भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	PIB		
Date	15th April, 2024	Language	English
Headline	**IIT Bhubaneswar is ready with new Programs and several new Courses for Fall 2024**		
Link	https://pib.gov.in/PressReleasePage.aspx?PRID=2017957		

IIT Bhubaneswar is ready with new Programs and several new Courses for Fall 2024

Interdisciplinary Blended-mode M.Tech. degree Program in 'Advanced Maintenance Technology' specially for engineers working in industry

M.Tech. degree Program in Semiconductor Technology and Chip Design

Posted On: 15 APR 2024 4:53PM by PIB Bhubaneshwar

Indian Institute of Technology (IIT) Bhubaneswar has launched, in line with the emerging technology trends and industry needs, two new Programs and several new courses for the upcoming Fall 2024 session. The two new Programs include (a) an Interdisciplinary Blended-mode M.Tech. Degree in "Advanced Maintenance Technology", meant especially for engineers working in the industry and (b) a M.Tech. Degree in "Semiconductor Technology and Chip Design", meant for regular students.

Blended-mode M.Tech. Degree in 'Advanced Maintenance Technology':

Timely maintenance of equipment and systems in industry is key to sustainability of operations, productivity and quality. The new M.Tech. Program aims to educate and train engineers working in industries so as to enhance the sustainability and productivity of industries and increase industry-academia interaction. The interdisciplinary Program offers a modern mix of relevant and advanced courses from mechanical, civil, electrical, metallurgical and materials engineering, with a special focus on maintenance issues related to corrosion, welding, vibration, structures, and also development of digital twins for diagnosing failures. The registration details are available at: https://webapps.iitbbs.ac.in/mtech_blended-app/. This Program also includes the study and application of "Chaos in dynamical systems". One research group has already discovered a new chaotic attractor, which has been successfully tested in some industrial systems for failure detection. This attractor is proving vital for failure prediction/detection in dynamical systems.

M.Tech. Degree Program in Semiconductor Technology and Chip Design:

India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub. Recent milestones include a new semiconductor fab and two Outsourced Assembly and Testing (OSAT) facilities, with a total investment of INR 1.25 Lakh Crore. The related projects will create thousands of technology jobs and start-up opportunities, producing chips with 28 nm, 40 nm, and 90 nm transistors. ISM's focus on compound semiconductors like Gallium Nitride and Silicon Carbide will cater to India's defense, space, and Electric Vehicle transportation needs. To support this growth by creating skilled professionals, the School of Electrical Sciences at IIT Bhubaneswar has launched an M.Tech. program in Semiconductor Technology and Chip Design, covering design, fabrication, assembly, testing, packaging, and development of IPs/ASICs/SoCs/Systems for

targeted applications. Admission related details are available at https://webapps.iitbbs.ac.in/mtech-application/index.php.

In addition to above, with a view to modernize the curricula, IIT Bhubaneswar has introduced several new courses, like Minor in Economics, Micro-specialization in Software Engineering, courses on entrepreneurship, plus a host of new open electives in modern areas of studies for undergraduate as well as research students.

A new Ph.D. Fellowship titled 'Professor R.H. Tupkary Fellowship' has been created at IIT Bhubaneswar by the donation of Rs. 1 crore by Prof. Brahma Deo, MGM Chair Professor at the Institute, as a token of respect for his erstwhile professor at Banaras Hindu University in 1967. On this fellowship, a Ph.D. student is presently working in the area of Physiology, jointly with AIIMS, on mental health disorders, which is a compelling problem in India with the largest number of patients in the world. Again, the studies on "Chaotic Dynamical Systems" have helped to find a special chaotic attractor which can greatly help in disease analysis.

With these new development in the curriculum and pedagogy, with added outreach to industry, IIT Bhubaneswar is all set to enhance industry-academia collaboration, bring innovation in the field of technical education and research, as well as support the professional development of the students.

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Media/Publication	The Times of India		
Date	16th April, 2024	Language	English
Headline	IITBBS to launch 2 new MTech courses this year		
Link	https://timesofindia.indiatimes.com/city/bhubaneswar/iitbbs-to-launch-2-new-mtech-courses-this-year/articleshow/109328390.cms		

Bhubaneswar: IIT Bhubaneswar has launched a new course — MTech in semiconductor technology and chip design — with the emerging demands in the semiconductor sector in mind. It has also decided to offer an MTech degree in advanced maintenance technology. Both courses will start this year.

