THE TIMES OF INDIA

IIT Bhubaneswar carrying out research to know manufacturing of iron bars used in Konark sun temple

Hemanta Pradhan / TNN / Dec 17, 2023, 19:34 IST

IIT Bhubaneswar is conducting a research project to investigate manufacturing of iron beams used in the construction of the 13th-century Sun Temple at Konark. The project aims to unravel the manufacturing methods of the iron beams, shedding light on India's forgotten technological prowess. Led by Soobhankar Pati, the study will be non-destructive and focus on ancient technical knowledge, archaeological aspects, and socio-economic evaluations. The research contributes to the Indian Knowledge System's mission and showcases the potential for India to reclaim its historical technological glory.

File photo

BHUBANESWAR: The Indian Institute of Technology (IIT) Bhubaneswar has taken up a research project to investigate the manufacturing of iron beams used in the construction of Sun Temple at Konark during the 13th century.

The researchers are working for its exploration into unravelling the manufacturing methods of the iron beams at the Konark Sun Temple, shedding light on India's rich but forgotten technological prowess, said the official sources.

> The research project, titled 'Forging the Past: Investigating the manufacturing of iron beams used in Konark Sun Temple and analysing their socio-economic impact on the local community,' has been approved by the Indian Knowledge System (IKS) under the ministry of education in May this year.

> The project led by Soobhankar Pati, associate professor at IIT Bhubaneswar, said that the study will be non-destructive in nature and emphasized that no physical changes would be made to the historic iron beams of Konark.

"This project involves studying ancient technical knowledge, analysing archaeological aspects, and socio-economic evaluations, leading to the recreation of an ancient iron-making laboratory in the future. Past records will also be revisited to find any missing links," said Pati.

The researcher said that corrosion studies conducted onsite using a portable machine have yielded promising results. "The Konark iron beams demonstrated corrosion resistance almost two orders higher than contemporary steel beams. Even though the iron beams may lack certain properties like ductility and weldability," said Pati.

He highlighted that invaluable lessons can be learnt from the technological advancements of India's past.

An official statement from the national institute said that the research not only contributes to IKS's mission but also showcases the potential for India to reclaim its historical technological glory. The IIT Bhubaneswar team, along with co-investigators and collaborators, is dedicated to preserving and disseminating this invaluable knowledge, it added.

"This initiative, as part of IKS's mission to promote interdisciplinary research and revive lost technology, aligns seamlessly with the vision of Bharatiya Gyan Samvardhan Yojana," said the official statement.

Naresh Chandra Sahu and Parthasarathi De from IIT Bhubaneswar, Siva Shankar Panda from the Archaeological Survey of India (ASI) have joined this project as the co-investigators. Besides, Omkar Nath Mohanty, former professor of IIT Kharagpur and DB Garnayak from the ASI have joined as collaborators in this research project.

Link: https://timesofindia.indiatimes.com/india/iit-bhubaneswar-carrying-out-research-to-know-manufacturing-of-iron-bars-used-in-konark-sun-temple/articleshow/106066456.cms?from=mdr

THE TIMES OF INDIA

City IIT study on Konark iron beams

Bhubaneswar: The Indian Institute of Technology (IIT) Bhubaneswar has taken up a research project to investigate the manufacturing of iron beams used in the construction of Konark Sun Temple in the 13th century.

The researchers are trying to unravel the manufacturing methods of the iron beams which will shed light on India's rich but forgotten technological prowess, said an official.

The research project has been approved by the Indian Knowledge System (IKS) under the Union education ministry in May. Soobhankar Pati, associate professor at IIT Bhubaneswar, who is heading the research, said the study would be non-destructive in nature and no physical changes would be made to the historic iron beams.

"This project involves studying ancient technical knowledge, analysing archaeological aspects, and socio-economic evaluations, leading to the recreation of an ancient iron-making laboratory in the future. Past records will also be revisited to find any missing links," said Pati.

The researcher said corrosion studies conducted on the site using a portable machine have yielded promising results. "The Konark iron beams demonstrated corrosion resistance almost two orders higher than contemporary steel beams, even though the iron beams may lack certain properties like ductility and weldability," Pati said, adding that invaluable lessons could be learnt from the technological advancements of India's past.

Linke: https://timesofindia.indiatimes.com/city/bhubaneswar/investigating-the-manufacturing-of-iron-bars-at-konark-sun-temple/articleshow/106074340.cms

THE NEW INDIAN EXPRESS

OLD YET RELIABLE

Konark iron beams have better corrosion resistance: IIT research

The iron beams used in centuries-old Konark temple | EXPRESS

EXPRESS NEWS SERVICE
@ Bhubaneswar

THE iron beams used in centuries-old Konark Sun Temple have demonstrated corrosion resistance almost two orders higher than contemporary steel beams, said associate professor at School of Minerals, Metallurgical and Materials Engineering at IIT Bhubaneswar Soobhankar Pati on Sunday.

"The corrosion studies conducted on-site using a portable machine have yielded promising results. Though the iron beams may lack certain properties like ductility and weldability, the finding is significant as the ancient technique if revived and put to use again may help prevent rusting and create quality infrastructure," Prof Pati said.

"Unravelling the manufacturing methods of the iron beams of the Sun Temple may shed light on India's rich but forgotten technological prowess, while invaluable lessons regarding the technological advancements of India's past can be also learnt from the research work," Prof Pati said.

He said the research 'Forging the Past: Investigating the Manufacturing of Iron Beams Used in Konarka Sun Temple and Analysing Their Socio-Economic Impact on the Local Community' which is being carried out under the Indian Knowledge System (IKS) of the Ministry of Education, is a two-year long project and will continue for another year. Funding of the project has been received under the Bharatiya Gyan Samvardhan Yojana's Competitive Grants Programme, a part of the IKS.

Prof Pati, who is also the project lead, said that study which is being carried out is non-destructive in nature and there will be no physical changes to the historic iron beams during the research.

"This project involves studying ancient technical knowledge, analysing archaeological aspects, and socio-economic evaluations, leading to the recreation of an ancient iron-making laboratory in the future. Past records will also be revisited to find any missing links," he said.

Prof Naresh Chandra Sahu and Prof Parthasarathi De from IIT Bhubaneswar, Siva Shankar Panda from the Archaeological Survey of India (ASI) have joined the project as the co-investigators, while former IIT Kharagpur professor ON Mohanty and ASI Puri official DK Garnayak have also joined as collaborators in the research.

Konark Sun Temple iron beams have better corrosion resistance: IIT Bhubaneswar researcher

As a part of IKS, the funding of the project has been received under the Bharatiya Gyan Samvarshan Yojana's Competitive Grants Programme

The iron beams used in centuries-old Konark Sun Temple have demonstrated corrosion resistance almost two orders higher than contemporary steel beams, said an associate professor at the School of Minerals, Metallurgical and Materials Engineering at the Indian Institute of Technology (IIT) Bhubaneswar Soobhankar Pati on December 17, Sunday.

Professor Pati said, "The corrosion studies conducted on-site using a portable machine have yielded promising results. Though the iron beams may lack certain properties like ductility and weldability, the finding is significant as the ancient technique, if revived and put to use, may help prevent rusting and create quality infrastructure."

"Unravelling the manufacturing methods of the iron beams of the Sun Temple may shed light on India's rich but forgotten technological prowess, while invaluable lessons regarding the technological advancements of India's past can also be learnt from the research work," the professor added.

