भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	**India Education Dairy.com**		
Date	**23rd August, 2024**	**Language**	**English**
Headline	**IIT Bhubaneswar celebrates ISRO's Unprecedented Journey to study the Moon and Sun on National Space Day**		
Link	https://indiaeducationdiary.in/iit-bhubaneswar-celebrates-isros-unprecedented-journey-to-study-the-moon-and-sun-on-national-space-day/		

Indian Institute of Technology (IIT) Bhubaneswar has joined the Nation in celebrating the first National Space Day on 23rd August 2024as a commemoration to India's success of Chandrayaan-3 Mission last year. As part of the celebration, the Institute organized an insightful seminar on 'Chandrayaan-3 and Aditya-L1 Mission: ISRO's Unprecedented Journey to study the Moon and Sun'. Dr. Kuldeep Negi from ISRO addressed on this occasion and shared his experience.

Currently serving as a Section Head in the Flight Dynamics Group and Associate Project Director of Chandrayaan-4 at the U. R. Rao Satellite Center (URSC) of the Indian Space Research Organization (ISRO), Bengaluru, Dr. Negi is responsible for designing trajectories for Geo-Spacecraft, interplanetary and lunar missions. In his address, Dr. Negi explained: "Chandrayaan-3, India's third lunar exploration mission took off in fourth operational mission of LVM3 launcher. Chandrayaan-3 is a testament to India's commitment to space exploration. ISRO has set a benchmark by demonstrating soft landing on lunar surface by its lunar module and roving on the lunar terrain. Aditya-L1 Mission is an Indian first solar observatory at Lagrangian point L1. This pioneering venture involves deploying a spacecraft into a non-planar periodic orbit known as a halo orbit around the L1 Lagrangian point of the Sun-Earth system." He further added: "For any spacecraft mission from its cradle to grave, spaceflight trajectory design plays a significant role." He also focused on challenges in Chandrayaan-3 mission and spaceflight trajectory design with respect to the mission.

This seminar explained the target lunar orbit trajectory design for the Composite Module and then the multi-phase powered descent trajectory design for the Lander Module. Dr. Negi also highlighted that Aditya-L1's manifold-based trajectory design is instrumental in planning halo orbits around L1. The seminar concluded with a discussion on ISRO's strategic frontier for space exploration.

Prof. Shreepad Karmalkar, Director, IIT Bhubaneswar felicitated Dr. Negi on the occasion. Dr. Vijayakrishna Kari, Professor-in-Charge (Seminar) coordinated the programme. Faculty members, staff and students of the Institute participated in the programme in a large number.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	Pragativadi.com		
Date	23rd August 2024	Language	English
Headline	IIT Bhubaneswar celebrates ISRO's Unprecedented Journey to study the Moon and Sun		
Link	https://pragativadi.com/iit-bhubaneswar-celebrates-isros-unprecedented-journey-to-study-the-moon-and-sun/		

Indian Institute of Technology (IIT) Bhubaneswar has joined the Nation in celebrating the first National Space Day on 23rd August 2024 as a commemoration of India's success of the Chandrayaan-3 Mission last year. As part of the celebration, the Institute organized an insightful seminar on 'Chandrayaan-3 and Aditya-L1 Mission: ISRO's Unprecedented Journey to Study the Moon and Sun'. Dr. Kuldeep Negi from ISRO addressed this occasion and shared his experience.

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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Pioneer		
Date	24th August, 2024	Language	English
Headline	**IIT-BBS holds talk on sidelines of observing Nat'l Space Day: Chandrayaan-3 testament of India's commitment to space exploration**		

Chandrayaan-3 testament of India's commitment to space exploration

IIT-BBS holds talk on sidelines of observing Nat'l Space Day

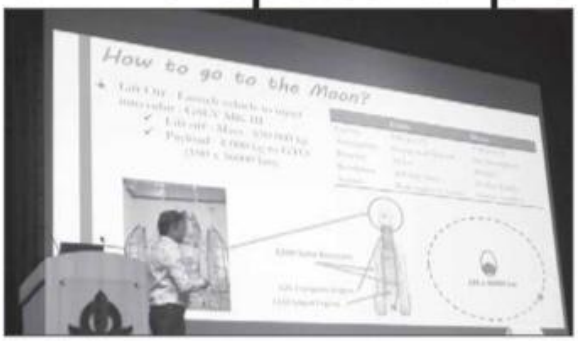
PNS ■ BHUBANESWAR

The Indian Institute of Technology (IIT), Bhubaneswar, has joined the nation in celebrating the first National Space Day on Friday (August 23) as a commemoration to India's success of Chandrayaan-3 Mission last year.

