



Chowgule Education Society's
**Parvatibai Chowgule College of Arts and Science
(Autonomous)**

Accredited by NAAC with Grade 'A+'
Best Affiliated College-Goa University Silver Jubilee Year Award



Evidence

3.1.3 Teachers awarded National/International fellowship for advanced studies/ research during the year

2022-2023

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Report on Faculty Enrichment Internship Program at IIT-Goa.

Introduction:

I completed faculty enrichment internship program at IIT-Goa campus from 9th January to 28th April 2023. The program was an incredible opportunity for me to gain practical experience, enhance my teaching skills and learn about the teaching practices followed in the institution. In this report, I will provide a summary of my internship experience, including my job responsibilities, the skills and knowledge I gained during the internship program.

Job Responsibilities:

During my internship period, I was assigned as a Teaching Assistant for Computer Networks Course[CS212]. I also had the opportunity to observe classroom instruction and attend other courses such as Algorithm Design and Compiler Design. The tasks and responsibilities as a Teaching Assistant included grading for assignments, tests, quizzes and practical exams for the course and provide feedback to students. I was also given an opportunity to collaborate with other Research Scholars and Teaching Assistants which allowed me to gain a better understanding of teaching and evaluation practices followed in the institution. The detailed report of week wise activities is included in this report.

Skills and Knowledge Gained:

Throughout my internship, I gained valuable skills and knowledge that I believe will be useful in my future career. Some of the skills and knowledge I gained include:

1. Improved Instructional skills and techniques by observing experienced teachers in my subject area and noting their instructional strategies and techniques by watching how they interact with students, design lesson plans, and provide feedback.
2. Use of technology tools to enhance teaching, such as online quizzes and interactive learning tools and Incorporating real-world examples and applications into lesson plans to help students understand how the material relates.
3. Encouraging students to discuss the material and work collaboratively in groups and providing students with timely and constructive feedback on their assignments and tests.
4. Attended training sessions, workshops and Presentations that exposed me to different research methods and designs used by scholars in the field.
5. Gained greater understanding of student diversity and learning styles.

Weekly Report :

Sr. No.	Details of the work
Note :	Attended three lectures each per week in the following courses : <ol style="list-style-type: none">1. CS212 - Computer Networks Theory and Labs2. CS222 - Algorithm Design3. CS311 - Compiler Design
Week 1	<ol style="list-style-type: none">1. Orientation by Prof. V.V. Kamat and Dr. Sreejith A.V., Programmer Coordinator of School of Mathematics and Computer Science, IIT Goa. Interacted with various faculty members from the School of Mathematics and Computer Science, IIT Goa to understand the Undergraduate Course Curriculum and its course structure.2. Attended Lectures in various courses such as Machine Learning, Algorithm Design, Computer Networks and Coding Theory.3. Conducted Quiz of CS222 Algorithm Design course.
Week 2	<ol style="list-style-type: none">1. Assigned as a Teaching Assistant for Computer Network [CS212] course.2. Graded Lab Assignment on Networking Tools.3. Graded Quiz on Basics of Computer Networks.
Week 3	<ol style="list-style-type: none">1. Implemented Lab Assignment on Sockets.2. Graded Quiz on Performance of Networks
Week 4	Graded Lab Assignment on Sockets.

Sr. No.	Details of the work
Week 5	<ol style="list-style-type: none"> 1. Implemented Lab Assignment on Principles of Reliable Data Transfer 2. Attended Pedagogy Seminar Talk by Dr. Aaloka Kanhere titled History in a mathematics classroom. 3. Attended Seminar talk on Neural Interval Abstraction.
Week 6	Graded Lab Assignment on Principles of Reliable Data Transfer.
Week 7	<ol style="list-style-type: none"> 1. Graded Quiz on Reliable Data Transfer 2. Prepared answer key for Mid Semester examination for Computer Network [CS212] course. 3. Evaluated answers sheets for Mid Semester examination for Computer Network [CS212] course.
Week 8	Implemented Lab Assignment on Sliding Window Protocols
Week 9	Graded Lab Assignment on Sliding Window Protocols.
Week 10	Participated in a Paper Discussion on Paper “The Wisdom of practice : Lessons learned from the study of Highly Effective Tutors”.
Week 11	Attended Students Presentations in Computer Network [CS212] course.
Week 12	Attended Students Presentations in Computer Network [CS212] course. Implemented Lab Assignment on HTTP, Web and DNS
Week 13	Graded Lab Assignment on HTTP, Web and DNS.
Week 14	Prepared answer key for Semester end examination for Computer Network [CS212] course.
Week 15	Evaluated answers sheets for Semester end examination for Computer Network [CS212] course.

Sr. No.	Details of the work
Week 16	<ol style="list-style-type: none"> 1. Discussed solutions and answered queries of the students with respect to the answers of semester end examinations. 2. Verification of marks for all the evaluation conducted by me. 3. Exit meeting with all the faculty members of the School of Mathematics and Computer Science, IIT Goa to discuss the overall experience and feedback of the FEIP.

Overall Experience:

My internship experience at IIT-Goa was extremely positive. I was able to work with a talented team of faculty and staff and enhance my teaching skills. I also had the opportunity to participate in various professional development activities, which helped me grow both personally and professionally.