Project Forging the Past

Professor Pati said the research Forging the Past: Investigating the Manufacturing of Iron Beams Used in Konarka Sun Temple and Analysing Their Socio-Economic Impact on the Local Community which is being carried out under the Indian Knowledge System (IKS) of the Ministry of Education, is a two-year long project and will continue for another year.

What about the funding for the project? As a part of IKS, the funding of the project has been received under the Bharatiya Gyan Samvarshan Yojana's Competitive Grants Programme. Prof Pati, who is also the project lead, said that the study which is being carried out is non-destructive in nature and there will be no physical changes to the historic iron beams during the research.

"This project involves studying ancient technical knowledge, analysing archaeological aspects, and socio-economic evaluations, leading to the recreation of an ancient iron-making laboratory in the future. Past records will also be revisited to find any missing links," he added, as stated in a report by *The New Indian Express*.

Prof Naresh Chandra Sahu and Prof Parthasarathi De from IIT Bhubaneswar; Siva Shankar Panda from the Archaeological Survey of India (ASI) have joined the project as the co-investigators, while former IIT Kharagpur Professor ON Mohanty and ASI Puri Official DB Garnayak have also joined as collaborators in the research.

Link: https://www.edexlive.com/news/2023/dec/18/konark-sun-temple-iron-beams-havebettercorrosionresistanceiit-bhubaneswar-researcher-39344.html

The Statesman

Corrosion resistance of Iron beams in Konark Temple higher than contemporary steel

STATESMAN NEWS SERVICE
BHUBANESWAR, 17 DECEMBER:

The Indian Institute of Technology (IIT) Bhubaneswar announced a research project titled "Forging the Past: Investigating the Manufacturing of Iron Beams Used in Konark Sun Temple and Analyzing Their Socio-Economic Impact on the Local Community."

The project has been selected by the Indian Knowledge System (IKS), under the Ministry of Education.

Under the esteemed Bharatiya Gyan Samvardhan Yojana's Competitive Grants Program for 2022-23, the project led by Dr. Soobhankar Pati, Associate Professor at IIT Bhubaneswar, has secured funding for its exploration into unraveling the manufacturing methods of the iron beams at the Konark Sun Temple, shedding light on India's rich but forgotten technological prowess.

This initiative, as part of IKS's mission to promote interdisciplinary research and revive lost technology, aligns seamlessly with the vision of Bharatiya Gyan Samvardhan Yojana.

Dr. Pati, the project lead, highlighted that the study conducted will be non-destructive in nature, emphasizing that no physical changes would be made to the historic iron beams of Konark.

He said, "This project involves studying ancient technical knowledge, analyzing archaeological aspects, and socio-economic evaluations, leading to the recreation of an ancient iron-making laboratory in the future. Past records will also be revisited to find any missing links."

Dr. Naresh Chandra Sahu and Dr. Parthasarathi De from IIT Bhubaneswar; Dr. Siva Shankar Panda from the Archaeological Survey of India (ASI) have joined the project as the co-investigators. Additionally, Prof O.N. Mohanty, Ex-Professor, IIT Kharagpur, and Dr. D.B. Garnayak from the ASI have also joined as collaborators.

Corrosion studies conducted on-site using a portable machine have yielded promising results.

The Konark iron beams demonstrated corrosion resistance almost two orders higher than contemporary steel beams. Even though the iron beams may lack certain properties like ductility and weldability, Dr. Pati highlighted that invaluable lessons can be learned from the technological advancements of India's past.

The IIT Bhubaneswar team, along with co-investigators and collaborators, is dedicated to preserving and disseminating this invaluable knowledge.

The Statesman
18.12.2023

the pioneer

IIT BBS research on Sun Temple iron beams

As part of project under Indian Knowledge System

PNS ■ BHUBANESWAR

The Indian Institute of Technology (IIT) Bhubaneswar on Sunday announced that its "groundbreaking" research project titled "Forging the Past: Investigating the Manufacturing of Iron Beams Used in Konarka Sun Temple and Analysing Their Socio-Economic Impact on the Local Community," has been selected by the Indian Knowledge System (IKS) under the Union Ministry of Education.

Under the Bharatiya Gyan Samvardhan Yojana's Competitive Grants Programme for 2022-23, the project led by Dr Soobhankar Pati, Associate Professor, has secured funding for its exploration into unravelling the manufacturing methods of the iron beams at the Sun Temple, shedding light on India's rich but forgotten technological prowess.

Dr Pati said that no physical changes would be made to the historic iron beams of Konark. He stated, "This project involves studying ancient technical knowledge, analysing archaeological aspects and socio-economic evaluations, leading to the recreation of an ancient iron-making laboratory in the future. Past records will also be revisited to find any missing links."

Dr Naresh Chandra Sahu and Dr Parthasarathi De from IIT Bhubaneswar; Dr Siva Shankar Panda from the Archaeological Survey of India have joined the project as the co-investigators. Additionally, Prof ON Mohanty, ex-Professor, IIT Kharagpur, and Dr DB Garnayak from the ASI have joined as collaborators in this research.

The Pioneer
18.12.2023

AROUND ODISHA

IIT Bhubaneswar conducts research on Iron Beams of Konarka Sun Temple as part of a project under Indian Knowledge System

Bhubaneswar, (AOBureau) : Indian Institute of Technology (IIT) Bhubaneswar is thrilled to announce that its groundbreaking research project, titled "Forging the Past: Investigating the Manufacturing of Iron Beams Used in Konarka Sun Temple and Analyzing Their Socio-Economic Impact on the Local Community," has been selected by the Indian Knowledge System (IKS), under the Ministry of Education, Government of India. Under the esteemed Bharatiya Gyan Samvardhan Yojana's Competitive Grants Program for 2022-23, the project led by Dr. Soobhankar Pati, Associate Professor at IIT Bhubaneswar, has secured funding for its exploration into unraveling the manufacturing methods of the iron beams at the Konarka Sun Temple, shedding light on India's rich but forgotten technological prowess. This initiative, as part of IKS's mission to promote interdisciplinary research and revive lost technology, aligns seamlessly with the vision of Bharatiya Gyan Samvardhan Yojana. Dr. Pati, the project lead, highlighted that the study conducted will be non-destructive in nature, emphasizing that no physical changes would be made to the historic iron beams of Konarka. He stated, "This project involves studying ancient technical knowledge, analyzing archaeological aspects, and socio-economic evaluations, leading to the recreation of an ancient iron-making laboratory in the future. Past records will also be revisited to find any missing links." Dr. Naresh Chandra Sahu and Dr. Parthasarathi Defrom IIT Bhubaneswar; Dr. Siva Shankar Panda from the Archaeological Survey of India (ASI) have joined this project as the co-investigators. Additionally, Prof O.N. Mohanty, Ex-Professor, IIT Kharagpur, and Dr. D.B. Garnayak from the ASI have joined as collaborators in this research. In a noteworthy update on the project's progress, corrosion studies conducted on-site using a portable machine have yielded promising results. The Konarka iron beams demonstrated corrosion resistance almost two orders higher than contemporary steel beams. Even though the iron beams may lack certain properties like ductility and weldability, Dr. Pati highlighted that invaluable lessons can be learned from the technological advancements of India's past.

The Around Odisha
18.12.2023

iBGnews
News for the Earth, Rising the Bar...

