

Thiruvananthapuram 695 547 Department of Humanities and Social Sciences Academic Audit Report 2019-2020

Academic audit committee

Internal members					
SI.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								
SI. 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			

þ	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	0				
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)	3
9	No. of Project Fellows	2
10	No. of Research Associates	2
11	No. of Post Doctoral Fellows	2

II Details of academic programmes and student strength in numbers

A .Undergraduate/ Dual Degree / Postgraduate programmes

SI. 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	students	No. of students admitted	Comments	Suggestions			
	0	0					

C. Doctoral Degree					
		During the academic yea	r		
PhD	Sanctioned seats	No. of students admitted	Current student strength	Degree awarded	
PART TIME	3	3	6	0	
FULL TIME	8	8	21	2	
Total	11	11	27	2	

III Details of core courses and electives in each programme								
SI. 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	HS466	Space Economics and Policy	Institute Elective	2			
2	B.Tech.: Aerospace Engineering	HS467	Entrepreneurship and Innovation	Institute Elective	2			
3	B.Tech.: Aerospace Engineering	HS468	Food and Cultural Studies	Institute Elective	2			

4	B.Tech.: Aerospace Engineering	HS461	Science Fiction	Institute Elective	3	
5	B.Tech.: Aerospace Engineering	HS462	Visual Communication	Institute Elective	3	
6	B.Tech.: Aerospace Engineering	HS321	Principles of Management Systems	Core	3	
7	B.Tech.: Aerospace Engineering	HS211	Introduction to Economics	Core	2	
8	B.Tech.: Aerospace Engineering	HS221	Introduction to Social Science and Ethics	Core	2	
9	B.Tech.: Aerospace Engineering	HS111	Communication Skills	Core	3	
10	B.Tech.: Avionics	HS466	Space Economics and Policy	Institute Elective	2	
11	B.Tech.: Avionics	HS467	Entrepreneurship and Innovation	Institute Elective	2	Y
12	B.Tech.: Avionics	HS468	Food and Cultural Studies	Institute Elective	2	
13	B.Tech.: Avionics	HS321	Principles of Management Systems	Core	3	
14	B.Tech.: Electronics and Communication Engineering(Avionics)	HS212	Introduction to Social Science and Ethics	Core	2	in in the
15	B.Tech.: Electronics and Communication Engineering(Avionics)	HS222	Introduction to Economics	Core	2	
16	B.Tech.: Electronics and Communication Engineering(Avionics)	HS111	Communication Skills	Core	3	
17	Dual Degree: Astronomy & Astrophysics	HS466	Space Economics and Policy	Elective	2	
18	Dual Degree: Engineering Physics	HS311	Principles of Management Systems	Core	3	-S. in Batin (1
19	Dual Degree: Engineering Physics	HS461	Science Fiction	Institute Elective	3	111111111111
20	Dual Degree: Engineering Physics	HS462	Visual Communication	Institute Elective	3	
21	Dual Degree: Engineering Physics	HS211	Introduction to Economics	Core	2	
22	Dual Degree: Engineering Physics	HS221	Introduction to Social Science and Ethics	Core	2	
23	Dual Degree: Engineering Physics	HS111	Communication Skills	Core	3	

	IV Revie	ew on Curricu	ılum	
Criteria	Reponse	Revision made during this academic year	Comments on curriculum, if any	Suggestions for improvement

Qualitative comment on the content of the curriculum	VERYGOOD	no	This curriculum provides a well- structured and engaging learning experience. It has a balanced structure that promotes organic learning through case studies, problem- based learning and uses multi-sensory aids. We incorporate timely changes and updat	
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SI. No.	Criteria	Response based on criteria	Comments	Suggestions
1	Any innovative teaching methods/aids adopted?		Students are also taught creative writing through courses like Science fiction where students are as asked to write short stories, critical reviews and poems. For courses like Visual communication, they have to conduct museum visits and they make documentaries and short films also.	
2	Is any e-learning modules developed?		E content for language lab, where students can improve their listening speaking reading and writing skills. Communication Skills course depends to a wide range of e- learning sources	đ
3	Student evaluation pro	cedure		
	Criteria	Response	Comments	Suggestions
Course	e evaluation	Internal External	we have mid-semester quizzes and end semester exams. Incorporating quizzes, projects, presentations, and assignments provides a well- rounded evaluation approach. This variety allows for assessing different aspects of student learning, including knowledge retention, practical application, communication skills, and project management abilities.	
Project	t evaluation	Internal 11910 States On the was	Project is mandatory for all courses.	
4	Evaluation component	S then we are		1
	Criteria	Response	Comments	Suggestion