Official sources said the MTech degree in semiconductor technology and chip design is designed for regular students.

The institute introduced this course because India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub.

Semiconductor and chip design-related projects will create thousands of technology jobs and start-up opportunities, producing chips with 28 nm, 40 nm, and 90 nm transistors.

Compound semiconductors like gallium nitride and silicon carbide will cater to India's defence, space and electric vehicle transportation needs. To support this growth by creating skilled professionals, the institute's School of Electrical Sciences has launched this degree programme. This course will cover design, fabrication, assembly, testing, packaging, and development of integrated circuits, chips, and related products for targeted applications.

The other MTech degree is designed for working engineering professionals. The new course aims to educate and train engineers working in industries to enhance the sustainability and productivity of industries and increase industry-academia interaction. The interdisciplinary programme offers a modern mix of relevant and advanced courses from mechanical, civil, electrical, metallurgical, and materials engineering, with a special focus on maintenance issues related to corrosion, welding, vibration, structures, and also the development of digital twins for diagnosing failures.

This programme also includes the study and application of chaos in dynamical systems. "This attractor is proving vital for failure prediction/detection in dynamical systems," said the official statement of IIT Bhubaneswar.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The New Indian Express		
Date	16th April, 2024	Language	English
Headline	**IIT-BBS launches MTech degrees in semiconductor, advanced maintenance**		

IIT-Bbs launches MTech degrees in semiconductor, advanced maintenance

EXPRESS NEWS SERVICE
@ Bhubaneswar

MOVING in line with the emerging technology trends, the IIT Bhubaneswar has introduced two new degree programmes for students from the new academic session.

Officials said an MTech degree in semiconductor technology and chip design and an interdisciplinary blended-mode MTech degree in advanced maintenance technology have been introduced for the students. While MTech degree in semiconductor will be for regular students, the advanced maintenance technology has been specially designed for engineers working in the industry, IIT Bhubaneswar officials said.

The officials said, India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub, and the recent milestones include a new semiconductor fab and two outsourced assembly and testing (OSAT) facilities, with a total investment of ₹1.25 lakh crore.

> While MTech degree in semiconductor will be for regular students, the advanced maintenance technology is for engineers working in the industry
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The related projects will create thousands of technology jobs and startup opportunities, producing chips with 28 nm, 40 nm, and 90 nm transistors. To support this growth, the School of Electrical Sciences at IIT Bhubaneswar has launched an MTech programme in semiconductor technology and chip design, covering design, fabrication, assembly, testing, packaging, and development of IPs/ASICs/SoCs/Systems for targeted applications.

Apart from these two courses, officials said, IIT Bhubaneswar has introduced several other new courses, like minor in economics, micro-specialisation in software engineering, courses on entrepreneurship and a host of new open electives in modern areas of studies for undergraduate as well as research students.

A new PhD Fellowship titled 'Professor RH Tupkary Fellowship' has also been created at IIT Bhubaneswar by the donation of ₹1 crore by Prof Brahma Deo, MGM chair professor at the institute.

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Indian Institute of Technology Bhubaneswar

Media/Publication	The New Indian Express		
Date	16th April, 2024	Language	English
Headline	IIT-Bhubaneswar launches MTech degrees in semiconductor, advanced maintenance		
Link	https://www.newindianexpress.com/states/odisha/2024/Apr/16/iit-bhubaneswar-launches-mtech-degrees-in-semiconductor-advanced-maintenance		

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IIT Bhubaneswar. (Photo| Facebook/ IIT Bhubaneswar)

BHUBANESWAR : Moving in line with the emerging technology trends, the IIT Bhubaneswar has introduced two new degree programmes for students from the new academic session.

