



Indian Institute of Space Science and Technology

Thiruvananthapuram 695 547

Department of Humanities and Social Sciences

Academic Audit Report

2018-2019

Academic audit committee

Internal members

Sl.No.	Faculty Name	Role
1	Dr. C. S. Shaijumon, Associate Professor, Humanities and Social Sciences	Chairman
2	Dr. Gigy. J. Alex, Associate Professor, Humanities and Social Sciences	Convenor
3	Dr. K. Prabhakaran, Professor, Chemistry	Member

External members

Sl. No.	Name	Designation	Email	Mobile	Name of the Institute	Role
1	Prof. S R Sheeja	Professor & Head	sheejasunil99@gmail.com	9497211518	University of Kerala	Member
2	Dr. Sathyaraj Venkatesan	Professor	sathya@nitt.edu	09894568617	NIT Trichy	Member

I Department profile

1	No. of Permanent Faculty Members	5
2	No. of Adjunct Faculty Members	0
3	No. of Contract Faculty Members	0
4	No. of Guest Faculty Members	0
5	No. of Emeritus Professors / Visiting Faculty Members	2
6	No. of Technical Staff / Tutors (Permanent)	0
7	No. of Technical Staff / Tutors (Contract)	3

8	No. of JRFs/ SRF/ JPF (excluding PhD students)	13
9	No. of Project Fellows	2
10	No. of Research Associates	0
11	No. of Post Doctoral Fellows	1

II Details of academic programmes and student strength in numbers

A. Undergraduate/ Dual Degree / Postgraduate programmes

Sl. No.	Programme	Year	Sanctioned strength in the academic year	Student strength in the academic year (At the start of even semester)	Female student strength in the academic year	No. of passed out Students	Pass Percentage
1			0	0	0	0	0.00
Total			0	0	0	0	

B. Details of Student Demand Ratio

Programme	No. of students applied	No. of students admitted	Comments	Suggestions
	0	0		

C. Doctoral Degree

PhD	During the academic year			Degree awarded
	Sanctioned seats	No. of students admitted	Current student strength	
PART TIME	3	3	6	0
FULL TIME	10	10	21	2
Total	13	13	27	2

III Details of core courses and electives in each programme

Sl. No.	Programme Name	Course code	Course name	Core/ Elective	Credits assigned	As per curriculum revision/ newly added elective course/ syllabus revised
1	B.Tech.: Aerospace Engineering	HS461	Science Fiction	Institute Elective	3	NA
2	B.Tech.: Aerospace Engineering	HS462	Visual Communication	Institute Elective	3	NA
3	B.Tech.: Aerospace Engineering	HS461	Science Fiction	Elective	3	NA

4	B.Tech.: Aerospace Engineering	HS462	Visual Communication	Elective	3	NA
5	B.Tech.: Aerospace Engineering	HS321	Principles of Management Systems	Core	3	NA
6	B.Tech.: Aerospace Engineering	HS211	Introduction to Economics	Core	2	NA
7	B.Tech.: Aerospace Engineering	HS221	Introduction to Social Science and Ethics	Core	2	NA
8	B.Tech.: Aerospace Engineering	HS111	Communication Skills	Core	3	NA
9	B.Tech.: Avionics	HS461	Science Fiction	Institute Elective	3	NA
10	B.Tech.: Avionics	HS462	Visual Communication	Institute Elective	3	NA
11	B.Tech.: Avionics	HS321	Principles of Management Systems	Core	3	NA
12	B.Tech.: Avionics	HS212	Introduction to Social Science and Ethics	Core	2	NA
13	B.Tech.: Avionics	HS222	Introduction to Economics	Core	2	NA
14	B.Tech.: Electronics and Communication Engineering(Avionics)	HS111	Communication Skills	Core	3	NA
15	Dual Degree: Astronomy & Astrophysics	HS461	Science Fiction	Institute Elective	3	NA
16	Dual Degree: Astronomy & Astrophysics	HS462	Visual Communication	Institute Elective	3	NA
17	Dual Degree: Solid State Physics	HS462	Visual Communication	Institute Elective	3	NA
18	Dual Degree: Engineering Physics	HS311	Principles of Management Systems	Core	3	NA
19	Dual Degree: Engineering Physics	HS211	Introduction to Economics	Core	2	NA
20	Dual Degree: Engineering Physics	HS221	Introduction to Social Science and Ethics	Core	2	NA
21	Dual Degree: Engineering Physics	HS111	Communication Skills	Core	3	NA
22	Ph.D.: Course Work - January	HSM811	Critical Theories and Statistical Methods	Credited	3	NA
23	Ph.D.: Course Work - July	HS 811	Sociological Theories	Credited	3	NA
24	Ph.D.: Course Work - July	HS 824	Technology , Culture and Society	Credited	3	NA
25	Ph.D.: Course Work - July	HSM812	Critical Theories and Statistical Methods	Credited	3	NA