As part of the celebration, the institute organised a seminar on 'Chandrayaan-3 and Aditya-L1 Mission: ISRO's Unprecedented Journey to study the Moon and Sun'.

Dr Kuldeep Negi from ISRO addressed on the occasion and shared his experience.

Currently serving as a Section Head in the Flight Dynamics Group and Associate



Project Director of Chandrayaan-4 at the UR Rao Satellite Center (URSC) of the Indian Space Research Organization (ISRO), Bengaluru, Dr Negi is responsible for designing trajectories for geo-spacecraft, interplanetary and lunar missions.

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The seminar concluded with a discussion on ISRO's strategic frontier for space exploration. IIT Bhubaneswar Director Prof Shreepad Karmalkar felicitated Dr Negi on the occasion.

Dr Vijayakrishna Kari, Professor-in-Charge (Seminar) coordinated the programme while faculty members, staff and students of the institute participated in large numbers.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Samaja		
Date	24th August, 2024	Language	Odia
Headline	National Space Day		

ଜାତୀୟମହାକାଶ ଦିବସ

ଜଟଣୀ,୨୪।୮ (ନି.ପ୍ର): ଆଇଆଇଟି ପରିସରରେ ଶୁକ୍ରବାର ଜାତୀୟ ମହାକାଶ ଦିବସ ପାଳିତ ହୋଇଯାଇଛି । ଏହି ଅବସରରେ ଚନ୍ଦ୍ରଯାନ-୩ ଏବଂ ଆଦିତ୍ୟ ଏଲ-୧ ମିଶନ ଓ ଚନ୍ଦ୍ର ଓ ସୂର୍ଯ୍ୟର ଅଧ୍ୟୟନ ଏବଂ ଇସ୍ରୋର ଅଦ୍ଭୁତ ଯାତ୍ରା ଉପରେ ଆଲୋଚନାଚକ୍ର ଅନୁଷ୍ଠିତ ହୋଇଥିଲା । ଇସ୍ରୋର ବୈଜ୍ଞାନିକ ଡ ବୁଲଦାପ ଜେରି ମୁଖ୍ୟ ଅତିଥି ଭାବେ ଯୋଗ ଦେଇ ନିଜର ଅଭିଜ୍ଞତା ବର୍ଣ୍ଣନା କରିଥିଲେ । ଚନ୍ଦ୍ର ପୃଷ୍ଠରେ ଚନ୍ଦ୍ରଯାନର ସଫଳ ଅବତରଣ, ଚନ୍ଦ୍ର ଭୂମିରେ ଗତି କରିବା ସମ୍ପର୍କରେ ସେ ସୂଚନା ଦେଇଥିଲେ । ଆଦିତ୍ୟ ଏଲ-୧ ଭାରତର ପ୍ରଥମ ସୌର ପର୍ଯ୍ୟବେକ୍ଷଣକାରୀ । ସୂର୍ଯ୍ୟ ପୃଥିବୀ ପ୍ରଣାଳୀରେ ଏଲ-୧ ଲାଗ୍ରାଞ୍ଜିଆନ୍ ପଏଣ୍ଟ ଚାରି ପାଖରେ ଏକ ହାଲୋ କକ୍ଷ ପଥ ଭାବରେ ଜଣାଶୁଣା ଏକ ଅଣପ୍ଲାନର ପର୍ଯ୍ୟାୟ କକ୍ଷପଥରେ ଏହି ମହାକାଶ ଯାନ ନିୟୋଜିତ କରାଯାଇଛି ବୋଲି ସେ ସୂଚନା ଦେଇଥିଲେ ।

ଏହି ଅବସରରେ ସେ ମିଶନ ସମ୍ବନ୍ଧରେ ଚନ୍ଦ୍ରଯାନ-୩ ମିଶନ ଏବଂ ଡ୍ୱେସ୍ ଫ୍ଲାଇଟ ସମ୍ପର୍କରେ ଥିବା ଆହ୍ୱାନ ଉପରେ ଆଲୋକପାତ କରିଥିଲେ । ମହାକାଶ ଅନୁସନ୍ଧାନ ପାଇଁ ଇସ୍ରୋର ରଣନୀତି ସୀମା ବିଷୟରେ ଆଲୋଚନା କରାଯାଇଥିଲା । ବୈଜ୍ଞାନିକ ଡ ନେଗିଙ୍କୁ ଆଇଆଇଟିର ନିର୍ଦ୍ଦେଶକ ପ୍ରଫେସର ଶ୍ରୀପାଦ କର୍ମଲକର ସମ୍ମାନିତ କରିଥିଲେ । ପ୍ରଫେସର ଡ.ବିଜୟକୃଷ୍ଣ କରା କାର୍ଯ୍ୟକ୍ରମ ସଂଯୋଜନା କରିଥିଲେ । ଆଇଆଇଟିର ଛାତ୍ର ଛାତ୍ରୀ, ଅଧ୍ୟାପକ ଏବଂ କର୍ମଚାରୀ ଏଥିରେ ଅଂଶଗ୍ରହଣ କରିଥିଲେ ।

