



A.S.D. Government Degree College for Women

An Autonomous Institution

Jagannaickpur, Kakinada, Andhra Pradesh-533002

Affiliated to Adikavi Nannaya University, Rajamahendravaram



INTERNAL QUALITY ASSURANCE CELL

ACTIVITY

Between
Department of Zoology
A.S.D. Government Degree College for
Women
&
Department of Zoology
P.R Government College, Kakinada

ASD GOVT. DEGREE COLLEGE FOR WOMEN (A),
(Re- Accredited by NAAC with B Grade)
Jagannaickpur, Kakinada, East Godavari, AP – 533002

Department of Zoology and Aquaculture Technology

2021-2022



**MOU between ASD Government Degree College for
Women, (A) and P.R Government Degree College
Kakinada**

Student Exchange Programme

Staff meeting - 4.

dt: 8-2-2022

The departmental staff meeting of Zoology is held on 8-2-2022 at 3 PM in Zoology Department to discuss about departmental issues and the following resolutions are made.

1. Resolved to distribute the syllabus & papers among the staff in the following manner for 6th semester.

Paper - VII (Immunology) - Smt. M. Vasanthalakshmi

Paper - VIII C₁ (Principles of Aquaculture) - Smt. S. Madhavi

Paper - VIII C₂ (Aquaculture management) - M. Ibsanthe Lakshmi

Paper - VIII C₃ (Post Harvest Technology) - S. Madhavi

All Aquaculture Technology Papers - Smt. N. Veerachanti

2. Resolved to enter into MoU with PR Government College (A), Kakiniada, and conduct student Exchange programme by exchanging II B.Sc Aquaculture Technology students of both the colleges for one week.

3. Resolved participate actively in "clean and green" and other activities of the College.

4. It is Resolved to conduct "field Trip" to SIFT, Kakiniada for III year & II year Zoology and Aquaculture students to expose them to various laboratory techniques, Aquarium fish and their maintenance, Museum etc.

5. Resolved to conduct co-curricular activities such as Departmental Seminars, Assignments, Student Seminars etc. for I, II, III Bisc. CBZ & Aquaculture students.

6. Resolved to celebrate "National Science Day" on 28-2-2022. and conduct science exhibition inviting the students of ASD Government Degree College (A), ASD GJC and other nearby schools to generate interest and curiosity in Zoology subject.

7. Resolved to conduct Blood grouping in collaboration with ASD GDCW (A), Kakinada NSS units I & II in the special camp to be conducted in the month of March '2022.

8. Resolved to conduct a training programme to II B.Sc - CZAgT students at SIFT, Kakinada on "Feed analysis of Aquaculture pellet feeds" in the month of March 2022.

9. Resolved to send III B.Sc - Zoology cluster students to culture ponds / processing units in and around Kakinada and guide them in carrying out Zoology project work in Aquaculture cluster as per the curriculum.

M. S. Reddy
8/2/2022

Signatures of staff.

1. S. Mohan 8/2/2022
2. N. S. Reddy 8/2/2022

Signature of Dept. In charge

Principal-in-Charge
DEPARTMENT OF ZOOLOGY
A.S.D. GOVT. COLLEGE FOR WOMEN
KAKINADA-2



PITHAPUR RAJAH'S GOVT. COLLEGE

An Autonomous Institution Accredited By NAAC At Grade 'A' (3.17 CGPA)

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)

Opp. Mc. Laurin High School, Raja Rammohanroy Road,
KAKINADA - 533 001, E.G.Dt., Andhra Pradesh, India.



Dr. B.V. TIRUPANYAM., Ph.D
PRINCIPAL

Mobile : 91777 86215
Fax & Phone : 0884 - 2387888 (P)
Ph : 0884 - 2379480 (O)

Date - 12/2/2022.....

To
The Principal,
A.S.D. Govt Degree College for Women (Autonomous),
Kakinada.

