



# Summer Internship Programme

## Indian Institute of Space Science and Technology

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A wide variety of topics are available. You can search for keywords of your interest using your browser's search function. Faculty name can be clicked to access the webpage of the faculty. If you need clarifications, you may contact the faculty supervisor for that topic. For clarifications regarding application and selection process and regarding stay, etc., in IIST contact the Internship Coordinators listed in [Contacts](#).

Aerospace	Avionics	Chemistry	Earth & Space Sciences	Humanities and Social Sciences	Mathematics	Physics
Faculty Supervisor		Topic, Project, Period			Eligibility	
<a href="#">Dr. K. B. Jinesh</a> Email: kbjinesh@iist.ac.in Phone: 0471 2568523 Mobile: 9961510301		<b>Topic code and title:</b> PH1 Atomic Layer Deposition <b>Project description:</b> To deposit thin films using ALD for various electronic applications. The student will participate in the construction of ALD as well. <b>Period</b> May 20-July 19			Masters students (MSc/MS in physics or Material Science)	
<a href="#">Dr. S. Murugesh</a> Email: murugesh@iist.ac.in		<b>Topic code and title:</b> PH2 Nonlinear Dynamics <b>Project description:</b> Vortices in BEC <b>Period</b> May 20-July 19			Students completing second year, BTech(EP), BS-MS, MSc/MS in Physics or related areas.	
<a href="#">K. B. Jinesh</a> Email: kbjinesh@iist.ac.in Phone: 0471 2568523 Mobile: 9961510301		<b>Topic code and title:</b> PH3 Memory devices <b>Project description:</b> Pattern recognition using artificial synaptic devices. Good programming knowledge is required. <b>Period</b> May 20-July 19			Masters students (MSc/MS in physics or Material Science)	
<a href="#">Dr. Biswajit Pathak (Ramanujan Fellow)</a> Email: biswajitpathak@iist.ac.in		<b>Topic code and title:</b> PH4 Adaptive Optics <b>Project description:</b> Design and Implementation of Compact Adaptive Optics System <b>Period</b> May 20-July 15			B.Sc/B.Tech/M.Sc/M.Tech/BS-MS interest in optics. It is desirable to have knowledge in programming and internet system development.	
<a href="#">Dr. Biswajit Pathak (Ramanujan Fellow)</a> Email: biswajitpathak@iist.ac.in		<b>Topic code and title:</b> PH5 Diffractive Optics <b>Project description:</b> System Development to Analyze the Impact of Turbulence on User Defined Beams <b>Period</b> May 20-July 15			B.Sc/B.Tech/M.Sc/M.Tech/BS-MS, interest in optics. It is desirable to have knowledge in programming and internet system development.	
<a href="#">Dinesh N Naik</a> Email: dineshnaik@iist.ac.in		<b>Topic code and title:</b> PH6 Optical surface profilometry <b>Project description:</b> Surface profilometry using shearing interferometer with low-coherence light source. <b>Period</b> May 20-July 19			Students completing second year, BTech(Engg. Physics), BS-MS, MSc/MS in Physics or related areas, having interest in optics	
<a href="#">Dinesh N Naik</a> Email: dineshnaik@iist.ac.in		<b>Topic code and title:</b> PH7 Ellipsometry <b>Project description:</b> Optical technique for investigating the dielectric properties of thin films <b>Period</b> May 20-July 19			Students completing second year, BTech(Engg. Physics), BS-MS, MSc/MS in Physics or related areas, having interest in optics	
<a href="#">Sudheesh Chethil</a> Email: sudheesh@iist.ac.in Phone: 0471 2568551 Mobile: 8086981336		<b>Topic code and title:</b> PH8 Quantum Information <b>Project description:</b> To study the nonclassical properties of quantum states <b>Period</b> May 20-July 19			Third year BTech or BS-MS student of Science Student in Physics or related areas	