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Media/Publication	The Hindu		
Date	17th April, 2024	Language	English
Headline	IIT Bhubaneswar launched new programs		

IIT Bhubaneswar Launched New Programs

Indian Institute of Technology (IIT) Bhubaneswar has launched, in line with emerging technology trends and industry needs, two new programs and several new courses for the upcoming Fall 2024 session. The two new programs include (a) an interdisciplinary blended-mode M.Tech. degree in "Advanced Maintenance Technology," meant especially for engineers working in the industry, and (b) an M.Tech. degree in "Semiconductor Technology and Chip Design," meant for regular students. The new M.Tech. program aims to educate and train engineers working in industries to enhance the sustainability and productivity of industries and increase industry-academia interaction. The registration details are available at: [https://webapps.iitbbs.ac.in/mtech_blended-app/]. M.Tech. Degree Program in Semiconductor Technology and Chip Design: India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub. Admission-related details are available at [https://webapps.iitbbs.ac.in/mtech-application/index.php]. In addition to the above, with a view to modernize the curricula, IIT Bhubaneswar has introduced several new courses, like Minor in Economics, Micro-specialization in Software Engineering, courses on entrepreneurship, plus a host of new open electives in modern areas of studies for undergraduate as well as research students.

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Indian Institute of Technology Bhubaneswar

Media/Publication	The Statesman		
Date	16th April, 2024	Language	English
Headline	IIT Bhubaneswar introduces new courses		

IIT Bhubaneswar introduces new courses

STATESMAN NEWS SERVICE
BHUBANESWAR, 15 APRIL:

The Indian Institute of Technology (IIT) Bhubaneswar has launched two new programs and several new courses for the upcoming 2024 session.

The two new programs include - an Interdisciplinary Blended-mode M.Tech. Degree in "Advanced Maintenance Technology", meant especially for engineers working in the industry and a M.Tech. Degree in "Semiconductor Technology and Chip Design", meant for regular students.

The new M.Tech. Program aims to educate and train engineers working in industries so as to enhance the sustainability and productivity of industries and increase industry-academia interaction. The interdisciplinary Program offers a modern mix of relevant and advanced courses from mechanical, civil, electrical, metallurgical and materials engineering, with a special focus on maintenance issues related to corrosion, welding, vibration, structures, and also development of digital twins for diagnosing failures, said a release issued by IIT Bhubaneswar here on Monday.

An M.Tech. program in Semiconductor Technology and Chip Design, covering design, fabrication, assembly, testing, packaging, and development of IPs/ASICs/SoCs/Systems for targeted applications.

In addition to above, with a view to modernize the curricula, IIT Bhubaneswar has introduced several new courses, like Minor in Economics, Micro-specialization in Software Engineering, courses on entrepreneurship, plus a host of new open electives in modern areas of studies for undergraduate as well as research students.

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Media/Publication	The Pioneer		
Date	16th April, 2024	Language	English
Headline	IIT BBS launches new programmes, courses		

IIT BBS launches new progammes, courses

PNS ■ BHUBANESWAR

The Indian Institute of Technology (IIT), Bhubaneswar, in line with the emerging technology trends and industry needs, has launched two new programmes and several new courses for the upcoming 2024 session.

The two new programmes include an Interdisciplinary blended-mode M Tech degree in Advanced Maintenance Technology meant especially for engineers working in the industry and a M Tech degree in Semiconductor Technology and Chip Design meant for regular students.

In addition to above, with a view to modernising the curricula, the IIT Bhubaneswar has introduced several new courses like Minor in Economics, Micro-Specialisation in Software Engineering, courses on entrepreneurship, plus a host of new open electives in modern areas of studies for undergraduate as well as research students.

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On this fellowship, a PhD student is presently working in the area of physiology, jointly with AIIMS, on mental health disorders, which is a compelling problem in India with the largest number of patients in the world. Again, the studies on "Chaotic Dynamical Systems" have helped to find a special chaotic attractor which can greatly help in disease analysis.

With these new development in the curriculum and pedagogy, with added outreach to industry, the IIT Bhubaneswar is all set to enhance industry-academia collaboration, bring innovation in the field of technical education and research, as well as support the professional development of the students.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Orissa Post		
Date	16th April, 2024	Language	English
Headline	New courses at IIT Bhubaneswar to meet industry needs		
Link	https://www.orissapost.com/new-courses-at-iit-bhubaneswar-to-meet-industry-needs/		

