme to enhance their knowledge and skill of the students	2022	17

5(a). Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(1st Year):

To permit attend the seminars, conferences, workshops, orientation programme, refresher courses, FDPs to upgrade the knowledge in their subject.

5(b) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(2nd Year):

To permit attend the seminars, conferences, workshops, orientation programme, refresher courses, FDPs to upgrade the knowledge in their subject.

5(c) Measures to be undertaken to upgrade skills of faculty by participation in faculty improvement programme(3rd Year):

To permit attend the seminars, conferences, workshops, orientation programme, refresher courses, FDPs to upgrade the knowledge in their subject.

6. Appropriate modifications proposed in curriculum to cover laboratory exposure to students and IPR & biosafety issues:

Nil

7. Techniques/Additional practicals proposed to be undertaken by the college (within prescribed curriculum of the university), practicals which could not be conducted earlier due to lack of equipment or costly consumables. New equipment proposed to be purchased to be correlated with new additional practicals:

Nil

8. No. of beneficiaries:

0

9. Proposed activities for laboratory staff:

To arrange the microscopes slides, lab equipment's, display charts etc.,

10. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

11. Involvement of visiting faculty (details of lecture & practicals to be covered in each department):

Nil

12. Timelines for activities listed at 3-5 in each academic session indicating no. of proposed courses, no. of beneficiaries:

Sr.No.	Type of the activity	Type of the activity	Proposed Courses	No. of beneficiaries	Timelines
1	Zoology	Nil	Nil	0	0

13. Proposed outreach activities for school teachers and college teachers per year:

Orientation programmes , refresher courses ans FDPs

Part 6: Budget Details

Non Recuring Budget

Sr.No.	Department	Equipment Details	Unit Cost	Total Quantity	Total Cost
1	Botany	Calorimeter, Spectro Photo Meter, Paper Chromotography, Auto clave, Tissue culture equipment	500000.00	1	500000.00
2	Chemistry	Cnetrifuger	10000.00	1	10000.00
3	Chemistry	Digital balance	8000.00	1	8000.00
4	Computer Science	COMPUTER SYSTEM	50000.00	20	1000000.00
5	Physics	Demorgan Theorem kit, Energy gap of semiconductor, M & H , Newton Rings Kit, Gratings , Prisoms, Spectro Meters, Mercury vapour lamps with wooden box, sodium lamp with transformer, Mercury, Thermo Meters, Plancks constant instrument , e/m thomson method & Electrical kettle	10000.00	50	500000.00
6	Zoology	Aquarium, Human Skeleton, Museum specimens	200000.00	1	200000.00

Recuring Budget

Sr.No.	Department	Consumble Details	Consumble Unit Cost	Consumble Quantity	Consumble Cost	Contingency Details	Contingency Total Cost	Travel Details	Travel Cost
1	Botany	Safranine, HCL	50000.00	5	250000.00	0	0.00	0	0.00
2	Chemistry	Ammonia Solution	2000.00	1	2000.00	0	0.00	0	0.00
3	Chemistry	CONC.HCL	3000.00	1	3000.00	0	0.00	0	0.00
4	Chemistry	CONC Sulphuric acid	3000.00	1	3000.00	0	0.00	0	0.00

Part 7: Declaration

Click here to view declaration certificate: stardeclaration