		1		
	Theory	Continuous assesment and end semester exam, Continuous assesment and course project	Ensure that assessments are integrated seamlessly with the curriculum, reinforcing key concepts and skills taught in the course. This integration helps students see the relevance of assessments to their overall learning experience.	
	Lab	Continuous assesment and course project	Be open to refining the assessment procedure based on feedback from both students and instructors. Flexibility allows for adjustments that better cater to students learning needs and evolving educational trends	¢
'roject/	Internship/ Seminar	Final evaluation	Ensure that the weightage given to each assessment method reflects its importance in assessing different learning outcomes. For instance, projects and presentations might carry more weight to emphasize practical skills, while quizzes could focus on foundational knowledge.	
5 0	Continuous Assessm	ent Components		
			a well-designed evaluation procedure that includes quizzes, projects, presentations, and	
	Theory	Quiz I Quiz II	assignments offers a robust framework for assessing students comprehensive understanding and skills	
	Theory		framework for assessing students comprehensive	
	Theory	Quiz II	framework for assessing students comprehensive understanding and skills development. By ensuring clarity, balance, alignment with learning objectives, and flexibility, the institute can create a conducive learning environment that supports student success in technical education. We have developed clear assessment criteria or rubrics for each type of task or activity. Clearly define what constitutes proficient performance for each skill being assessed. We share the rubrics with students beforehand so they understand how they will be evaluated. This transparency helps	
	с ,	Quiz II Others - surprise tests, assignments Class exercise evaluation & End Semester Examination assessment based on individual and team presentations, Group discussions	framework for assessing students comprehensive understanding and skills development. By ensuring clarity, balance, alignment with learning objectives, and flexibility, the institute can create a conducive learning environment that supports student success in technical education. We have developed clear assessment criteria or rubrics for each type of task or activity. Clearly define what constitutes proficient performance for each skill being assessed. We share the rubrics with students beforehand so they understand how they will be	

			v. (*)
			Students could assess and give
			feedback to their teachers.
			Through structured surveys that
			include both quantitative and
			qualitative (open-ended questions)
			components. Surveys can be
	Is academic feedback		conducted electronically or on
,	from students taken	Yes	paper, depending on accessibility
	regularly?		and preferences. We have also
			focus group sessions with small
			groups of students to delve deeper
			into specific issues or gather more
			detailed qualitative feedback. This
			allows for interactive discussions
			and brainstorming.
			Our institution prioritizes and
			values and prioritizes student
			feedback. Provide training and
			resources for instructors to
			effectively collect, analyze, and act
			upon feedback. By systematically
		Teachers always take creative	collecting and utilizing academic
	What are the steps	suggestions and feedback positively.	feedback from students, institutions
3	taken based on	Timely suggestions related to topics are	can enhance teaching quality,
	student's feedback?	also taken care of	improve learning outcomes, and
			foster a more collaborative and
	1.1.1.1		supportive educational
			environment. Regular feedback
	EX-1		loops help to create a responsive
			and adaptive approach to teaching
			and learning.