Bhubaneswar: Looking at the emerging trends and industry needs, Indian Institute of Technology Bhubaneswar (IITB) launched two new programmes and several new courses for the upcoming fall 2024 session. The two new programmes include an inter-disciplinary blended-mode MTech Degree in 'Advanced Maintenance Technology', meant especially for engineers working in the industry and MTech Degree in 'Semiconductor Technology and Chip Design', meant for regular students. With a view to modernise the curriculum, IITB introduced several new courses, like Minor in Economics, Micro-specialisation in Software Engineering, courses on entrepreneurship and a host of new open electives in modern areas of studies for undergraduate as well as research

students. A new PhD fellowship titled 'Professor RH Tupkary Fellowship' has been created at IITB from a donation of `1 crore by School of Minerals, Metallurgical & Materials Engineering chair professor Brahma Deo, as a token of respect for his erstwhile professor at Banaras Hindu University in 1967. A PhD student is currently working under this fellowship in the area of Physiology, jointly with AIIMS, on mental health disorders. With these new development in the curriculum and pedagogy and added outreach to industry, IIT Bhubaneswar is all set to enhance industry-academia collaboration, bring innovation in the field of technical education and research, as well as support the professional development of the students.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
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Media/Publication	Odisha Bytes.com		
Date	16th April, 2024	Language	English
Headline	IIT Bhubaneswar Launches 2 Programmes & Other Courses For Fall 2024; Check Details		
Link	https://odishabytes.com/iit-bhubaneswar-launches-2-programmes-check-details/		

By OB Bureau On Apr 15, 2024

Bhubaneswar: Indian Institute of Technology (IIT) Bhubaneswar has launched two new programmes and several new courses for the upcoming Fall 2024 session.

The new programmes, in line with emerging technology trends and industry needs, are — Interdisciplinary Blended-mode M.Tech degree in 'Advanced Maintenance Technology' for engineers working in the industry and M.Tech degree in 'Semiconductor Technology and Chip Design' for regular students.

Blended-mode M.Tech Degree in 'Advanced Maintenance Technology':

Timely maintenance of equipment and systems in industry is key to sustainability of operations, productivity and quality.

This new M.Tech programme aims to educate and train engineers working in industries that will help enhance sustainability and productivity of industries and increase industry-academia interaction, according to an IIT Bhubaneswar press release.

The interdisciplinary programme offers a mix of relevant and advanced courses from mechanical, civil, electrical, metallurgical and materials engineering, with a special focus on maintenance issues related to corrosion, welding, vibration, structures, and also development of digital twins for diagnosing failures.

Registration details are available at
— https://webapps.iitbbs.ac.in/mtech_blended-app/.

This programme also includes study and application of 'Chaos in dynamical systems'. One research group has discovered a chaotic attractor, which has been successfully tested in some industrial systems for failure detection. This attractor is proving vital for failure prediction/detection in dynamical systems.

M.Tech Degree in Semiconductor Technology and Chip Design:

The Semiconductor Mission (ISM) is propelling India as a global electronics manufacturing and design hub. A semiconductor fab and two Outsourced Assembly and Testing (OSAT) facilities have been set up recently with a total investment of Rs 1.25 lakh crore. Related projects will create thousands of technology jobs and start-up opportunities, as ISM's focus on compound semiconductors like Gallium Nitride and Silicon Carbide will cater to India's defence, space and Electric Vehicle transportation needs.

To support this growth by creating skilled professionals, IIT Bhubaneswar's School of Electrical Sciences has launched this M.Tech programme in Semiconductor Technology and Chip Design, covering design, fabrication, assembly, testing, packaging, and development of IPs/ASICs/SoCs/Systems for targeted applications.

Registration details are available at
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Other Courses

To modernise the curricula, IIT Bhubaneswar has also introduced several courses, like Minor in Economics, Micro-specialisation in Software Engineering, courses on entrepreneurship, and a host of new open electives in modern areas of studies for undergraduate and research students.

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Media/Publication	India Education Dairy		
Date	16th April, 2024	Language	English
Headline	**IIT Bhubaneswar Is Ready With New Programs And Several New Courses For Fall 2024**		
Link	https://indiaeducationdiary.in/iit-bhubaneswar-is-ready-with-new-programs-and-several-new-courses-for-fall-2024/		

• Interdisciplinary Blended-mode M.Tech. degree Program in 'Advanced Maintenance Technology' specially for engineers working in industry
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Date	16th April, 2024	Language	English
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Media/Publication	IBG News.com		
Date	16th April, 2024	Language	English
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Link	https://ibgnews.com/2024/04/16/iit-bhubaneswar-is-ready-with-new-programs-and-several-new-courses-for-fall-2024/		