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Sambad		
Date	24th August, 2024	Language	Odia
Headline	Seminar held in IIT Bhubaneswar		

ଆଇଆଇଟିରେ ଆଲୋଚନାଚକ୍ର

ଜଟଣୀ, ୨୩/୮(ଇମିସ): ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ପକ୍ଷରୁ ପ୍ରଥମ ଜାତୀୟ ମହାକାଶ ଦିବସ ପାଳିତ ହୋଇଯାଇଛି। ଏହି ଅବସରରେ ଗତବର୍ଷ ଚନ୍ଦ୍ରଯାନ-୩ ମିସନରେ ଭାରତର ସଫଳତାକୁ ସ୍ମରଣ କରା ଯାଇଥିଲା। ଉତ୍ସବର ଏକ ଅଂଶ ଭାବରେ ପ୍ରତିଷ୍ଠାନ ପକ୍ଷରୁ 'ଚନ୍ଦ୍ରଯାନ-୩ ଏବଂ ଆଦିତ୍ୟ-ଏଲ୧ ମିସନ୍ ଚନ୍ଦ୍ର ଏବଂ ସୂର୍ଯ୍ୟ ଅଧ୍ୟୟନ ପାଇଁ ଇସ୍ରୋର ଅଭୂତପୂର୍ବ ଯାତ୍ରା' ଉପରେ ଏକ ଆଲୋଚନାଚକ୍ର ଆୟୋଜିତ ହୋଇଥିଲା। ଏଥିରେ ଇସ୍ରୋର କୁଲଦୀପ ନେଗି ଯୋଗଦେଇ ନିଜର ଅଭିଜ୍ଞତା ଉଲ୍ଲେଖ କରିଥିଲେ। ଶ୍ରୀ ନେଗି ଏବେ ବେଙ୍ଗାଲୁରୁର ଭାରତୀୟ ସ୍ପେସ୍ ରିସର୍ଚ୍ଚ ଅର୍ଗାନାଇଜେସନ୍ (ଇସ୍ରୋ)ର ୟୁଆର ରାଓ ସାଟେଲାଇଟ୍ ସେଣ୍ଟର (ଜୁଆରଏସସି) ରେ ଫ୍ଲାଇଟ୍ ଡାଇନାମିକସ୍ ଗ୍ରୁପରେ ସେକ୍ସନ ହେଡ୍ ତଥା ଚନ୍ଦ୍ରଯାନ-୪ରେ ଆସୋସିଏଟ୍ ପ୍ରୋଜେକ୍ଟ ଡାଇରେକ୍ଟର ଭାବେ କାର୍ଯ୍ୟରତ ନେଗି ଜିଓ-ସ୍ପେସକ୍ରାଫ୍ଟ, ଇଣ୍ଟରପ୍ଲାନେଟାରି ଏବଂ ଚନ୍ଦ୍ର ମିସନ ପାଇଁ ଟ୍ରାଜେକ୍ଟୋରି ଡିଜାଇନ୍ ଦିଗରେ ଦାୟିତ୍ୱ ନିର୍ବାହ କରୁଛନ୍ତି। ଶ୍ରୀ ନେଗି କହିଛନ୍ତି, ଚନ୍ଦ୍ରଯାନ-୩ ଭାରତର ତୃତୀୟ ଚନ୍ଦ୍ର ଅନୁସନ୍ଧାନ ମିସନ ଏଲ୍‌ଭିଏମ୍-୩ ଲଞ୍ଚରର ଚତୁର୍ଥ କାର୍ଯ୍ୟକ୍ଷମ ମିସନରେ ଆରମ୍ଭ ହୋଇଥିଲା। ଚନ୍ଦ୍ରଯାନ -୩ ହେଉଛି ମହାକାଶ ଅନୁସନ୍ଧାନ ପାଇଁ ଭାରତର ପ୍ରତିବଦ୍ଧତାର ପ୍ରମାଣ। ଇସ୍ରୋ ଏହାର ଚନ୍ଦ୍ର ମଡ୍ୟୁଲ୍ ଦ୍ୱାରା ଚନ୍ଦ୍ରପୃଷ୍ଠରେ ସଫ୍ଟ ଲ୍ୟାଣ୍ଡିଂ ଏବଂ ଚନ୍ଦ୍ରଭୂମିରେ ଗତି କରିବା ସହିତ ଏକ ନୂତନ ମାଇଲଖୁଣ୍ଟ ହାସଲ କରିଛି। ଆଦିତ୍ୟ-ଏଲ୧ ମିସନ୍ ହେଉଛି ଲାଗ୍ରାଞ୍ଜିଆନ୍ ପଏଣ୍ଟ ଏଲ୍୧ରେ ଏକ ଭାରତୀୟ ପ୍ରଥମ ସୌର ପର୍ଯ୍ୟବେକ୍ଷଣକାରୀ।