Madam,

Sub: PRGC(A)-Student Exchange Programme 2022-II B.Sc. Aquaculture Technology girl students-Allotment for Classwork to A.S.D. Govt Degree College for Women (Autonomous)-Reg.

- Ref: 1) Terms of MoU as agreed upon in the meeting held on 3/2/2022 in the Principal's Chamber of A.S.D. Govt Degree College for Women, Kakinada
2) Letter of HOD of Zoology & Aquaculture, PRGC (A), dated 11/2/2022 submitting the list of girl students for Student Exchange Programme

This is to inform you that Department of Zoology & Aquaculture of our College has come forward to send its II B.Sc. Aquaculture Technology students to your College under 'Student Exchange Programme' from 16/2/22 to 23/2/22. The list of students who are allotted for classwork to your college, along with their phone numbers and also syllabus to be covered by your faculty, is attached herewith as Annexure-I.

I thank you whole-heartedly for extending full cooperation in fulfilling the responsibilities of our MoU.

Note: For the smooth conduct of this 'Student Exchange Programme', Lecturer in Zoology of our College, Dr.B.Elia will coordinate with the 'Coordinator' of your College. He can be contacted on his mobile 9441715670.

Thanking you,

Yours sincerely,


Dr. B.V. Tirupanyam
12 Feb 2022

---Copy to the Academic Coordinator, PRGC (A)

---Copy to the IQAC Coordinator, PRGC (A)

PRINCIPAL
P.R. Govt. College (A)
KAKINADA

ASD GOVT DEGREE COLLEGE FOR WOMEN (A), KAKINADA DEPARTMENT OF ZOOLOGY AND AQUACULTURE TECHNOLOGY

MOU- STUDENT EXCHANGE PROGRAMME 2021-2022

The Department of Zoology & Aquaculture Technology has conducted a student exchange programme from 16-02-2022 to 23-02-2022 as a part of MoU between ASD Government Degree College for Women (A) and P.R Government College (A) Kakinada. 36 students (II CZAqT) of both colleges have participated in the programme. II CZAqT students of PR Government College (A) Kakinada have attended classes at our college and II CZAqT students ASD Government Degree College for Women(A), Kakinada have attended classes at PR Government College (A) Kakinada. The Department has arranged a field trip to the State Institute of Fisheries Technology (SIFT), Kakinada on 19-02-2022 and 22-02-2022 (Two days) for PR Government College(A) students to expose them to the latest diagnostic tools and techniques used in Aquaculture in assessing various quality parameters. The students visited PCR lab, Microbiology lab, Soil analysis lab, Feed analysis lab and Water analysis lab. Sri K. Chalapathi, FDO, SIFT has explained working mechanism of machinery used in these labs. Students visited Aquaria maintained at SIFT and acquainted themselves with aquarium maintenance and different types of ornamental fish. They also visited museum and observed different types of culture and capture fishery.