IIT Bhubaneswar conducts research on the Iron Beams of Konarka Sun Temple as part of a project under the Indian Knowledge System

Konarka Sun Temple

Bhubaneswar, 17 December 2023: Indian Institute of Technology (IIT) Bhubaneswar is thrilled to announce that its groundbreaking research project, titled "Forging the Past: Investigating the Manufacturing of Iron Beams Used in Konarka Sun Temple and Analyzing Their Socio-Economic Impact on the Local Community," has been selected by the Indian Knowledge System (IKS), under the Ministry of Education, Government of India.

Under the esteemed Bharatiya Gyan Samvardhan Yojana's Competitive Grants Program for 2022-23, the project led by Dr. Soobhankar Pati, Associate Professor at IIT Bhubaneswar, has secured funding for its exploration into unraveling the manufacturing methods of the iron beams at the Konarka Sun Temple, shedding light on India's rich but forgotten technological prowess.

This initiative, as part of IKS's mission to promote interdisciplinary research and revive lost technology, aligns seamlessly with the vision of Bharatiya Gyan Samvardhan Yojana. Dr. Pati, the project lead, highlighted that the study conducted will be non-destructive in nature, emphasizing that no physical changes would be made to the historic iron beams of Konarka. He stated, "This project involves studying ancient technical knowledge, analyzing archaeological aspects, and socio-economic evaluations, leading to the recreation of an ancient iron-making laboratory in the future. Past records will also be revisited to find any missing links."

Dr. Naresh Chandra Sahu and Dr. Parthasarathi De from IIT Bhubaneswar; Dr. Siva Shankar Panda from the Archaeological Survey of India (ASI) have joined this project as the co-investigators. Additionally, Prof O.N. Mohanty, Ex-Professor, IIT Kharagpur, and Dr. D.B. Garnayak from the ASI have joined as collaborators in this research.

In a noteworthy update on the project's progress, corrosion studies conducted on-site using a portable machine have yielded promising results. The Konarka iron beams demonstrated corrosion resistance almost two orders higher than contemporary steel beams. Even though the iron beams may lack certain properties like ductility and weldability, Dr. Pati highlighted that invaluable lessons can be learned from the technological advancements of India's past.

This research not only contributes to IKS's mission but also showcases the potential for India to reclaim its historical technological glory. The IIT Bhubaneswar team, along with co-investigators and collaborators, is dedicated to preserving and disseminating this invaluable knowledge.

Link: https://ibgnews.com/2023/12/17/iit-bhubaneswar-conducts-research-on-the-iron-beams-of-konarka-sun-temple-as-part-of-a-project-under-the-indian-knowledge-system/

www.epaper.azadsipahi.com
कलम कलम बढ़ाये जा
आजाद सिपाही

आइआइटी भुवनेश्वर भारतीय ज्ञान प्रणाली के तहत कोणार्क सूर्य मंदिर के लौह बीम पर अनुसंधान करेगा

आजाद सिपाही संवाददाता

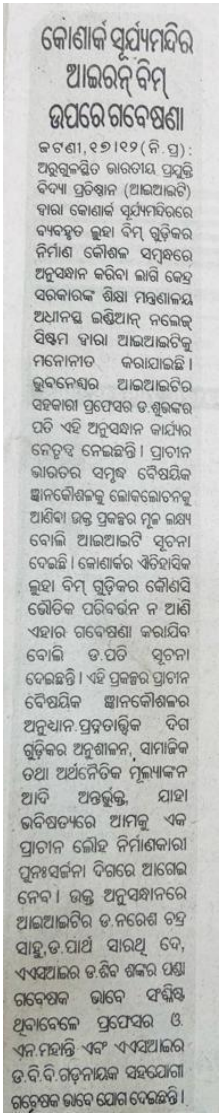
भुवनेश्वर। भारतीय प्रौद्योगिकी संस्थान (आइआइटी) भुवनेश्वर अपने अभूतपूर्व अनुसंधान प्रोजेक्ट की घोषणा करते हुए रोमांचित है, जिसका शीर्षक है फोर्जिंग द पास्टः कोणार्क सूर्य मंदिर में प्रयुक्त लौह बीम के निर्माण की जांच और उनके सामाजिक-आर्थिक प्रभाव का विश्लेषण स्थानीय समुदाय पर, भारत सरकार के शिक्षा मंत्रालय के तहत भारतीय ज्ञान प्रणाली (आइकेएस) द्वारा चुना गया है।

2022-23 के लिए प्रतिष्ठित भारतीय ज्ञान संवर्धन योजना के प्रतिस्पर्धी अनुदान कार्यक्रम के तहत, आइआइटी भुवनेश्वर के एसोसिएट प्रोफेसर डॉ शुभांकर पति के नेतृत्व वाली परियोजना ने कोणार्क सूर्य मंदिर में लौह बीम के निर्माण के तरीकों को उजागर करने के लिए अपनी खोज के लिए धन सुरक्षित किया है। भारत की समृद्ध लेकिन भुला दी गयी तकनीकी क्षमता पर प्रकाश डालता है। यह पहल, अंतः विषय अनुसंधान को बढ़ावा देने और खोई हुई प्रौद्योगिकी को पुनर्जीवित करने के आइकेएस के मिशन के हिस्से के रूप में, भारतीय ज्ञान संवर्धन योजना के दृष्टिकोण के साथ सहजता से संरेखित है। परियोजना के प्रमुख डॉ पति ने इस बात पर प्रकाश डाला कि किया गया अध्ययन प्रकृति में गैर-विनाशकारी होगा, उन्होंने इस बात पर जोर दिया कि कोणार्क के ऐतिहासिक लौह बीमों में कोई भौतिक परिवर्तन नहीं किया जायेगा। उन्होंने कहा, इस परियोजना में प्राचीन तकनीकी ज्ञान का अध्ययन, पुरातात्विक पहलुओं का विश्लेषण और सामाजिक-आर्थिक मूल्यांकन शामिल है, जिससे भविष्य में एक प्राचीन लोहा बनाने वाली प्रयोगशाला का पुनर्निर्माण किया जा सकेगा। किसी भी लापता लिंक को खोजने के लिए पिछले रिकॉर्ड को भी फिर से देखा जायेगा। आइआइटी भुवनेश्वर से डॉ नरेश चंद्र साहू और डॉ पार्थसारथी डे भारतीय पुरातत्व सर्वेक्षण (एएसआई) के डॉ शिव शंकर पांडा इस परियोजना में सह-जांचकर्ता के रूप में शामिल हुए हैं। इसके अतिरिक्त, प्रोफेसर ओ.एन. मोहंती, पूर्व प्रोफेसर, आइआइटी खड़गपुर, और डॉ डीबी इस शोध में एएसआइ से गार्नायक सहयोगी के रूप में शामिल हुए हैं। परियोजना की प्रगति पर एक उल्लेखनीय अद्यतन में, पोर्टेबल मशीन का उपयोग करके साइट पर किए गये संक्षारण अध्ययन से आशाजनक परिणाम मिले हैं।