IV Review on Curriculum

Criteria	Response	Revision made during this academic year	Comments on curriculum, if any	Suggestions for improvement
Qualitative comment on the content of the curriculum	VERYGOOD	no	The curriculum is designed to cater to the needs and demands of students of a technical institute. After consulting the expert members from Board of Studies and also by taking cues from IITs and NITs we are incorporating timely changes	

V Review on Teaching, Learning and Evaluation

Sl. No.	Criteria	Response based on criteria	Comments	Suggestions
1	Any innovative teaching methods/aids adopted?	Yes	innovative methods for communication skills, making use of songs, videos, interactive platforms, and multimedia feedback system language lab and audio-visual lab	
2	Is any e-learning modules developed?	Yes	test book on communication skills by Dr. Babitha Justina and Bhavya Thampy e-learning module based on Ted talks	
3	Student evaluation procedure			
	Criteria	Response	Comments	Suggestions
	Course evaluation	Internal	mid sem and end-sem exams	
	Project evaluation	Internal	Students have to take contemporary topics for presentations, which will be evaluated by a team	
4	Evaluation components			
	Criteria	Response	Comments	Suggestions
	Theory	Continuous assesment and end semester exam, Continuous assesment and course project		
	Lab	Continuous assesment and end semester exam, Continuous assesment and course project		
	Project/ Internship/ Seminar	Final evaluation		

5 Continuous Assessment Components			
	Theory	Quiz I Quiz II Others - End semester Exam	along with quizzes, there are surprise tests, announced tests, and assignments, presentations are also included
	Lab	Class exercise evaluation End Semester Examination	role plays, mock interviews, GDs will be conducted for class exercise evaluation and also a presentation for the semester examination
6	Is there any remedial coaching to support weak performers?	Yes	Remedial sessions and tutorial classes are conducted. Weak students are regularly monitored to assess and guide them
7	Is academic feedback from students taken regularly?	Yes	student feedback plays a key role in motivating the faculty members and also to make timely changes in the syllabus
8	What are the steps taken based on student's feedback?	creative and critical suggestions related to curriculum and teaching methods are implemented	improvements in the style of teaching, suggestions related to contemporary topics for discussion,
9	Is Class committee meetings conducted?		yes, though the core programmes have class committees, our department members are part of it. there are regular course committee meetings and group presentations of our PhD scholars to discuss their topics, publications . Our research scholars also assist in teaching and department-related activities

VI Department faculty credentials

Sl. No.	Criteria	Response	Comments	Suggestions
1	Percentage of faculty with PhD	100		
2	No. of journal articles published	11		
3	No. of books published	2		
4	No. of book chapters published	0		
5	No. of invited talks/ conferences/ workshops attended	16		
6	No. of research projects funded by IIST	2		
7	No. of research projects funded through ASRG/IIST-ISRO/DoS	1		
8	No. of externally funded research projects like CSIR, DST, DRDO etc.	1		
9	No. of patents published/awarded	0		
10	No. of patents filed	0		
11	No. of faculty/student awards received	1	Dr Lekshmi V. Nair, Best paper published by Kerala Sociological Society	
12	No. of conferences/Workshops/seminars/Colloquium Organized	0		
13	No. of conference paper published	9	conference proceedings	