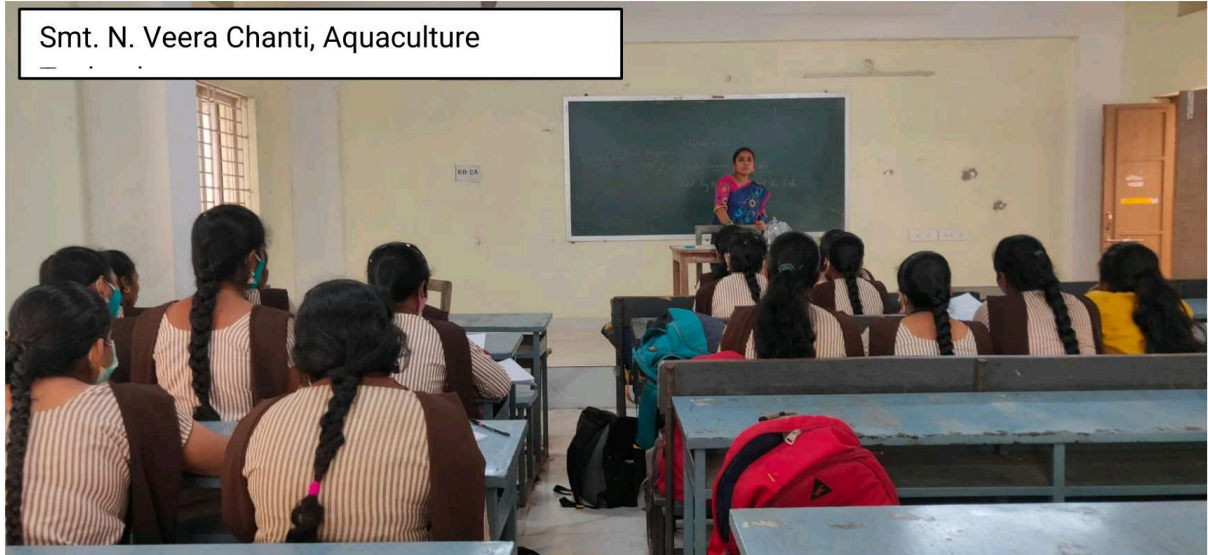
Objective of the programme is to expose the students to different teaching-learning methodologies adopted by the faculty of both the colleges and to develop adaptive behaviour among the students.



MOU between ASD Government Degree College for Women, (A) and PR Government College (A) Kakinada and Inauguration of Student Exchange Programme at Seminar Hall of PR Government College (A) Kakinada.

Faculty members engaging classes for PR Government College students.

Smt. N. Veera Chanti, Aquaculture



Smt. S. Madhavi, Lecturer in





Field Visit to SIFT, Kakinada





Sri. K. Chalapathi, FDO, SIFT, Kakinada explaining about the activities of SIFT and opportunities in aquaculture industry.