कोणार्क लौह बीम ने समकालीन स्टील बीम की तुलना में लगभग दो ऑर्डर अधिक संक्षारण प्रतिरोध प्रदर्शित किया। भले ही लोहे के बीम में लचीलापन और वेल्डेबिलिटी जैसे कुछ गुणों की कमी हो, डॉ पति ने इस बात पर प्रकाश डाला कि भारत के अतीत की तकनीकी प्रगति से अमूल्य सबक सीखे जा सकते हैं। यह शोध न केवल आइकेएस के मिशन में योगदान देता है बल्कि भारत के लिए अपने ऐतिहासिक तकनीकी गौरव को पुनः प्राप्त करने की क्षमता को भी प्रदर्शित करता है। आइआइटी भुवनेश्वर टीम, सह-जांचकर्ताओं और सहयोगियों के साथ, इस अमूल्य ज्ञान को संरक्षित और प्रसारित करने के लिए समर्पित है।

Azad Sipahi
18.12.2023

Headline : IIT Bhubaneswar conducts research on Iron Beams of Konarka Sun Temple



କୋଣାର୍କ ସୂର୍ଯ୍ୟମନ୍ଦିର ଆଇରନ୍ ବିମ୍ ଉପରେ ଗବେଷଣା

ଭୁବନେଶ୍ୱର,୧୭।୧୨(ନି.ପ୍ର): ଅରୁଗୁଇପ୍ତିତ ଭାରତୀୟ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଦ୍ୱାରା କୋଣାର୍କ ସୂର୍ଯ୍ୟମନ୍ଦିରରେ ବ୍ୟବହୃତ ଲୁହା ବିମ୍ ଗୁଡ଼ିକର ନିର୍ମାଣ କୌଶଳ ସମ୍ବନ୍ଧରେ ଅନୁସନ୍ଧାନ କରିବା ଲାଗି କେନ୍ଦ୍ର ସରକାରଙ୍କ ଶିକ୍ଷା ମନ୍ତ୍ରଣାଳୟ ଅଧୀନସ୍ଥ ଇଣ୍ଡିଆନ୍ ନଲେଜ୍ ସିଷ୍ଟମ ଦ୍ୱାରା ଆଇଆଇଟିକୁ ମନୋନୀତ କରାଯାଇଛି। ଭୁବନେଶ୍ୱର ଆଇଆଇଟିର ସହଜାରୀ ପ୍ରଫେସର ଡ.ଶୁଭଙ୍କର ପତି ଏହି ଅନୁସନ୍ଧାନ କାର୍ଯ୍ୟର ନେତୃତ୍ୱ ନେଇଛନ୍ତି। ପ୍ରାଚୀନ ଭାରତର ସମୃଦ୍ଧ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳକୁ ଲୋକଲୋଚନକୁ ଆଣିବା ଉକ୍ତ ପ୍ରକଳ୍ପର ମୂଳ ଲକ୍ଷ୍ୟ ବୋଲି ଆଇଆଇଟି ସୂତ୍ର ଜଣାଇଛି। କୋଣାର୍କର ଐତିହାସିକ ଲୁହା ବିମ୍ ଗୁଡ଼ିକର କୌଣସି ଭୌତିକ ପରିବର୍ତ୍ତନ ନ ଆଣି ଏହାର ଗବେଷଣା କରାଯିବ ବୋଲି ଡ.ପତି ସୂଚନା ଦେଇଛନ୍ତି। ଏହି ପ୍ରକଳ୍ପର ପ୍ରାଚୀନ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳର ଅନୁଧ୍ୟାନ ପ୍ରତ୍ନତାତ୍ତ୍ୱିକ ଦିଗ ଗୁଡ଼ିକର ଅନୁଶୀଳନ, ସାମାଜିକ ତଥା ଅର୍ଥନୈତିକ ମୂଲ୍ୟାଙ୍କନ ଆଦି ଅନ୍ତର୍ଭୁକ୍ତ, ଯାହା ଭବିଷ୍ୟତ୍ୟରେ ଆମକୁ ଏକ ପ୍ରାଚୀନ ଲୌହ ନିର୍ମାଣକାରୀ ପୁନଃସର୍ଜନା ଦିଗରେ ଆଗେଇ ନେବ। ଉକ୍ତ ଅନୁସନ୍ଧାନରେ ଆଇଆଇଟିର ଡ.ନଗେଶ ଚନ୍ଦ୍ର ସାହୁ,ଡ.ପାର୍ଥ ସାରଥି ଦେ, ଏଏସ୍ଆଇର ଡ.ଶିବ ଶଙ୍କର ପଣ୍ଡା ଗବେଷକ ଭାବେ ସଂଶ୍ଳିଷ୍ଟ ଥିବାବେଳେ ପ୍ରଫେସର ଓ. ଏନ.ମହାନ୍ତି ଏବଂ ଏଏସ୍ଆଇର ଡ.ବି.ବି.ଗଡ଼ନାୟକ ସହଯୋଗୀ ଗବେଷକ ଭାବେ ଯୋଗ ଦେଇଛନ୍ତି।

The Samaja
18.12.2023

ପ୍ରମେୟ
THE PRAMEYA

Headline: IIT Bhubaneswar conducts research on Iron Beams of Konarka Sun Temple

କୋଣାର୍କ ସୂର୍ଯ୍ୟମନ୍ଦିର ଆଇରନ୍ ବିମ୍ ଉପରେ ଗବେଷଣା

ପ୍ରାଚୀନ ଭାରତର ସମୃଦ୍ଧ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳ ଲୋକଲୋଚନକୁ ଅଣାଯିବା ଲକ୍ଷ୍ୟ