14	No. of visits made by the faculty/ student for research collaborations/ invited talks/conferences abroad	0		
15	No. of Industry collaborative projects	0		
16	No. of ISRO mission related projects/ activities	0		
17	No. of consultancy services entertained		Faculty members are part of the expert panel of various state level and national level organizations, they are part of the board of studies of various universities, they also offer the expert feedback for the doctoral committees of students	

VIII Details of student co-curricular activities

Criteria	Response	Comments	Suggestions
Whether students are involved in extra curricular & co-curricular activities?		Our students actively participate in the annual cultural festival and technical festival. They also have shown interest in sports and participation in the annual sports day.	
Whether students are doing internship abroad?			
Whether students are doing internship at national academic institutes / universities?		Our students take courses and internships from national institutes like University of Kerala and JNU. Many students from reputed institutes like IISERs, NITs, state universities, and central universities come to our department for internships. Students who have got scholarships like Aspire also come to our departments. These interns after the completion of their project work submit a report and present their work before the department.	
Whether students are doing internship at ISRO/ Industries/ R&D institutes?			

Whether the department conducts outreach programs?	Yes, NIRMAAN is the outreach programme initiated by Prof Lekshmi V. Nair from Dept of HSS. The department plays an active part in conducting outreach programmes. Many of the research scholars and teachers are active members. As part of various courses they constantly conduct field visits and surveys, and some of our students have also made documentaries as well.
Whether department has alumni activities?	Yes, Alumni meet of our scholars are held both online and offline. They offer guidance to the current scholars in securing scholarships and applying for collaborations. They also participate in induction programs of the institute.

IX Details of placement/ higher studies of students

Criteria	UG	PG	PhD	Comments	Suggestions
No. of students placed	0	0	2	Dr Sabu M joined as HSST Economics at Peruvallur, Malappuram Dr Jayalekshmi joined as Assistant Professor at Govt arts & science college, Thrithala in June 2019 Dr Rashmi M joined as Assistant Professor at Dept of Humanities and Social Sciences, VIT in 2018	
No. of students opted for higher studies	0	0	0		
No. of students cleared GATE/ SLET/ NET/ CSIR/ UGC/ Others etc.	0	0	10		

X Infrastructure in the Department

Sl. No.	Criteria	Response	Comments	Suggestions
1	No. of classrooms	0		
2	No. of seminar/ conference rooms	2		
3	No. of instruction labs	2		
4	No. of research labs	0		
5	No. of full-fledged e-learning classrooms	0		
6	No. of computing labs	1		

7	Is there any lab with potential for centre of excellence?	AV lab and Language lab	
8	Is there any labs sponsored by external agency?	No	
9	Inter-disciplinary research facility		As we have faculty members from various disciplines, greater thrust is given to interdisciplinary research. Our faculty and scholars publish their articles with scholars and faculty from other departments as well. Equip the facility with state-of-the-art technology and research tools relevant to humanities and social sciences research, such as digital archives, data analysis software, and multimedia production studios. We have an advisory board comprising faculty members, researchers, and external experts to provide strategic guidance and oversight. We have research programs that encourage collaboration across disciplines, fostering cross-pollination of ideas and methodologies.
10	Is there any common amenities like restroom, recreation club, etc.?		There is a recreation room and discussion room available used for academic and non-academic discussions and celebrations. These rooms undergo constant updating improving their technological capabilities.
11	Is there any facilities for differently abled?		ramp and lift facility available
12	Is there any Department library?		Yes, ours is a comparatively smaller interdisciplinary department that has a library with books on Economics, English, Management, Sociology, and other relevant subjects.

