

# List of PhD Titles and Supervisors

For

DST sponsored NMICPS mission project on Technologies for Underwater Exploration

S. No.	Project Code	Title	Supervisors	Host Department
1	CSE-AS_SKD	Computer Vision for Underwater Explorations	Prof. Arijit Sur & Prof. S. K. Dwivedy	CSE
2	CSE-AS_SD	Computer Vision for Underwater Explorations	Prof. Arijit Sur & Prof. S. Dutta	CSE
3	CSE-SN_PKD	Study of Underwater Heritage	Prof. S. Nandi & Prof. P. K. Das	CSE
4	EEE-PG_RK	Design and Development of a Digital Holographic Microscopic Imaging System for Detection and Recognition of Underwater Microorganisms and Particles	Prof. P. Guha & Prof. Rishikesh Kulkarni	EEE
5	EEE-RK_PG	Design and Development of a Digital Holographic Microscopic Imaging System for Detection and Recognition of Underwater Microorganisms and Particles	Prof. Rishikesh Kulkarni & Prof. P. Guha	EEE
6	EEE-SC_HBN	Dolphin Monitoring Internet of Things (IoT) Network in River Brahmaputra	Prof. Sonali Chouhan & Prof. H. B. Nemade	EEE
7	DD-AS_SKD	Investigation of Interaction Model of Cyber-Physical System(s) for Underwater Applications	Prof. A. Shrivastava & Prof. S. K. Dwivedy	DD
8	DD-SA_BNP	Boosting underwater tourism by 3D printed coral reef	Prof. S. Acharya & Prof. B. N. Panda	DD
9	DD-SK_AS	Ergonomic Evaluation of the Human-Robot Control Interface and Suggestions for Improvement of Usability	Prof. Sougata Karmakar & Prof. A. Shrivastava	DD
10	ME-SK_SK	Design and development of different life supporting, monitoring, safety, assisting and communicating devices for divers to prevent and management of diving accidents during underwater exploration	Prof. S. Kanagaraj & Prof. S. Kapil	ME
11	ME-SNJ_BSR	Design and development of novel, cost-effective and integrated robot-laser-based drilling technologies for under water material processing	Prof. S. N. Joshi & Prof. B. S. Reddy	ME
12	ME-SK_HBN	Design and Development of Apparatus for Underwater Repairing and Maintenance of Metallic & Non-metallic Structures	Prof. S. Kapil & Prof. H. B. Nemade	ME
13	ME-USD_BN P	Design and Development of Underwater Imaging System	Prof. U. S. Dixit & Prof. B. N. Panda	ME
14	ME-PSR_SK D	Development of Manned Underwater Vehicle for Tourism	Prof. P. S. Robi & Prof. S. K. Dwivedy	ME
15	ME-BNP_US D	Development of Underwater Drones	Prof. U. S. Dixit & Prof. B. N. Panda	ME

<b>16</b>	ME- SKD_HB N	Design and development of Autonomous Underwater Vehicle (AUV)	Prof. S. K. Dwivedy & Prof. H. B. Nemade	ME
<b>17</b>	ME- BSR_NM	Automation of Underwater Vehicles – Navigation, Planning, Manipulation, Vision and Intelligence	Prof. B. S. Reddy & Prof. Nelson Muthu	ME
<b>18</b>	CE- SD_RB	Virtual Reality for underwater resources	Prof. S. Dutta & Prof. Rishikesh Bharti	CE
<b>19</b>	CE- BH_ABS	Real-Time Scour Monitoring using Accelerometers and Energy Harvesters	Prof. B. Hazra & Prof. A. B. Shelke	CE
<b>20</b>	CE- TGS_BN P	3D printing for underwater Construction	Prof. T. G. Sitharam & Prof. B. N. Panda	CE