ଜଟଣୀ,୧୭।୧୨(ଆପ୍ର): କୋଣାର୍କ ସୂର୍ଯ୍ୟମନ୍ଦିର ଉପରେ ଜଟଣୀସ୍ଥ ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଗବେଷଣା କରୁଛି। ମୁଖ୍ୟତଃ ଏହାର ଆଇରନ୍ ବିମ୍ ଉପରେ ଏହି ଗବେଷଣା ଚାଲିଛି । ପ୍ରାରମ୍ଭିକ ଅନୁଧ୍ୟାନରୁ ସଫଳତା ମଧ୍ୟ ମିଳିଛି। ଏପରି ଏକ ମହତ୍ୱପୂର୍ଣ୍ଣ ଗବେଷଣା ପାଇଁ ଏହି ଆଇଆଇଟିକୁ କେନ୍ଦ୍ର ଶିକ୍ଷା ମନ୍ତ୍ରଣାଳୟ ଅଧିନ ଭାରତୀୟ ଜ୍ଞାନ ପ୍ରଣାଳୀ(ଆଇକେଏସ୍) ଚୟନ କରିଛି । ଆଇଆଇଟିର ଆସୋସିଏଟ୍ ପ୍ରଫେସର ଡ.ଶୁଭଙ୍କର ପତିଙ୍କ ନେତୃତ୍ୱରେ ଏକ ଟିମ୍ ଦ୍ୱାରା କୋଣାର୍କ ସୂର୍ଯ୍ୟମନ୍ଦିରରେ ବ୍ୟବହୃତ ଲୁହା ବିମ୍‌ଗୁଡିକର ନିର୍ମାଣ କୌଶଳ ଉପରେ ଅନୁଧ୍ୟାନ କରୁଛନ୍ତି। ଏହି ପ୍ରୋଜେକ୍ଟ ମାଧ୍ୟମରେ ଅନୁଧ୍ୟାନ କରାଯାଇ ପ୍ରାଚୀନ ଭାରତର ସମୃଦ୍ଧ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳକୁ ଲୋକ ଲୋଚନକୁ ଅଣାଯିବା ଲକ୍ଷ୍ୟ ରହିଛି। ଏଥିପାଇଁ ଭାରତୀୟ ଜ୍ଞାନ ସମ୍ବର୍ଦ୍ଧନା ଯୋଜନାର କମିଟିଟିଭ୍ ଗ୍ରାଣ୍ଟସ୍ କାର୍ଯ୍ୟକ୍ରମ ଅଧିନରେ ୨୦୨୨-୨୩ ବର୍ଷପାଇଁ ଅନଧ୍ୟାନ ନିମନ୍ତେ ଅନୁଦାନ ଲାଭ କରି କାର୍ଯ୍ୟ କରୁଅଛି। ଜ୍ଞାନର ବିଭିନ୍ନ ଶାଖା ସମ୍ବନ୍ଧୀୟ ଗବେଷଣାକୁ ପୋଷାହିତ କରିବା ତଥା ଲୁପ୍ତ ବୈଷୟିକ ଓ ପ୍ରଯୁକ୍ତିବିଦ୍ୟାକୁ ପୁନର୍ଜିବିତ ବା ପୁନବ୍ୟବହାର କରିବା ଦିଗରେ ଆଇକେଏସ୍ ମିଶନର ଅଂଶ ଭାବେ ଆଇଆଇଟି ଏହି ପ୍ରୋଜେକ୍ଟଟି ଭାରତୀୟ ଜ୍ଞାନ ସମ୍ବର୍ଦ୍ଧନା ଯୋଜନା ସହିତ ସମାନ୍ତରାଳ ଅଟେ। ପ୍ରୋଜେକ୍ଟର ମୁଖ୍ୟ ଡକ୍ଟର ପତି କହନ୍ତି ଏହି ଗବେଷଣା ମଧ୍ୟରେ କୋଣାର୍କ ସୂର୍ଯ୍ୟମନ୍ଦିରର ଐତିହାସିକ ଲୁହାବିମ୍ ଗୁଡିକରେ କୌଣସି କ୍ଷତି ନକରି ଓ ଭୌତିକ ପରିବର୍ତ୍ତନ ନଆଣି ଅନୁଧ୍ୟାନ କାର୍ଯ୍ୟ କରାଯାଉଛି। ଏହାମଧ୍ୟରେ ପ୍ରାଚୀନ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳର ଅନୁଧ୍ୟାନ, ପ୍ରତ୍ନତାତ୍ୱିକ ଦିଗଗୁଡିକର ଅନୁଶୀଳନ ଓ ସାମାଜିକ ତଥା ଅର୍ଥନୈତିକ ମୂଲ୍ୟାଙ୍କନ ଆଦି ଅନ୍ତର୍ଭୁକ୍ତ ରହିଛି। ଯାହା ଭବିଷ୍ୟତରେ ଆମକୁ ଏକ ପ୍ରାଚୀନ ଲୌହ ନିର୍ମାଣକାରୀ ପ୍ରୟୋଗ ଶାଳାର ପୁନଃସର୍ଜନା ଦିଗରେ ଆଗେଇ ନେବ। ମିଳୁନଥିବା କୌଣସି ତଥ୍ୟର ଅନୁଧ୍ୟାନ ପାଇଁ ପୁରୁଣା ରେକର୍ଡଗୁଡିକର ମଧ୍ୟ ପୁନଃ ସମୀକ୍ଷା କରାଯାଇଛି। ପ୍ରାରମ୍ଭିକ ଅନୁଧ୍ୟାନ ମଧ୍ୟରେ ପୋର୍ଟେବଲ ମେସିନ୍ ବ୍ୟବହାର କରାଯାଇ ଅନ୍‌ସାଇଟ୍‌ରେ କରାଯାଇଥିବା କ୍ରମକ୍ଷୟ ଅଧ୍ୟୟନରେ ଆଶାଜନକ ଫଳାଫଳ ମିଳିଛି। କୋଣାର୍କ ସୂର୍ଯ୍ୟମନ୍ଦିର ଲୁହା ବିମ୍‌ଗୁଡିକ ସମସାମୟିକ ଇସ୍ପାତ ବିମ୍ ଅପେକ୍ଷା ପ୍ରାୟ ଦୁଇ ଅର୍ଡର ଅଧିକ କ୍ଷୟ ପ୍ରତିରୋଧ ଶକ୍ତି ପ୍ରଦର୍ଶନ କରିଥିଲା। ଏନେଇ ଡ. ପତି କହନ୍ତି ଯଦିଓ ଲୁହା ବିମ୍‌ଗୁଡ଼ିକରେ ବିଶ୍ୱାସନୀୟତା ଓ ନମନୀୟତା ଭଳି କିଛି ଗୁଣର ଅଭାବ ଥାଇପାରେ, କିନ୍ତୁ ଭାରତର ଅତୀତ ବୈଷୟିକ ଜ୍ଞାନ କୌଶଳରୁ ଅମୂଲ୍ୟ ଶିକ୍ଷା ଗ୍ରହଣ କରାଯାଇପାରିବ। ଏହି ମହତ୍ୱପୂର୍ଣ୍ଣ ପ୍ରୋଜେକ୍ଟରେ ଅନ୍ୟମାନଙ୍କ ମଧ୍ୟରେ ଆଇଆଇଟିର ଡକ୍ଟର ନରେଶଚନ୍ଦ୍ର ସାହୁ, ଡକ୍ଟର ପାର୍ଥସାରଥୀ ଦେ, ଭାରତୀୟ ପ୍ରତ୍ନତାତ୍ୱିକ ସଂସ୍ଥାନର ଡ. ଶିବଶଙ୍କର ପଣ୍ଡା ସହଯୋଗୀ ଗବେଷକ ଭାବେ ରହିଛନ୍ତି। ଏଥିସହିତ ଖଡ଼ଗପୁର ଆଇଆଇଟିର ପୂର୍ବତନ ପ୍ରଫେସର ଓଏନ୍ ମହାନ୍ତି ଓ ଏସ୍‌ଏସ୍‌ଆଇର ଡ.ବିବି ଗଡ଼ନାୟକ ମଧ୍ୟ ଏହି ପ୍ରୋଜେକ୍ଟରେ ସହଯୋଗୀ ଭାବେ ରହିଛନ୍ତି।

The Prameya
18.12.2023

ସମୟ
SAMAYA
ପ୍ରତିଷ୍ଠାତା - ବସନ୍ତ କୁମାର ବିଶ୍ୱାଳ

Headline : IIT Bhubaneswar conducts research on Iron Beams of Konarka Sun Temple

ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ଦ୍ୱାରା କୋଣାର୍କ ସୂର୍ଯ୍ୟ ମନ୍ଦିରର ଆଇରନ୍ ବିମ୍ ଉପରେ ଗବେଷଣା