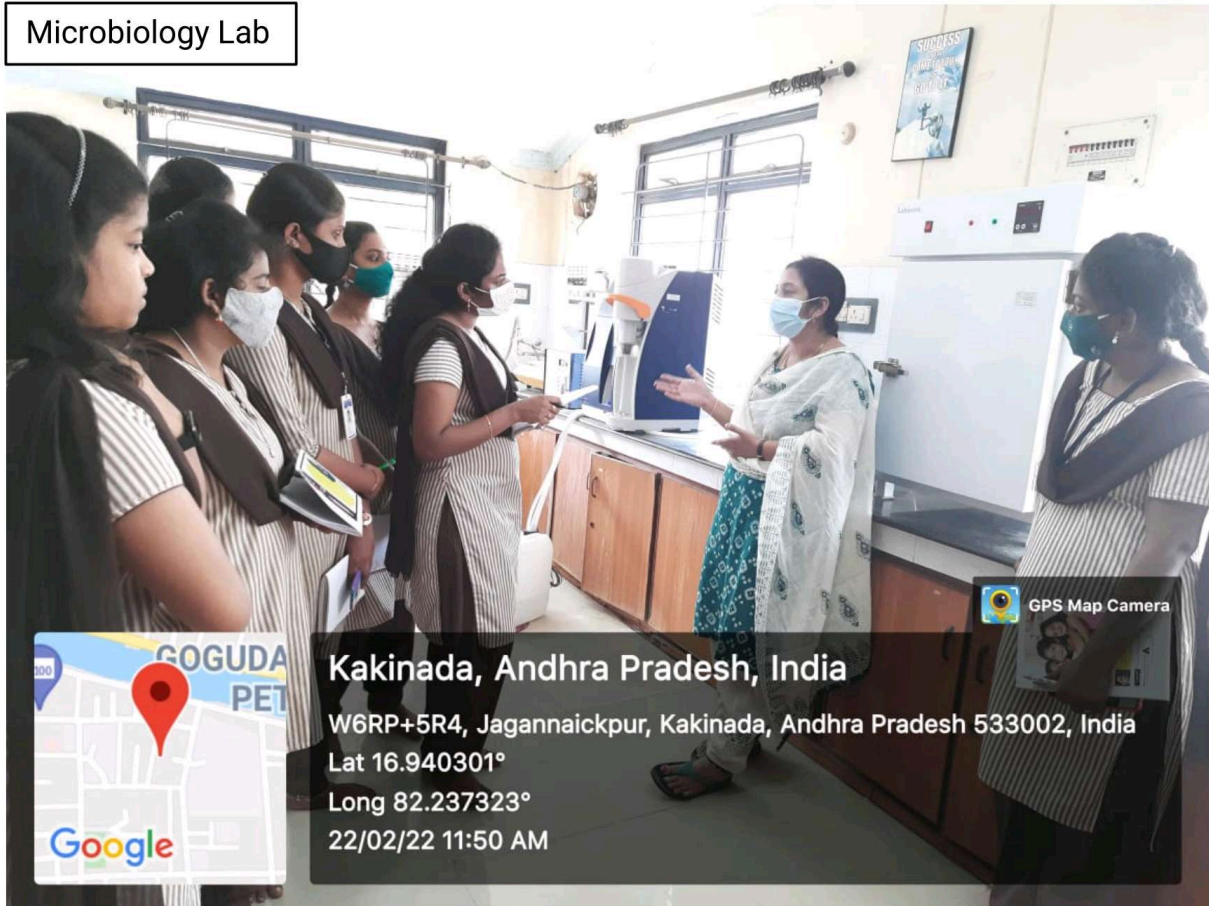


Students Learning about the mechanism of HPLC

Water Analysis



Microbiology Lab



Observing Ornamental Fish in



Visit to SIFT museum





Valedictory session of Student Exchange Programme conducted at ASD Government Degree College for Women(A), Kakinada



Principals, Staff & students of Zoology departments of both ASD Government Degree College for Women, (A) and P.R Government College (A) Kakinada with certificate of student Exchange Programme.

విద్యార్థుల పరస్పర మార్పిడి

వెంకటేశ్వరం: పీఆర్ ప్రభుత్వ డిగ్రీ, ఏఎస్ డి ప్రభుత్వ మహిళా డిగ్రీ కళాశాలల మధ్య విద్యార్థుల పరస్పర మార్పిడి ద్వారా అభ్యసనం చేసేందుకు బుధవారం శ్రీకారం చుట్టామని కళాశాలల ప్రెసిడెంట్ డాక్టర్ బి.వి.తిరుపాణ్యం, డాక్టర్ వి.అనంతలక్ష్మి తెలిపారు. ఆక్వా కల్చర్ విద్యార్థుల్లో నైపుణ్యాల పెంపు కోసం కొద్దిరోజులు అక్కడి వారు ఇక్కడ, ఇక్కడ వారు అక్కడ తరగతులకు హాజరయ్యేందుకు ఒప్పందం జరిగిందన్నారు. ఇరు కళాశాలల జంతుశాస్త్ర విభాగాధిపతులు బి.చక్రవర్తి, ఎం.వసంతలక్ష్మి ఆధ్వర్యంలో కళాశాలల ప్రెసిడెంట్లు ఒప్పంద పత్రాలపై సంతకాలు చేశారు.



Syllabus to be covered during Student Exchange Programme

Aquaculture Topics:

- Requirements for energy, proteins, carbohydrates, lipids, fiber, micro nutrients for different stages of cultivable fish and prawns
- Essential amino acids and fatty acids, protein to energy ratio, nutrient interactions and protein sparing effect
- Dietary sources of energy, effect of ration on growth, determination of feeding rate, check tray
- Factors affecting energy partitioning and feeding

Zoology Topics:

- Structure and functions of Endoplasmic reticulum, Golgi apparatus
- Structure and functions of lysosomes, ribosomes
- Structure and functions of mitochondria
- Chromosomes structure, types and functions.