- **Interdisciplinary Blended-mode M.Tech. degree Program in 'Advanced Maintenance Technology' specially for engineers working in industry**
- **M.Tech. Degree program in Semiconductor Technology and Chip Design**

Bhubaneswar, 15th April 2024:

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M.Tech. Degree Program in Semiconductor Technology and Chip Design:

India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub. Recent milestones include a new semiconductor fab and two Outsourced Assembly and Testing (OSAT) facilities, with a total investment of INR 1.25 Lakh Crore. The related projects will create thousands of technology jobs and start-up opportunities, producing chips with 28 nm, 40 nm, and 90 nm transistors. ISM's focus on compound semiconductors like Gallium Nitride and Silicon Carbide will cater to India's defense, space, and Electric Vehicle transportation needs. To support this growth by creating skilled professionals, the School of Electrical Sciences at IIT Bhubaneswar has launched an M.Tech. program in Semiconductor Technology and Chip Design, covering the design, fabrication, assembly, testing, packaging, and development of IPs/ASICs/SoCs/Systems for targeted applications. Admission-related details are available at https://webapps.iitbbs.ac.in/mtech-application/index.php.

In addition to the above, with a view to modernizing the curricula, IIT Bhubaneswar has introduced several new courses, like a Minor in Economics, Micro-specialization in Software Engineering, courses on entrepreneurship, plus a host of new open electives in modern areas of studies for undergraduate as well as research students.

A new Ph.D. Fellowship titled 'Professor R.H. Tupkary Fellowship' has been created at IIT Bhubaneswar by the donation of Rs. 1 crore by Prof. Brahma Deo, MGM Chair Professor at the Institute, as a token of respect for his erstwhile professor at Banaras Hindu University in 1967. On this fellowship, a Ph.D. student is presently working in the area of Physiology, jointly with AIIMS, on mental health disorders, which is a compelling problem in India with the largest number of patients in the world. Again, the studies on "Chaotic Dynamical Systems" have helped to find a special chaotic attractor that can greatly help in disease analysis.

With these new developments in the curriculum and pedagogy, with added outreach to industry, IIT Bhubaneswar is all set to enhance industry-academia collaboration, bring innovation in the field of technical education and research, as well as support the professional development of the students.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	SiliconIndia.com		
Date	17th April, 2024	Language	English
Headline	IIT-Bhubaneswar Introduces MTech Degrees in Semiconductor & Advanced Maintenance		
Link	https://www.siliconindia.com/news/general/iitbhubaneswar-introduces-mtech-degrees-in-semiconductor--advanced-maintenance-nid-228995-cid-1.html		

IIT Bhubaneswar is embracing emerging technology trends with the introduction of two new degree programs for the upcoming academic session. The institute is launching an MTech degree in **semiconductor technology** and **chip design**, alongside an interdisciplinary blended-mode MTech degree in advanced maintenance technology.

The MTech degree in semiconductor technology aims to cater to the growing demand in India's Semiconductor Mission (ISM), which is positioning the nation as a global electronics manufacturing and design hub. The program will cover various aspects of semiconductor design, fabrication, assembly, testing, packaging, and the development of IPs/ASICs/SoCs/Systems for specific applications.

Additionally, IIT Bhubaneswar is offering the advanced maintenance technology MTech degree tailored for engineers already employed in the industry. These initiatives align with India's semiconductor industry's recent milestones, including the establishment of a new semiconductor fab and two outsourced assembly and testing (OSAT) facilities, with a total investment of Rs 1.25 lakh crore. The projects are anticipated to generate numerous technology jobs and startup opportunities, focusing on producing chips with 28 nm, 40 nm, and 90 nm transistors.

Alongside these new degree programs, IIT Bhubaneswar has expanded its course offerings to include a minor in economics, micro-specialization in software engineering, entrepreneurship courses, and a range of new open electives in modern study areas for both undergraduate and research students.