ଜଟଣୀ(ସବ୍ୟୁ): ଭାରତୀୟ ପଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭୁବନେଶ୍ୱରର ଏକ ମହତ୍ୱପୂର୍ଣ୍ଣ ଗବେଷଣା ପ୍ରକଳ୍ପ କେନ୍ଦ୍ର ଶିକ୍ଷା ମନ୍ତ୍ରଣାଳୟ ଅଧିନସ୍ଥ ଇଣ୍ଡିଆନ୍ ନଜେଲ୍ ସିଷ୍ଟମ (ଆଇକେଏସ୍) ଦ୍ୱାରା ଚୟନ କରାଯାଇଛି । ଏହି ଗବେଷଣା ପ୍ରକଳ୍ପର ଶୀର୍ଷକ ଫୋର୍ଜିଂ ଦି ପାଷ୍ଟ : ଇନଭେଷ୍ଟିଗେଟିଂ ଦି ମାନୁଫାକଚରିଂ ଅଫ୍ ଆଇରନ୍ ବିମ୍ସଇନ୍ କୋଣାର୍କ ସନ୍ ଟେମ୍ପଲ ଆଣ୍ଡ ଆନାଲାଇଜିଙ୍ଗ୍ ଦେୟାର ସୋସିଓ – ଇକୋନୋମିକ୍ ଇମ୍ପାକ୍ଟ ଅନ୍ ଲୋକାଲ୍ କମ୍ୟୁନିଟି। ମର୍ଯ୍ୟାଦାଜନକ ଭାରତୀୟ ଜ୍ଞାନ ସମର୍ଦ୍ଧନା ଯୋଜନାର କମିଟିଭିସ୍ ଗ୍ରାସ୍ କାର୍ଯ୍ୟକ୍ରମ ଅଧୀନରେ ୨୦୨୨–୨୩ବର୍ଷରେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ଆସୋସିଏଟ୍ ପ୍ରଫେସର ଡକ୍ଟର ଶୁଭଙ୍କର ପ୍ରତିଙ୍କ ନେତୃତ୍ୱରେ ଏହି ପ୍ରକଳ୍ପଟି କୋଣାର୍କ ସୂର୍ଯ୍ୟ ମନ୍ଦିରରେ ବ୍ୟବହୃତ ଲୁହା ବିମଗୁଡ଼ିକର ନିର୍ମାଣକୌଶଳ ସମ୍ବନ୍ଧରେ ଅନୁସନ୍ଧାନ କରିବା ନିମନ୍ତେ ଅନୁଦାନ ଲାଭ କରିଛି । ଏହି ପ୍ରକଳ୍ପଟି ପ୍ରାଚୀନ ଭାରତର ସମୃଦ୍ଧ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳକୁ ଲୋକଲୋଚନକୁ ଆଣିବା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ । ଅନ୍ତର୍ବିଭାଗୀୟ ଗବେଷଣାକୁ ପ୍ରୋତ୍ସାହିତ କରିବା ତଥା ଲୁପ୍ତ ବୈଷୟିକ ଓ ପ୍ରଯୁକ୍ତିବିଦ୍ୟାକୁ ପୁନର୍ଜୀବିତ କରିବା ଦିଗରେ ଆଇକେଏସର ଧ୍ୟେୟର ଅଂଶଭାବେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ଏହି ପ୍ରକଳ୍ପଟି ଭାରତୀୟ ଜ୍ଞାନ ସମର୍ଦ୍ଧନା ଯୋଜନାର ଲକ୍ଷ୍ୟ ସହ ଭାବେ ସମାନ୍ତରାଳ ।

The Samaya
19.12.2023

ଓଡ଼ିଶାର ଏକମାତ୍ର ନିରପେକ୍ଷ ଦୈନିକ
ପ୍ରଗତିବାଦୀ
ପ୍ରତିଷ୍ଠାତା ପ୍ରଦ୍ୟୁମ୍ନ ବଳ ■ FOUNDER PRADYUMNA BAL
PRAGATIVADI

Headline : IIT Bhubaneswar conducts research on Iron Beams of Konarka Sun Temple

କୋଣାର୍କ ସୂର୍ଯ୍ୟ ମନ୍ଦିର ଆଇରନ ବିମ୍ ଉପରେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ଗବେଷଣା

■ ଭୁବନେଶ୍ୱର, ଡାଟା୧୨(ପିଏନଏସ)
ଏକ ଉଲ୍ଲେଖନୀୟସଫଳତା କ୍ରମେ, ଭାରତୀୟ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭୁବନେଶ୍ୱରର ଏକ ମହତ୍ୱପୂର୍ଣ୍ଣ ଗବେଷଣା ପ୍ରକଳ୍ପ କେନ୍ଦ୍ର ଶିକ୍ଷା ମନ୍ତ୍ରାଳୟ ଅଧିନସ୍ଥ ଇଣ୍ଡିଆନ ନଲେଜ ସିଷ୍ଟମ (ଆଇକେଏସ) ଦ୍ୱାରା ଚୟନ କରାଯାଇଛି । ଏହି ଗବେଷଣା ପ୍ରକଳ୍ପର ଶୀର୍ଷକ: 'ଫୋର୍ଜିଂ ଦି ପାଷ୍ଟ : ଇନଭେଷ୍ଟିଗେଟିଂ ଦି ମାନୁଫାକଚରିଂ ଅଫ୍ ଆଇରନ ବିମ୍ ଇନ୍ କୋଣାର୍କ ସନ ଟେମ୍ପଲ ଆଣ୍ଡ ଆନାଲାଇଜିଙ୍ଗ ଦେୟାର ସୋସିଓ-ଇକୋନୋମିକ ଇମ୍ପାକ୍ଟ ଅନ ଲୋକାଲ କମ୍ୟୁନିଟି' । ମର୍ଯ୍ୟାଦାଜନକ ଭାରତୀୟ ଜ୍ଞାନ ସମ୍ବର୍ଦ୍ଧନ ଯୋଜନାର କମିଟିଟିଭ ଗ୍ରାଣ୍ଟସ କାର୍ଯ୍ୟକ୍ରମ ଅଧୀନରେ ୨୦୨୨-୨୩ ବର୍ଷରେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ଆସୋସିଏଟ ପ୍ରଫେସର ଡକ୍ଟର ଶୁଭଙ୍କର ପତିଙ୍କ ନେତୃତ୍ୱରେ ଏହି ପ୍ରକଳ୍ପଟି କୋଣାର୍କ ସୂର୍ଯ୍ୟ ମନ୍ଦିରରେ ବ୍ୟବହୃତ ଲୁହା ବିମଗୁଡ଼ିକର ନିର୍ମାଣ କୌଶଳ ସମ୍ବନ୍ଧରେ ଅନୁସନ୍ଧାନ କରିବା ନିମନ୍ତେ ଅନୁଦାନ ଲାଭ କରିଛି । ଏହି ପ୍ରକଳ୍ପଟି ପ୍ରାଚୀନ ଭାରତର ସମୃଦ୍ଧ ବୈଷୟିକ ଜ୍ଞାନ କୌଶଳକୁ ଲୋକ ଲୋଚନକୁ ଆଣିବା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ । ଆନ୍ତର୍ବିଭାଗୀୟ ଗବେଷଣାକୁ ପ୍ରୋତ୍ସାହିତ କରିବା ତଥା ଲୁପ୍ତ ବୈଷୟିକ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟାକୁ ପୁନର୍ଜୀବିତ କରିବା ଦିଗରେ ଆଇକେଏସର ଧ୍ୟେୟର ଅଂଶଭାବେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ଏହି ପ୍ରକଳ୍ପଟି ଭାରତୀୟ ଜ୍ଞାନ ସମ୍ବର୍ଦ୍ଧନ ଯୋଜନାର ଲକ୍ଷ୍ୟ ସହ ଭାବେ ସମାନ୍ତରାଳ । ପ୍ରକଳ୍ପର ମୁଖ୍ୟ ଗବେଷକ ଡକ୍ଟର ଶୁଭଙ୍କର ପତି ଏ ସମ୍ପର୍କରେ ଉଲ୍ଲେଖ କରି କହିଛନ୍ତି ଯେ, ଏହି ଗବେଷଣାଟି କୋଣାର୍କର ଐତିହାସିକ ଲୁହାବିମ ଗୁଡ଼ିକରେ କୌଣସି ଭୌତିକ ପରିବର୍ତ୍ତନ ନଆଣି ବିନା କୌଣସି କ୍ଷତିରେ ସଂଗଠିତ ହେବ । ସେ ସୂଚନା ଦେଇଛନ୍ତି ଯେ, ଏହି ପ୍ରକଳ୍ପରେ ପ୍ରାଚୀନ ବୈଷୟିକ ଜ୍ଞାନ କୌଶଳର ଅନୁଧ୍ୟାନ, ପ୍ରତ୍ନତାତ୍ତ୍ୱିକ ଦିଗ ଗୁଡିକର ଅନୁଶୀଳନ ଏବଂ ସାମାଜିକ ତଥା ଅର୍ଥନୈତିକ ମୂଲ୍ୟାଙ୍କନ ଆଦି ଅନ୍ତର୍ଭୁକ୍ତ, ଯାହାକି ଭବିଷ୍ୟତରେ ଆମକୁ ଏକ ପ୍ରାଚୀନ ଲୌହ ନିର୍ମାଣକାରୀ ଗବେଷଣାଗାରର ପୁନଃ ସର୍ଜନା ଦିଗରେ ଆଗେଇ ନେବ । ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ଡକ୍ଟର ନରେଶ ଚନ୍ଦ୍ର ସାହୁ ଓ ଡକ୍ଟର ପାର୍ଥସାରଥୀ ଦେ ଏବଂ ଭାରତୀୟ ପ୍ରତ୍ନତାତ୍ତ୍ୱିକ ସର୍ବେକ୍ଷଣ ସଂସ୍ଥାନ (ଏଏସଆଇ) ର ଡକ୍ଟର ଶିବ ଶଙ୍କର ପଣ୍ଡା ପ୍ରମୁଖ ସହଯୋଗୀ ଗବେଷକଭାବେ ସଂଶ୍ଲିଷ୍ଟ ଅଛନ୍ତି ।