Chemistry Topics:

- Molecular spectroscopy: Interaction of electromagnetic radiation with molecules and various types of spectra;
- Rotational spectroscopy: Selection rules, intensities of spectral lines, determination of bond lengths of diatomic and linear triatomic molecules, isotopic substitution.
- Vibrational spectroscopy: Classical equation of vibration, computation of force constant, harmonic and anharmonic oscillator. Morse potential curve, vibrational degrees of freedom for polyatomic molecules, modes of vibration. Selection rules for vibrational transitions, fundamental frequencies, overtones and hot bands.

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ASD GOVT DEGREE COLLEGE FOR WOMEN(A)

S.No	Regd No	Name of the student	Signature of Students
1.	2036001	D. Neelima	D. Neelima
2.	2036002	D. Sony	D. Sony
3.	2036003	K. Gnana Nageswari	K. Gnana nageswari
4.	2036004	S.Hema Durga Devi	S. Hema durga devi
5.	2036005	S. Pavani	S. Pavani
7.	2036007	D. Pujitha	D. pujitha
8	2036008	G. Satya Veni	G. Satyaveni
9	2036009	G. Krishna Veni	G. Krishna Veni
10	2036010	G. Swathi	G. Swathi
11	2036011	K. Lakshmi Kumari	K. Lakshmi Kumari
12	2036012	K. Kusuma	K. Kusuma
13	2036013	K. Kavya Sri	M. Kavya Sri
14	2036014	M. Priya	M. Priya
15	2036015	M. Suvarna Latha	M. Suvarna Latha
16	2036016	P. Sandhya Rani	P. sandhya rani
17	2036017	P. Chunalika	P. chunalika
18	2036018	P. Sai lakshmi	P. Sai lakshmi
19	2036019	P. Anitha	P. Anitha


 DEPARTMENT OF ZOOLOGY
 G.D. GOVT. COLLEGE FOR WOMEN
 KAKINADA-2

P:R GOVT DEGREE COLLEGE (A)

S.No	Regd No	Name of the student	Signature of Students
1.		P. Maha Lakshmi	P. Maha Lakshmi
2.		V.S.L Sailaja	V.S.L. Sailaja
3.		Y.Rajeswari	Y. Rajeswari
4.		K.Jaya Harika	K. Jaya Harika
5.		N. Rishitha Sai Lakshmi	N. Rishitha Sai Lakshmi
7.		J. Sri Devi	J. Sri Devi
8		Y. Harathi	Y. Harathi
9		P. Gayathri	P. Gayathri
10		A.Devi	A. Devi
11		S. Ramya Sri	S. Ramya Sri
12		P.Yashika Sharan	P.Yashika Sharan
13		M.Sruthi	M. Sruthi
14		K.lavanya	k. lavanya
15		P.Jhansi	P. Jhansi
16		S. Lakshmi Anjali	S. Lakshmi Anjali
17		G. Yestheru Rani	G. Yestheru Rani
18		A.Manju Lakshmi	A. Manju Lakshmi


 DEPARTMENT OF ZOOLOGY
 G.S. GOVT. COLLEGE FOR WOMEN,
 KAKINADA-8



ANNAVARAM SATHYAVATHI DEVI GOVERNMENT DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)



Re-Accredited by NAAC with "B" Grade in Cycle-III
KAKINADA - 533 002, Andhra Pradesh.

STUDENT EXCHANGE PROGRAMME DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. G. Yestaru Rani of Class II B.Sc
Aquaculture Technology of P.R. Government College (Autonomous), Kakinada attended Classes at
ASD Government Degree College for Women (Autonomous), under 'Student Exchange Programme'
from 16-02-2022 to 23-02-2022.