Conclusion:

In conclusion, my internship program at IIT-Goa was an excellent opportunity for me to gain practical experience and enhance my teaching skills. I am grateful for the experience and the knowledge and skills I gained during my time there.

भारतीय प्रौद्योगिकी संस्थान गोवा
गोवा अभियांत्रिकी महाविद्यालय परिसर, फार्मागुडी, फ़ोंडा - 403401, गोवा

Indian Institute of Technology Goa
Goa College of Engineering Campus, Farmagudi, Ponda - 403401, Goa



IIT Goa

Outward No:-IITGOA/SMCS/CSE/01

Dated: 28th April, 2023

RELIEVING ORDER

In accordance with letter No. DHE/RDSI/FEIP/2022/30663, Dated /1/2023, received from the Directorate of Higher Education, Government of Goa, following faculty members

Sr. No	Faculty Intern	College	Course	Course Faculty
1	Dikshita Aroskar	Parvatibai Chaowgule College of Arts and Science, Goa	CS212 Computer Network CS311 Compiler Design CS222 Algorithm Design	Neha Karanjkar Sudakshina Dutta Rahul C.S. Arpita Korwar
2	Pratik Korkankar	Dnyanprassarak Mandals College and Research Centre, Assagao, Goa	CS311 Compiler Design CS331-CS530 Machine Learning	Sudakshina Dutta Satyanath Bhat
3	Mahesh Gawkhare	Government College of Arts, Science Commerce, Quepem - Goa	CS425 Algebraic Coding Theory and Cryptography MA306 Topology	Rahul C.S, Arpita Korwar Shiv Prasad
4	Pooja Dalvi	Government College of Arts, Science Commerce, Khandola, Marcela - Goa	CS331-CS530 Machine Learning CS431 Optimization-Theory and Algorithms CS435 Deep Learning and Computer Vision	Satyanath Bhat Divya Padmanabhan Shitala Prasad
5	Pooja Naik	Government College of Arts, Science Commerce, Saquelim, Marcela - Goa	CS222 Algorithm Design CS212 Computer Networks	Rahul C.S. Arpita Korwar, Neha Karanjkar

have successfully completed four months of Faculty Enrichment Internship Program (FEIP) at IIT Goa under the mentorship of the respective course faculty, during the period 9th January 2023 to 28th April 2023. They are now being relieved from their assigned duties at IIT Goa w. e. f. 28th April 2023 (A.N.).

FEIP Program, IIT Goa

To
Shri. Prasad Lodayekar, IAS
Director, (Higher Education)
Directorate of Higher Education, Government of Goa,

Copy to:

1. Dikshita Aroskar, Parvatibai Chaowgule College of Arts and Science, Goa
2. Pratik Korkankar, Dnyanprassarak Mandals College and Research Centre, Assagao, Goa
3. Mahesh Gawkhare, Government College of Arts, Science Commerce, Quepem - Goa
4. Pooja Dalvi, Government College of Arts, Science Commerce, Khandola, Marcela - Goa
5. Pooja Naik, Government College of Arts, Science Commerce, Saquelim, Marcela - Goa

**PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS) - GOGOL, MARGAO-GOA
DEPARTMENT OF COMPUTER SCIENCE**

(Highlight the appropriate: Workshop/ Conference/Seminar/ Industry-Academia /Extension activity)

(Highlight the appropriate for Community outreach: Social service in terms of impact and sensitizing students to social issues of gender/hygiene/ nutrition/ domestic violence /environment/ community assistance etc)

<u>Report</u> <u>on</u> <u>Faculty Enrichment Internship Program-"Artificial Intelligence(AI)" at IIT GOA</u>	
Title:	Faculty Enrichment Internship Program on Artificial Intelligence(AI)
Date and year:	22nd August 2022 to 23rd December 2022.
Venue:	IIT GOA
Resource person/s:	
Organising Committee	Directorate of Higher Education
No. of Participants	04
Objective:	Faculty Enrichment Internship Program, intends to provide opportunities to faculty from Goa to develop effective teaching pedagogies, enhance and build research collaborations, and replicate this culture in HEIs in Goa.
Summary of the proceedings	<p>I was deputed for Faculty Enrichment Internship Programme(FEIP) at IIT GOA on 22nd August 2022 till 23rd December 2022. Following are the two courses attended during this period: Artificial Intelligence(AI) as the main course, and probability and Statistics (a prerequisite paper for AI). During this internship period I have also attended tutorial on "MOSS Plagerism checker". The aim of this tutorial to demonstrate and teach usage of MOSS Plagerism checker on students assignments</p> <p>The following are the Duties assigned to me by the faculty mentor:</p> <ul style="list-style-type: none"> • Attending theory lectures. • Watching pre-recorded lecture videos by Dr. Divya Padmanabhan and Berkely University Professors. • Engaging Practicals. • Learning and implementing lab assignments (projects) before conducting an evaluation. • Preparing rubrics for the lab/theory assignments. • Preparing answer keys for theory assignments. • Evaluation of theory Assignments. • Evaluation of practical Assignments.

- Conducting vivas.
- Emailing marks to the students.
- Plagiarism check.
- Solving difficulties/answering queries during lab hours.

Photographs