The Pragativadi
19.12.2023

THE SAKALA

Headline : IIT Bhubaneswar conducts research on Iron Beams of Konarka Sun Temple

କୋଣାର୍କ ସୂର୍ଯ୍ୟମନ୍ଦିର ଲୁହା ବିମ୍ ଉପରେ ଗବେଷଣା

ଭୁବନେଶ୍ୱର, ୧୮ ।୧୨(ସମିସ): କୋଣାର୍କ ସୂର୍ଯ୍ୟ ମନ୍ଦିର ଉପରେ ଭୁବନେଶ୍ୱରସ୍ଥିତ ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଗବେଷଣା କରୁଛି। ମୁଖ୍ୟତଃ ଏଥିରେ ବ୍ୟବହୃତ ହୋଇଥିବା ଲୁହା ବିମ୍‌ଗୁଡ଼ିକର ନିର୍ମାଣ କୌଶଳ ସମ୍ପର୍କରେ ଅନୁସନ୍ଧାନ କରାଯାଉଛି। ପ୍ରାଥମିକ ଭାବେ ଏହା ସଫଳତା ମଧ୍ୟ ପାଇଛି। ଏହି ଗବେଷଣାକୁ ଅନୁଦାନ ଦେବା ନିମନ୍ତେ କେନ୍ଦ୍ର ଶିକ୍ଷା ମନ୍ତ୍ରାଳୟର ଇଣ୍ଡିଆନ ନଲେଜ୍ ସିଷ୍ଟମ (ଆଇକେଏସ) ମନୋନୀତ କରିଛି। ଆଇଆଇଟିର ଆସୋସିଏଟ୍ ପ୍ରଫେସର୍ ଡକ୍ଟର ଶୁଭାଙ୍କର ପଣ୍ଡିତ ନେତୃତ୍ୱରେ ଏହି ଅନୁଧ୍ୟାନ ଜାରି ରହିଛି।

ଲୋକଲୋଚନକୁ ଆସିବ ପ୍ରାଚୀନ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳ

ଏହା ଦ୍ୱାରା ପ୍ରାଚୀନ ଭାରତର ସମୃଦ୍ଧ ବୈଷୟିକ ଜ୍ଞାନ କୌଶଳକୁ ଲୋକଲୋଚନକୁ ଆଣିବାକୁ ପ୍ରୟାସ କରାଯାଇଛି। ଏଥିପାଇଁ ଆଇକେଏସ୍ ଯୋଜନାର କମିଟିଟିଭ୍ ଗ୍ରାଣ୍ଟସ୍ କାର୍ଯ୍ୟକ୍ରମ ଅଧୀନରେ ୨୦୨୨-୨୩ରେ ଅନୁଧ୍ୟାନ ପାଇଁ ଅନୁଦାନ ପାଇଛି। ପ୍ରକଳ୍ପର ମୁଖ୍ୟ ଡକ୍ଟର ପଣ୍ଡି ଜଣାଇଛନ୍ତି, ଗବେଷଣା ମାଧ୍ୟମରେ କୋଣାର୍କର ଲୁହା ବିମ୍‌ଗୁଡ଼ିକରେ କୌଣସି ଗୌଡିକ ପରିବର୍ତ୍ତନ ନଜରି ଗବେଷଣା କରାଯାଉଛି। ପ୍ରାଚୀନ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳର ଅନୁଧ୍ୟାନ, ପ୍ରତ୍ନତାତ୍ତ୍ୱିକ ଦିଗର ଅନୁଶୀଳନ, ସାମାଜିକ ତଥା ଅର୍ଥନୈତିକ ମୂଲ୍ୟାଙ୍କନ ଆଦି ଅନ୍ତର୍ଭୁକ୍ତ। ଆଇଆଇଟିର ଡ. ଜଗଦୀଶ ଚନ୍ଦ୍ର ସାହୁ ଓ ଡ. ପାର୍ଥସାରଥି ଦେ ଏବଂ ଭାରତୀୟ ପ୍ରତ୍ନତାତ୍ତ୍ୱିକ ସର୍ବେକ୍ଷଣ ସଂସ୍ଥାନ (ଏଏସ୍‌ଆଇ)ର ଡ. ଶିବଶଙ୍କର ପଣ୍ଡା ପ୍ରମୁଖ ସହଯୋଗୀ ଗବେଷକ ଭାବେ କାର୍ଯ୍ୟ କରୁଛନ୍ତି। ଏମାନଙ୍କ ସହ ଆଇଆଇଟି ଖଡ଼ଗପୁରର ପୂର୍ବତନ ପ୍ରଫେସର ଓଏନ୍ ମହାନ୍ତି ଓ ଏଏସ୍‌ଆଇର ଡ. ଡିବି ଗଡ଼ନାୟକ ମଧ୍ୟ ପ୍ରକଳ୍ପରେ ସହଯୋଗୀ ଭାବେ ଯୋଗ ଦେଇଛନ୍ତି।