Head - Department of Zoology
A.S.D.Govt. Degree College (A)

Academic Co-ordinator
A.S.D.Govt. Degree College (A)

IQAC Co-ordinator
A.S.D.Govt. Degree College (A)

Principal
A.S.D.Govt. Degree College (A)



PITHAPUR RAJAH'S GOVERNMENT COLLEGE

(AN AUTONOMOUS INSTITUTION ACCREDITED BY NAAC AT 'A' GRADE (3.17 CGPA)
Affiliated to Adikavi Nannaya University, Rajamahendravaram
KAKINADA - 533 001, Andhra Pradesh.



STUDENT EXCHANGE PROGRAMME DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. K. LAXMI KUMARI of Class II B.Sc
Aquaculture Technology of ASD Government Degree College for Women (Autonomous), Kakinada attended
Classes at P.R. Government College (Autonomous), Kakinada under 'Student Exchange Programme'
from 16-02-2022 to 22-02-2022.

Sri B. Chakravarthi
Head of the Department - Zoology
P.R.G.C. (A)

Dr. D. Chenna Rao
Academic Co-ordinator
P.R.G.C. (A)

Dr. P. Hariram Prasad
IQAC Co-ordinator
P.R.G.C. (A)

Dr. B.V. Tirupanyam
Principal
P.R.G.C. (A)



A.S.D. Government Degree College for Women

An Autonomous Institution

Jagannaickpur, Kakinada, Andhra Pradesh-533002

Affiliated to Adikavi Nannaya University, Rajamahendravaram



INTERNAL QUALITY ASSURANCE CELL

ACTIVITY

Between
Department of Zoology
A.S.D. Government Degree College for
Women
&
Department of Zoology
P.R Government College, Kakinada

ASD GOVT. DEGREE COLLEGE FOR WOMEN (A),
(Re- Accredited by NAAC with B Grade)
Jagannaickpur, Kakinada, East Godavari, AP – 533002

Department of Zoology and Aquaculture Technology

2022-2023



**MOU between ASD Government Degree College for
Women, (A) and P.R Government Degree College
Kakinada**

Faculty Exchange Programme

Staff meeting - 6

Dt: 6-6-2022

The departmental staff meeting of Zoology & Aquaculture Technology is held on 06-06-2022 at 3 PM in Zoology Department to discuss about Departmental activities to be conducted in the month of June & July 2022. The following resolutions are made,

1) Resolved to distribute the syllabus & papers among the staff in the following manner for IInd & IV Semester

Paper II - Animal Diversity - Biology of Chordates - Smt. S. Madhavi

Paper IV - Physiology, Cellular metabolism & Embryology -

Smt. M. Vasantha Lakshmi

Paper V - Immunology & Animal Biotechnology - Smt. S. Madhavi

All Aquaculture Technology Papers - Smt. N. Veera Chanti

2) Resolved to subject mapping in OITP as per the departmental time table.

3) Resolved to recruit guest faculty in Zoology against the newly sanctioned post.

RC.No:

4) Resolved to complete theory syllabus for VI Semester students & prepare them for semester end theory examinations which are to be held in the 1st & 2nd week of July 2022.

5) Resolved to complete practical syllabus for VI Semester students & prepare them for the practical examinations which are to be held in the 4th week of June 2022.

6) Resolved to conduct Remedial Coaching for slow learners

before the Semester end examinations Commence (for VI Semester Students).

7) Resolved to provide guidance in PG CET & Ed CET for VI Semester Students.

8) Resolved to Complete VI Semester students study projects

9) Resolved to Complete report writing & evaluation of CSP (for VI Semester Students).

10) Resolved to purchase consumable materials & equipments from special fee funds for the year 2021-2022.

11) Resolved to conduct "blood grouping for all Students in the college" as departmental Best practice.

12) Resolved to Continue the MoU with PR Govt. College (A), Kakinada.

Signatures of members.