Furthermore, the institute has established a new PhD Fellowship named 'Professor RH Tupkary Fellowship' through a generous donation of Rs 1 crore by Prof Brahma Deo, MGM chair professor at IIT Bhubaneswar. These endeavors underscore IIT Bhubaneswar's commitment to staying at the forefront of technological innovation and addressing the evolving needs of the industry.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	MSN.Com		
Date	17th April, 2024	Language	English
Headline	IIT-Bhubaneswar launches MTech degrees in semiconductor, advanced maintenance		
Link	https://www.msn.com/en-in/news/other/iit-bhubaneswar-launches-mtech-degrees-in-semiconductor-advanced-maintenance/ar-BB1lGMGY		

BHUBANESWAR : Moving in line with the emerging technology trends, the IIT Bhubaneswar has introduced two new degree programmes for students from the new academic session.

Officials said an MTech degree in semiconductor technology and chip design and an interdisciplinary blended-mode MTech degree in advanced maintenance technology have been introduced for the students.

While MTech degree in semiconductor will be for regular students, the advanced maintenance technology has been specially designed for engineers working in the industry, IIT Bhubaneswar officials said.

The officials said, India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub, and the recent milestones include a new semiconductor fab and two outsourced assembly and testing (OSAT) facilities, with a total investment of Rs 1.25 lakh crore.

The related projects will create thousands of technology jobs and startup opportunities, producing chips with 28 nm, 40 nm, and 90 nm transistors. To support this growth, the School of Electrical Sciences at IIT Bhubaneswar has launched an MTech programme in semiconductor technology and chip design, covering design, fabrication, assembly, testing, packaging, and development of IPs/ASICs/SoCs/Systems for targeted applications.

Apart from these two courses, officials said, IIT Bhubaneswar has introduced several other new courses, like minor in economics, micro-specialisation in software engineering, courses on entrepreneurship and a host of new open electives in modern areas of studies for undergraduate as well as research students.

A new PhD Fellowship titled 'Professor RH Tupkary Fellowship' has also been created at IIT Bhubaneswar by the donation of `1 crore by Prof Brahma Deo, MGM chair professor at the institute.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Around Odisha		
Date	16th April, 2024	Language	English
Headline	**IIT Bhubaneswar is ready with new programs and several new courses for Fall 2024**		

IIT Bhubaneswar is ready withnew Programs and several new Courses for Fall 2024

Bhubaneswar, (AoBureau): Indian Institute of Technology (IIT) Bhubaneswar has launched, in line with the emerging technology trends and industry needs,two new Programs and several new courses for the upcoming Fall 2024 session. The two new Programs include (a) an Interdisciplinary Blended-mode M.Tech. Degreein "Advanced Maintenance Technology", meant especially for engineers working in the industry and (b) aM.Tech. Degreein "Semiconductor Technology and Chip Design", meant for regular students.Blended-modeM.Tech. Degreein 'Advanced Maintenance Technology':Timely maintenance of equipment and systems in industry is key to sustainability of operations, productivity and quality. The new M.Tech.Program aims to educate and train engineers working in industries so as to enhance the sustainability and productivity of industries and increase industry-academia interaction. The interdisciplinary Program offers a modern mix of relevant and advanced courses from mechanical, civil, electrical, metallurgical and materials engineering, with a special focus on maintenance issues related to corrosion, welding, vibration, structures, and also development of digital twins for diagnosing failures. The registration details are available at: https://webapps.iitbbs.ac.in/mtech_blended-app/. This Programalso includes the study and application of "Chaos in dynamical systems". One research group has already discovered a new chaotic attractor, which has been successfully tested in some industrial systems for failure detection. This attractor is proving vital for failure prediction/detection in dynamical systems.M.Tech. Degree Program in Semiconductor Technology and Chip Design:India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	PrameyaNews.com		
Date	15th April, 2024	Language	English
Headline	**IIT Bhubaneswar launches new course on Semiconductor Technology and Chip Design**		
Link	https://www.prameyanews.com/iit-bhubaneswar-launches-new-course-on-semiconductor-technology-and-chip-design#google_vignette		

Bhubaneswar, April 15: Indian Institute of Technology (IIT) Bhubaneswar has launched, in line with the emerging technology trends and industry needs, two new programs and several new courses for the upcoming Fall 2024 session. The two new programs include Interdisciplinary Blended-mode M.Tech. Degreein "Advanced Maintenance Technology", meant especially for engineers working in the industry and M.Tech. Degree in "Semiconductor Technology and Chip Design", meant for regular students.