ଶେଷରେ ମହାକାଶ ଅନୁସନ୍ଧାନ ପାଇଁ ଇସ୍ରୋର ରଣନୀତି ବିଷୟରେ ଆଲୋଚନା କରାଯାଇଥିଲା। ଆଇଆଇଟିର ନିର୍ଦ୍ଦେଶକ ପ୍ରଫେସର ଶ୍ରୀପଦ କରମଲକର ଶ୍ରୀ ନେଗିଙ୍କୁ ସମ୍ବର୍ଦ୍ଧିତ କରିଥିଲେ। ପ୍ରଫେସର-ଇନ୍ ଚାର୍ଜ (ସେମିନାର୍) ବିଜୟକୃଷ୍ଣ କରୀ କାର୍ଯ୍ୟକ୍ରମକୁ ସଂଯୋଜନା କରିଥିଲେ।

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Suryaprava		
Date	27th August, 2024	Language	Odia
Headline	Seminar on ISRO's journey to Space		

ଇସ୍ରୋର ଯାତ୍ରା ଉପରେ ସେମିନାର

॥ ପ୍ରଭାନ୍ୟୁଜ୍ ॥ ଜଟଣୀ, ୨୬ା୮ : ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭୁବନେଶ୍ୱର ୨୩ ଅଗଷ୍ଟ ୨୦୨୪ ରେ ପ୍ରଥମ ଜାତୀୟ ମହାକାଶ ଦିବସ ପାଳନ କରି ରାଷ୍ଟ୍ର ସହ ଯୋଗ ଦେଇ ଗତ ବର୍ଷ ଚନ୍ଦ୍ରଯାନ-୩ ମିଶନରେ ଭାରତର ସଫଳତାକୁ ସ୍ମରଣ କରିଥିଲା । ଉତ୍ସବର ଏକ ଅଂଶ ଭାବରେ ପ୍ରତିଷ୍ଠାନ ପକ୍ଷରୁ 'ଚନ୍ଦ୍ରଯାନ-୩ ଏବଂ ଆଦିତ୍ୟ- ଏଲ୧ ମିଶନ୍: ଚନ୍ଦ୍ର ଏବଂ ସୂର୍ଯ୍ୟ ଅଧ୍ୟୟନ ପାଇଁ ଇସ୍ରୋର ଅଭୂତପୂର୍ବ ଯାତ୍ରା' ଉପରେ ଏକ ସେମିନାର ଆୟୋଜିତ ହୋଇଥିଲା । ଏହି ଅବସରରେ, ଇସ୍ରୋର ଡକ୍ଟର କୁଲଦୀପ ନେଗି ନିଜର ଅଭିଜ୍ଞତା ଉଲ୍ଲେଖ କରିଥିଲେ । ସମ୍ପ୍ରତି ବେଙ୍ଗାଲୁରୁର ଭାରତୀୟ ସ୍ପେସ୍ ରିସର୍ଚ୍ଚ ଅର୍ଗାନାଇଜେସନ୍‌ର ୟୁ.ଆର. ରାଓ ସାଟେଲାଇଟ ସେଣ୍ଟର (ୟୁଆରଏସସି)ରେ ଫ୍ଲାଇଟ ଡାଇନାମିକସ ଗ୍ରୁପରେ ସେକ୍ସନ ହେଡ୍ ତଥା ଚନ୍ଦ୍ରଯାନ-୪ରେ ଆସୋସିଏଟ୍ ପ୍ରୋଜେକ୍ଟ ଡ଼ାଇରେକ୍ଟର ଭାବେ କାର୍ଯ୍ୟରତ ଡକ୍ଟର ନେଗି ଜିଓ-ସ୍ପେସକ୍ରାଫ୍ଟ, ଇଣ୍ଟରପ୍ଲାନେଟାରୀ ଏବଂ ଚନ୍ଦ୍ର ମିଶନ ପାଇଁ ଟ୍ରାଜେକ୍ଟୋରୀ ଡିଜାଇନ୍ ଦିଗରେ ଦାୟିତ୍ୱ ନିର୍ବାହ କରୁଛନ୍ତି । ଏହି ସେମିନାରରେ କମ୍‌ପୋଜିଟ୍ ମଡ୍ୟୁଲ୍ ପାଇଁ ଟାର୍ଗେଟ୍ ଚନ୍ଦ୍ର କକ୍ଷପଥ ଟ୍ରାଜେକ୍ଟୋରୀ ଡିଜାଇନ୍ ଏବଂ ପରେ ଲ୍ୟାଣ୍ଡର ମଡ୍ୟୁଲ୍ ପାଇଁ ମଲ୍ଟି ଫେଜ୍ ଚାଳିତ ଡେସେଣ୍ଟ ଟ୍ରାଜେକ୍ଟୋରୀ ଡିଜାଇନ୍ ବ୍ୟାଖ୍ୟା କରାଯାଇଥିଲା । ଏହି ଅବସରରେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ନିର୍ଦ୍ଦେଶକ ପ୍ରଫେସର ଶ୍ରୀପଦ କରମଲକର ଡକ୍ଟ ନେଗିଙ୍କୁ ସମ୍ବର୍ଦ୍ଧିତ କରିଥିଲେ । ପ୍ରଫେସର-ଇନ୍-ଚାର୍ଜ (ସେମିନାର) ଡକ୍ଟର ବିଜୟକୃଷ୍ଣ କରୀ କାର୍ଯ୍ୟକ୍ରମକୁ ସଂଯୋଜନା କରିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ପ୍ରତିଷ୍ଠାନର ଅଧ୍ୟାପକବୃନ୍ଦ, କର୍ମଚାରୀ ଏବଂ ଛାତ୍ରଛାତ୍ରୀମାନେ ବହୁ ସଂଖ୍ୟାରେ ଅଂଶଗ୍ରହଣ କରିଥିଲେ ।