1. S. Madh
6/6/2022

2. N. Veera Chaiti

MU 20/06/2022
Signature of Dept in-charge
PROFESSOR-IN-CHARGE,
DEPARTMENT OF ZOOLOGY
P.R. GOVT. COLLEGE FOR WOMEN
KAKINADA-2

V. N. S. A.

PRINCIPAL
A.S.D. GOVT. DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA



PITHAPUR RAJAH'S GOVT. COLLEGE

An Autonomous Institution Accredited By NAAC At Grade 'A' (3.17 CGPA)

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Opp. Mc. Laurin High School, Raja Rammohanroy Road,
KAKINADA - 533 001, E.G.Dt., Andhra Pradesh, India.



Dr. B.V. TIRUPANYAM., Ph.D
PRINCIPAL

Mobile : 91777 86215
Fax & Phone : 0884 - 2387888 (P)
Ph : 0884 - 2379480 (O)

Date: 12/2/2022.....

To
The Principal,
A.S.D. Govt Degree College for Women (Autonomous),
Kakinada.

Madam,

Sub: PRGC(A)-Student Exchange Programme 2022-II B.Sc. Aquaculture Technology girl
students-Allotment for Classwork to A.S.D. Govt Degree College for
Women (Autonomous)-Reg.

Ref: 1) Terms of MoU as agreed upon in the meeting held on 3/2/2022 in the Principal's
Chamber of A.S.D. Govt Degree College for Women, Kakinada
2) Letter of HOD of Zoology & Aquaculture, PRGC (A), dated 11/2/2022 submitting the
list of girl students for Student Exchange Programme

This is to inform you that Department of Zoology & Aquaculture of our College has come forward to send its II B.Sc. Aquaculture Technology students to your College under 'Student Exchange Programme' from 16/2/22 to 23/2/22. The list of students who are allotted for classwork to your college, along with their phone numbers and also syllabus to be covered by your faculty, is attached herewith as Annexure-I.

I thank you whole-heartedly for extending full cooperation in fulfilling the responsibilities of our MoU.

Note: For the smooth conduct of this 'Student Exchange Programme', Lecturer in Zoology of our College, Dr.B.Elia will coordinate with the 'Coordinator' of your College. He can be contacted on his mobile 9441715670.

Thanking you,

Yours sincerely,


Dr. B.V. Tirupanyam
12 Feb 2022

---Copy to the Academic Coordinator, PRGC (A)
---Copy to the IQAC Coordinator, PRGC (A)

PRINCIPAL
P.R. Govt. College (A)
KAKINADA

ASD GOVT DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF ZOOLOGY AND AQUACULTURE TECHNOLOGY

Faculty Exchange Programme (2022-2023)

The Department of Zoology & Aquaculture Technology has conducted a faculty exchange program from 01-09-2022 to 31-08-2023 as a part of an MOU between ASD Government Degree College for Women, (A) and P.R Government College (A) Kakinada. As a part of the faculty exchange program we have conducted Board of Studies Meeting for curriculum framing for the academic year 2022-2023, Guest faculty selections, Guest lectures and Semester Internship Evaluation of the 2022-2023 outgoing batch in both colleges by M.Vasantha Lakshmi, Lecturer In-Charge of Zoology, ASD GDC (W)(A), Kakinada and B. Chakravarthi, Lecturer In-Charge of Zoology, PR GOVT College (A), Kakinada.

Objective of the program is to share the knowledge and skills in academics of both colleges alongwith providing support in non-academic activities.