XII Additional Information

1.	Does the curriculum of each programme offered by the department provide the Programme Educational Objectives (PEOs)/Programme Specific Outcomes (PSOs) and Programme Outcomes (POs)?	Yes
2.	Do the courses offered in each programme by the department provide the Course Objectives and Course Outcomes (COs) written in clear terms?	Yes
3.	Give the status of adopting Choice Based Credit System (CBCS) in the programmes offered by the department	Implemented
4.	Give the status of adopting Objective Based Education (OBE) in the programmes offered by the department.	Action Initiated
5.	Satisfaction level of support of academic, administrative, and other support units of the institution	
6.	The status of taking feedback from stakeholders and expert groups for revision and design of curriculum of a programme.	
7.	The list of extension programmes conducted by the department	

8.	List Faculty Development Programme conducted (any programme aiming at updating the knowledge of faculty of the department).	
9.	Does students take projects involving Field work/Survey. If yes, give the list.	Yes, for conducting their research students regularly conduct field visits, and surveys.
10.	The List of MoU and MoAs, that are currently operational during the year.	
11.	Detail the mechanism adopted to help academically disadvantaged students to cope with academic requirements	Regular meetings with academic counsellors and mentors to set academic goals, track progress, and provide guidance. Access to tutoring services tailored to their academic weaknesses, whether through peer tutoring programs, faculty office hours, or pro
12.	Detail the mechanism adopted to help students who perform very much below the class averages	Foster a supportive peer environment through mentorship programs where academically successful students mentor disadvantaged students. This can help build confidence, motivation, and a sense of belonging.
13.	The total grant/revenue generated/received from different agencies by the department conducting research projects/consultancy services during the year.	
14.	The suggestions to improve the efficiency and effectiveness of the IIST system.	

XIII Strength of the Department (maximum 150 words)

1. The department has four subcategories: Sociology, Economics, Management and English. This gives an interdisciplinary impact to our research and projects. 2. Research expertise and teaching experience of faculty members play a cumulative impact in strengthening our department. 3. As we have scholars from multiple areas this diversity enriches research potential of our department by bringing together different perspectives, methods, and knowledge from various fields. 4. The interdisciplinary methods enhance our evaluation methods

XIV Weakness of the Department (maximum 150 words)

1. A strong department needs both UG and PG programs for its healthy growth. In a technical institute, Dept of Humanities and Social Sciences could attract students only by strong UG and PG programs. 2. We have a limited number of faculty members.

XV Challenges (maximum 150 words)

1. To excel in a space science and technology institution where the major thrust is on science and technology humanities programs may get a supportive role initially. However that challenge has been converted into an opportunity by the faculty members. 2. Another challenge that we face is the smaller number of courses 3. We have no common programs for M.Tech students

XVI Opportunities (maximum 150 words)

1. The students are closer to Humanities faculty members, and as we teach communication, ethics, and economic policies, discussions on contemporary topics make our classes more lively 2. Ours is the only department that has initiated a literary journal in 2014. Surabhi, the bi-annual journal provides an opportunity to all students of IIST and employees of Department of Space to showcase their literary talents.

XVII Any other details relevant to the department

Our Department spearheads the outreach activities of the institute. The activities initiated by the department for community engagements and outreach are very much active. Undergraduate, postgraduate, and doctoral students actively participate in that. Our Department has organized a lot of FDPs on academic writing and publishing and life skills management.

Final Recommendations

Based on the information provided and the context of an academic audit committee's final recommendations, the committee suggested to 1. Give more credits and thrust to each and every contributions made by each member of the department of HSS 2. To review academic programs, teaching quality, student outcomes, and institutional effectiveness. 3. To highlight accomplishments, recognize areas of strength, excellence in teaching and research, successful initiatives, and positive outcomes. 4. The committee also suggested to identify and commend best practices that contribute to academic excellence, student success, and institutional reputation.

On the day of visit, the team verified all the documents and records available in the department and evaluated the academic process. A detailed report of the audit is given above. The report is signed by the following:

Signature of Committee Members

1 **Dr. C. S. Shaijumon,**
Associate Professor
Humanities and Social
Sciences:



2 **Dr. Gigy. J. Alex**
Associate Professor
Humanities and Social
Sciences:



3 **Dr. K. Prabhakaran,**
Professor, Chemistry:



4 **Prof. S R Sheeja**
Professor & Head
University of Kerala:



5 **Dr. Sathyaraj**
Venkatesan, Professor.
NIT Trichy:

Approved by



Dean Academics,
IIST

प्रोफ. कुरुविला जोसफ/Prof. Kuruvilla Joseph
डीन (शैक्षिकी), आईआईएसटी
Dean (Academics), IIST