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		Class Committee Meetings provide
		a structured platform for students
		to voice their opinions, concerns,
		and suggestions regarding various
		aspects of their courses.
		Representing the student body,
		committees ensure that feedback
		reflects the diverse needs and
		experiences of students,
		contributing to more inclusive and
		comprehensive improvements. By
		convening regularly, committees
		facilitate ongoing dialogue between
		students and faculty/administration,
		enabling continuous assessment
		and refinement of course content,
		delivery methods, and learning
		experiences. Class Committee
Is Class committe		Meetings 22- 23 Rapid changes in
9 meetings conduct		educational trends and student
meetings conduc	led	expectations can be promptly
		addressed through timely feedback
		and agile adjustments to course
		structures and materials. Involving
1	TTD contract of	students in decision-making
		processes empowers them to take
·		ownership of their educational
		experiences and outcomes.
		Knowing their voices are heard and
		their input valued, students are
		more likely to engage actively in
		their studies and contribute
×		positively to the academic
		community. Committees foster a
		sense of community among
	in the second se	students by promoting
	the second se	collaboration and collective
	the second second second second	responsibility for academic
	and the second	excellence.

VI Department faculty credentials				
SI. No	Criteria	Response	Comments	Suggestions
1	Percentage of faculty with PhD	100		
2	No. of journal articles published	5		
3	No. of books published	2		
4	No. of book chapters published	1		
5	No. of invited talks/ conferences/ workshops attended	11		
6	No. of research projects funded by IIST	1	R Assessment of the contributions made by IIST alumni in the ISRO programs Dr. V. Ravi	
7	No. of research projects funded through ASRG/IIST-ISRO/DoS	0		

8	No. of externally funded research projects like CSIR, DST, DRDO etc.	0	Space Technology and its Penetration into the Socio-Economic Space of the Households of India (25 lakhs), Dr. Shaijumon C S Dr. Lekshmi V Nair
9	No. of patents published/awarded	0	
10	No. of patents filed	0	
11	No. of faculty/student awards received	0	
12	No. of conferences/Workshops/ seminars/Colloquium Organized	7	
13	No. of conference paper published	3	Conference proceedings
	No. of visits made by the faculty/ student for research collaborations, invited talks/conferences abroad	0	
	No. of Industry collaborative projects	0	
	No. of ISRO mission related projects/ activities	0	
17	No. of consultancy services entertained	0	

Criteria	Response	Comments	Suggestions
curricular & co-	Our PhD students participate in annual cultural and technical festivals of the institute	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?	alegne - Kathory II.	Our students take courses and internships from national institutes like the University of Kerala, CDS 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?			

	M	As part of the Course	
	n	Introduction to Social Science	
		and Ethics, regular field trips are	
		conducted to tribal settlements,	
Whether the	Yes, The Outreach Wing of IIST,	whereby students get first-hand	
department conducts	NIRMAAN is spearheaded by	information regarding tribal	
outreach programs?	Prof.Lekshmi V. Nair who is	communities, their habitats, and	
	handing the Sociology course	life. The outreach also includes	
		association with NGOs where	
	23	students could also participate in	
		community activities	
		The department has online	
Whether department		alumni meetings where they	
has alumni activities?	ves	discuss potential areas where	
	yea	scholars could enhance their	
		research and projects.	

IX Details of placement/ higher studies of students

Criteria	UG	PG	PhD	Comments	Suggestions
No. of students placed	0	0	1	After finishing his post doc from IIT Madras Dr Rajesh joined IIITM Gwalior as Assistant Professor (Grade 2) in April 2019,	
No. of students opted for higher studies	0	0	0		
No. of students cleared GATE/ SLET/ NET/ CSIR/ UGC/ Others etc.	0	0	0		

X Infrastructure in the Department				
SI. 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	1	Comments of the second second	
6	No. of computing labs	1		
7	Is there any lab with potential for centre of excellence?	to compare any function-structure		
8	Is there any labs sponsored by external agency?			