The Sakala
19.12.2023

ସୂର୍ଯ୍ୟପ୍ରଭା
SURYAPRAVA

Headline : IIT Bhubaneswar conducts research on Iron Beams of Konarka Sun Temple

ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ଦ୍ୱାରା ସୂର୍ଯ୍ୟ ମନ୍ଦିରର ଆଇରନ୍ ବିମ୍ ଉପରେ ଗବେଷଣା

॥ ପ୍ରଭାନ୍ୟୁଜ୍ ॥ ଜଟଣୀ, ୧୭।୧୨: ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭୁବନେଶ୍ୱରର ଏକ ମହତ୍ୱପୂର୍ଣ୍ଣ ଗବେଷଣା ପ୍ରକଳ୍ପ କେନ୍ଦ୍ର ଶିକ୍ଷା ମନ୍ତ୍ରାଳୟ ଅଧିନସ୍ଥ ଇଣ୍ଡିଆନ ନଲେଜ୍ ସିଷ୍ଟମ (ଆଇକେଏସ) ଦ୍ୱାରା ଚୟନ କରାଯାଇଛି । ଏହି ଗବେଷଣା ପ୍ରକଳ୍ପର ଶୀର୍ଷକ: ଫୋର୍ଜିଂ ଦି ପାଷ୍ଟ: ଇନଭେସ୍ଟିଗେଟିଂ ଦି ମାନୁଫାକଚରିଂ ଅଫ୍ ଆଇରନ୍ ବିମ୍ସ ଇନ୍ କୋଣାର୍କ ସନ୍ ଟେମ୍ପଲ ଆଣ୍ଡ୍ ଆନାଲାଇଜିଙ୍ଗ ଦେୟାର ସୋସିଓ-ଇକୋନୋମିକ ଇମ୍ପାକ୍ଟ ଅନ୍ ଲୋକାଲ କମ୍ୟୁନିଟି । ମର୍ଯ୍ୟାଦାଜନକ ଭାରତୀୟ ଜ୍ଞାନ ସମର୍ଦ୍ଧନ ଯୋଜନାର କମ୍ପିଟିଟିଭ୍ ଗ୍ରାଣ୍ଟସ କାର୍ଯ୍ୟକ୍ରମ ଅଧୀନରେ ୨୦୨୨-୨୩ ବର୍ଷରେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ଆସୋସିଏଟ୍ ପ୍ରଫେସର ଡକ୍ଟର ଶୁଭଙ୍କର ପତିଙ୍କ ନେତୃତ୍ୱରେ ଏହି ପ୍ରକଳ୍ପଟି କୋଣାର୍କ ସୂର୍ଯ୍ୟ ମନ୍ଦିରରେ ବ୍ୟବହୃତ ଲୁହା ବିମ୍ଗୁଡ଼ିକର ନିର୍ମାଣକୌଶଳ ସମ୍ବନ୍ଧରେ ଅନୁସନ୍ଧାନ କରିବା ନିମନ୍ତେ ଅନୁଦାନ ଲାଭ କରିଛି । ଏହି ପ୍ରକଳ୍ପଟି ପ୍ରାଚୀନ ଭାରତର ସମୃଦ୍ଧ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳକୁ ଲୋକଲୋଚନକୁ ଆଣିବା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ । ଆନ୍ତବିଭାଗୀୟ ଗବେଷଣାକୁ ପ୍ରୋତ୍ସାହିତ କରିବା ତଥା ଲୁପ୍ତ ବୈଷୟିକ ଓ ପ୍ରଯୁକ୍ତିବିଦ୍ୟାକୁ ପୁନର୍ଜୀବିତ କରିବା ଦିଗରେ ଆଇକେଏସର ଧେୟର ଅଂଶ ଭାବେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ଏହି ପ୍ରକଳ୍ପଟି ଭାରତୀୟ ଜ୍ଞାନ ସମର୍ଦ୍ଧନ ଯୋଜନାର ଲକ୍ଷ୍ୟ ସହ ସମାନ୍ତରାଳ୍ୟ ପ୍ରକଳ୍ପର ମୁଖ୍ୟ ଗବେଷକ ଡକ୍ଟର ଶୁଭଙ୍କର ପତି ଏ ସମ୍ପର୍କରେ ଉଲ୍ଲେଖ କରି କହିଛନ୍ତି ଯେ, ଏହି ଗବେଷଣାଟି କୋଣାର୍କର ଐତିହାସିକ ଲୁହା ବିମ ଗୁଡ଼ିକରେ କୌଣସି ଭୌତିକ ପରିବର୍ତ୍ତନ ନ ଆଣି ବିନା କୌଣସି କ୍ଷତିରେ ସଂଗଠିତ ହେବ । ସେ ସୂଚନା ଦେଇଛନ୍ତି ଯେ, ଏହି ପ୍ରକଳ୍ପରେ ପ୍ରାଚିନ ବୈଷୟିକ ଜ୍ଞାନକୌଶଳର ଅନୁଧାନ, ପ୍ରତ୍ନତାତ୍ତ୍ୱିକ ଦିଗଗୁଡିକର ଅନୁଶୀଳନ ଏବଂ ସାମାଜିକ ତଥା ଅର୍ଥନୈତିକ ମୂଲ୍ୟାଙ୍କନ ଆଦି ଅନ୍ତର୍ଭୁକ୍ତ, ଯାହାକି ଭବିଷ୍ୟତରେ ଆମକୁ ଏକ ପ୍ରାଚୀନ ଲୌହନିର୍ମାଣକାରୀ ଗବେଷଣାଗାରର ପୁନଃସର୍ଜନା ଦିଗରେ ଆଗେଇ ନେବ । କୌଣସି ଅନୁପଲବ୍ଧ ତଥ୍ୟର ଅନୁସନ୍ଧାନ ପାଇଁ ପୁରୁଣା ରେକର୍ଡଗୁଡ଼ିକର ମଧ୍ୟ ପୁନଃସମୀକ୍ଷା କରାଯିବ । ଏହି ପ୍ରଭାବଶାଳୀ ପ୍ରକଳ୍ପରେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ଡକ୍ଟର ନରେଶ ଚନ୍ଦ୍ର ସାହୁ ଓ ଡକ୍ଟର ପାର୍ଥସାରଥୀ ଦେ ଏବଂ ଭାରତୀୟ ପ୍ରତ୍ନତାତ୍ତ୍ୱିକ ସର୍ବେକ୍ଷଣ ସଂସ୍ଥାନ (ଏଏସଆଇ)ର ଡକ୍ଟର ଶିବ ଶଙ୍କର ପଣ୍ଡା ପ୍ରମୁଖ ସହଯୋଗୀ ଗବେଷକ ଭାବେ ସଂଶ୍ଳିଷ୍ଟ ଅଛନ୍ତି । ଏହି ଗବେଷଣା କେବଳ ଯେ ଇଣ୍ଡିଆନ ନଲେଜ ସିଷ୍ଟମର ଲକ୍ଷ୍ୟ ହାସଲରେ ସହାୟକ ହେବ ତାହା ନୁହେଁ ବରଂ ଏହା ଭାରତର ଐତିହାସିକ ବୈଷୟିକ ସମୃଦ୍ଧିକୁ ପୁନରୁଦ୍ଧାର କରିବା ପାଇଁ ଦେଶର ଦକ୍ଷତାର ମଧ୍ୟ ପରିଚୟକ ଅଟେ ।

The Suryaprava
18.12.2023