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Samikhya.com		
Date	24th August, 2024	Language	English
Headline	National Space Day: IIT Bhubaneswar celebrates		
Link	https://thesamikhsya.com/national/national-space-day-iit-bhubaneswar-celebrates		

Indian Institute of Technology (IIT) Bhubaneswar has joined the Nation in celebrating the first National Space Day on 23rd August 2024 as a commemoration to India's success of Chandrayaan-3 Mission last year. As part of the celebration, the Institute organized an insightful seminar on 'Chandrayaan-3 and Aditya-L1 Mission: ISRO's Unprecedented Journey to study the Moon and Sun'. Dr. Kuldeep Negi from ISRO addressed on this occasion and shared his experience.

Currently serving as a Section Head in the Flight Dynamics Group and Associate Project Director of Chandrayaan-4 at the U. R. Rao Satellite Center (URSC) of the Indian Space Research Organization (ISRO), Bengaluru, Dr. Negi is responsible for designing trajectories for Geo-Spacecraft, interplanetary and lunar missions. In his address, Dr. Negi explained: "Chandrayaan-3, India's third lunar exploration mission took off in fourth operational mission of LVM3 launcher.

Chandrayaan-3 is a testament to India's commitment to space exploration. ISRO has set a benchmark by demonstrating soft landing on lunar surface by its lunar module and roving on the lunar terrain. Aditya-L1 Mission is an Indian first solar observatory at Lagrangian point L1. This pioneering venture involves deploying a spacecraft into a non-planar periodic orbit known as a halo orbit around the L1 Lagrangian point of the Sun-Earth system." He further added: "For any spacecraft mission from its cradle to grave, spaceflight trajectory design plays a significant role." He also focused on challenges in Chandrayaan-3 mission and spaceflight trajectory design with respect to the mission.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	Prameya News.com		
Date	23rd August, 2024	Language	English
Headline	IIT Bhubaneswar celebrates ISRO's journey to study moon and sun		
Link	https://www.prameyanews.com/iit-bhubaneswar-celebrates-isros-journey-to-study-moon-and-sun-		

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This seminar explained the target lunar orbit trajectory design for the Composite Module and then the multi-phase powered descent trajectory design for the Lander Module. Dr. Negialso highlightedthat Aditya-L1's manifold-based trajectory design is instrumental in planning halo orbits around L1. The seminar concluded with a discussion on ISRO's strategic frontier for space exploration.

Prof. Shreepad Karmalkar, Director, IIT Bhubaneswar felicitated Dr. Negi on the occasion. Dr.Vijayakrishna Kari, Professor-in-Charge (Seminar) coordinated the programme. Faculty members, staff and students of the Institute participated in the programme in a large number.