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	Establishing an interdisciplinary
	research facility in the humanities
	and social sciences area greatly
	enrich scholarly endeavors, foster
	collaboration across disciplines, and
	address complex societal
	challenges. It clearly articulates the
	mission and objectives of the
Inter-disciplinary research	research facility, emphasizing
facility	interdisciplinary collaboration,
	innovation in humanities and social
	sciences, and impact on society. It
	also helps to Identify specific
	research themes or focus areas that
	align with the institution �s strengths
	and strategic priorities, such as
	cultural studies, public policy, digital
	humanities, or social justice.
100 000 000 000 000 000 000 000 000 000	There is a recreation room and
	discussion room available used for
Is there any common	academic and non-academic
0 amenities like restroom,	discussions and celebrations. These
recreation club, etc.?	rooms undergo constant updating
	improving their technological
	capabilities.
Is there any facilities for	ramp and lift facility available
differently abled?	
	Yes Department library which was
	initiated through active contribution
Is there any Department	of books by visitors and visiting
l2 library?	faculty who used to take classes at
library:	IIST.At present our research
	scholars and faculty members
	actively take care of the dept. library

	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	1 m
6.	The status of taking feedback from stakeholders and expert groups for revision and design of curriculum of a programme.	Student
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.	
10.	The List of MoU and MoAs, that are currently operational during the year.	

	dil An uncer Lubble elevance to the dellarancent	Regular meetings with academic counsellors andmentors to set academic goals, track progress, and provide
11.	Detail the mechanism adopted to help academically disadvantaged students to cope with academic requirements	guidance. Access to tutoring services tailored to their academic weaknesses, whether through peer tutoring
		programs, faculty office hours, or pro Foster a supportive
12.	Detail the mechanism adopted to help students who perform very much below the class averages	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	
14.	conducting research projects/consultancy services during the year. The suggestions to improve the efficiency and effectiveness of the IIST system.	

XIII Strength of the Department (maximum 150 words)

1. Our greatest strength is that we have faculty members from four disparate streams- economics, English, Management, and Sociology. This disparity in specialization gives an interdisciplinary flavor to our research and it encourages collaborative projects. 2. As we have scholars from multiple areas this diversity enriches the research potential of our department by bringing together different perspectives, methods, and knowledge from various fields. 3. The interdisciplinary methods enhance our evaluation methods 4. As we have faculty members from various disciplines it broadens the perspectives and enhances critical thinking

XIV Weakness of the Department (maximum 150 words)

1. We have limited number of faculty members 2. Only by increasing the strength of programmes and faculty members, the department could make visibility to attract students. 3. There a potential lack of finding funding resources compared to technical departments. 4. Difficulty in integrating humanities courses into the technical curriculum.

Adore allivered and a state of XV Challenges (maximum 150 words)

 Running phd programme without a PG programme is a challenge that we face, but still over the time we too have got a good number of research scholars, and even postdoctoral students in our department.
Though it is very difficult to float certain courses, we have managed to run successful courses like space economics and space policies

XVI Opportunities (maximum 150 words)

1. 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. 2. We work for innovative interdisciplinary projects and collaborations with other departments and institutes.

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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. Identify weaknesses, gaps, or areas where the department can improve in terms of academic quality, infrastructure, governance, or student support services. 2. Provide specific recommendations for addressing identified alignment of academic programs with industry standards and educational trends. 4. The committee suggested to incorporate teaching practices.

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

Dr. C. S. Shaijumon,

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

Accession Dr. Gigy, J. Alex.

- 2 Associate Professor, Humanities and Social Sciences.
- 3 Dr. K. Prabhakaran. Professor. Chemistry:
- Prof. S R Sheeja 4 Professor & Head,
- University of Kerala: Dr. Sathyaraj
- 5 Venkatesan, Professor, ... NIT Trichy:

Dr. SHEEJA S. R. Professor Department of Economies University of Kerala, Kariavattom Thiravananthapuram - 695 581

askness of the Department (maximum 150 wo

Approved by

Dean Academics.

प्रोफ. कुरुविळा जोसफ़/Prof. Kuruvilla Joseph ढीन (शैक्षिज्जी), आईआईएसटी Dean (Academics), IIST

XVI Opportunities (maximum 150 words)

4. Date at the prior elements of the sequence of the application of 20 states in the bit principal (both) in the bit upper sectors of the application of Space to a wave and the bit of the sector of the application of Space to a wave and the sector of the application of Space to a wave and the sector of the application of Space to a wave and the sector of the application of Space to a wave and the sector of the application of Space to a wave and the sector of the application of Space to a wave and the sector of the application of Space to a wave and the sector of the