Guest lecture by M.Vasantha Lakshmi, Lecturer In-Charge of Zoology, ASD GDC (W) (A), Kakinada on 23-09-2022



PITHAPUR RAJAH'S GOVERNMENT COLLEGE [A]:: KAKINADA
[A NAAC "A" grade accredited institute affiliated to Adikavi Nannaya University]

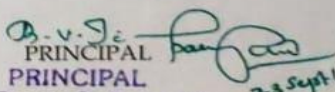
Re. No. SPL/ZOOLOGY

Date: 23.09.2022

ATTENDANCE CERTIFICATE

This is to certify that Smt. M.VASANTHA LAKSHMI Lecturer in Zoology, ASD GDC W (A), KAKINADA, has given a Guest Lecture on "DEVELOPMENT OF FROG- EMBRYOLOGICAL ASPECTS" Organised by the Department of Zoology & Aquaculture on 23.09.2022. College management, Faculty and Students greatly appreciated the invited talk.

Kakinada,
23.09.2022.



PRINCIPAL
PRINCIPAL
P.R.Govt. College (A),
KAKINADA
23 Sept 2022

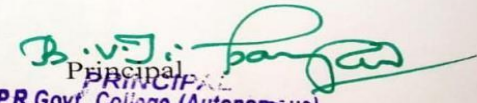
Attendance certificate of M.Vasantha Lakshmi Lecturer in Zoology, ASD GDC (W)(A) Kakinada for Guest Lecture at PR GDC (A) Kakinada on 23-09-2022

O/o
The Principal,
PR. Government College (A),
Kakinada'.

ATTENDANCE CERTIFICATE

This is to certify that Smt. M. Vasantha Lakshmi , Lecturer in Zoology, ASD Govt. Degree College for women (A), Kakinada, has participated in Board of Studies meeting in Aquaculture technology (B.Sc, CZAC) and B. Voc Commercial Aquaculture at PR. Government College (A), Kakinada, on 05-11-2022.


Convener
5/11/2022
Board of studies


Principal
P.R.Govt. College (Autonomous)
P. R. Government College (Autonomous),
KAKINADA

Attendance certificate of M.Vasantha Lakshmi Lecturer in Zoology, ASD GDC (W) (A) Kakinada for BoS meeting in B.Sc., Aquaculture Technology & B.Voc Commercial Aquaculture at PR GDC (A) Kakinada on 05-11-2022



Guest faculty selection at ASD GDC (W)(A) by B.Chakravarthi, Lecturer In-Charge of Zoology, PR GOVT College (A),Kakinada on 07-08-2023



Guest lecture by B.Chakravarthi, Lecturer In-Charge of Zoology, PR GOVT College (A),
Kakinada on 07-08-2023 at ASD GDC (W)(A),Kakinada




Semester Internship Evaluation by B.Chakravarthi, Lecturer In-Charge of Zoology, PR GOVT
College (A), Kakinada on 07-08-2023 at ASD GDC (W)(A),Kakinada

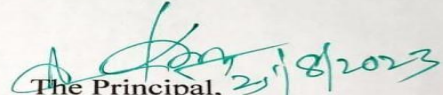
O/o
The Principal,
P.R. Government College(A),
KAKINADA.

ATTENDANCE CERTIFICATE

This is to certify that Mt. M. Vasanthha Lakshmi - Head of the Dept of Zoology
Lecturer in Zoology, ASD Govt. College (A) Kakinada, has attended
the Board of Studies meeting of B.Sc., Zoology in this college on 31-08-2023.


Convenor 31/8/2023

B. CHAKRAVARTHI
B.Sc. (Ph.D.)
LECTURER-IN CHARGE
DEPT OF ZOOLOGY & AQUACULTURE
P.R. GOVT. COLLEGE (A)
KAKINADA-533001


The Principal, 31/8/2023

B. CHAKRAVARTHI
P.R. Govt. College (A)
LECTURER-IN CHARGE
DEPT OF ZOOLOGY & AQUACULTURE
P.R. GOVT. COLLEGE (A)
KAKINADA-533001

Attendance certificate of M. Vasantha Lakshmi Lecturer in Zoology, ASD GDC (W) (A)
Kakinada for BoS meeting in B.Sc., Zoology at PR GDC (A) Kakinada
On 31-08-2023