Blended-mode M.Tech. Degree in 'Advanced Maintenance Technology':

Timely maintenance of equipment and systems in industry is key to sustainability of operations, productivity and quality. The new M.Tech.Program aims to educate and train engineers working in industries so as to enhance the sustainability and productivity of industries and increase industry-academia interaction. The interdisciplinary program offers a modern mix of relevant and advanced courses from mechanical, civil, electrical, metallurgical and materials engineering, with a special focus on maintenance issues related to corrosion, welding, vibration, structures, and also development of digital twins for diagnosing failures. The registration details are available at: https://webapps.iitbbs.ac.in/mtech_blended-app/.

This program also includes the study and application of "Chaos in dynamical systems". One research group has already discovered a new chaotic attractor, which has been successfully tested in some industrial systems for failure

detection. This attractor is proving vital for failure prediction/detection in dynamical systems.

M.Tech. Degree Program in Semiconductor Technology and Chip Design:

India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub. Recent milestones include a new semiconductor fab and two Outsourced Assembly and Testing (OSAT) facilities, with a total investment of Rs 1.25 lakh crore. The related projects will create thousands of technology jobs and start-up opportunities, producing chips with 28 nm, 40 nm, and 90 nm transistors. ISM's focus on compound semiconductors like Gallium Nitride and Silicon Carbide will cater to India's defense, space, and Electric Vehicle transportation needs. To support this growth by creating skilled professionals, the School of Electrical Sciences at IIT Bhubaneswar has launched an M.Tech. program in Semiconductor Technology and Chip Design, covering design, fabrication, assembly, testing, packaging, and development of IPs/ASICs/SoCs/Systems for targeted applications.Admission related details are available at https://webapps.iitbbs.ac.in/mtech-application/index.php.

In addition to the above,with a view to modernize the curricula, IIT Bhubaneswar has introduced several new courses, like Minor in Economics, Micro-specialization in Software Engineering, courses on entrepreneurship, plus a host of new open electives in modern areas of studies for undergraduate as well as research students.

A new Ph.D. Fellowship titled ‘Professor R.H. Tupkary Fellowship’ has been created at IIT Bhubaneswar by the donation of Rs. 1 crore by Prof. Brahma Deo, MGM Chair Professor at the Institute, as a token of respect for his erstwhile professor at Banaras Hindu University in 1967. On this fellowship, a Ph.D. student is presently working in the area of Physiology, jointly with AIIMS, on mental health disorders, which is a compelling problem in India with the largest number of patients in the world.Again,the studies on “Chaotic Dynamical Systems” have helped to find a special chaotic attractor which can greatly help in disease analysis.

With these new development in the curriculum and pedagogy, with added outreach to industry, IIT Bhubaneswar is all set to enhance industry-academia collaboration, bring innovation in the field of technical education and research, as well as support the professional development of the students.

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	Pragativadi.com		
Date	15th April, 2024	Language	English
Headline	**IIT Bhubaneswar Introduces Two New Programs, Several New Courses For Fall 2024**		
Link	https://pragativadi.com/iit-bhubaneswar-introduces-two-new-programs-several-new-courses-for-fall-2024/		

Bhubaneswar: The Indian Institute of Technology (IIT) Bhubaneswar has launched, in line with the emerging technology trends and industry needs, two new Programs and several new courses for the upcoming Fall 2024 session.

The two new Programs include (a) an Interdisciplinary Blended-mode M.Tech. Degree in "Advanced Maintenance Technology", meant especially for engineers working in the industry and (b) a M.Tech. Degree in "Semiconductor Technology and Chip Design", meant for regular students.

Blended-mode M.Tech. Degree in 'Advanced Maintenance Technology':

Timely maintenance of equipment and systems in industry is key to sustainability of operations, productivity and quality. The new M.Tech. Program aims to educate and train engineers working in industries so as to enhance the sustainability and productivity of industries and increase industry-academia interaction. The interdisciplinary Program offers a modern mix of relevant and advanced courses from mechanical, civil, electrical, metallurgical and materials engineering, with a special focus on maintenance issues related to corrosion, welding, vibration, structures, and also development of digital twins for diagnosing failures. The registration details are available at: https://webapps.iitbbs.ac.in/mtech_blended-app/. This Program also includes the study and application of "Chaos in dynamical systems". One research group has already discovered a new chaotic attractor, which has been successfully tested in some industrial systems for failure detection. This attractor is proving vital for failure prediction/detection in dynamical systems.

M.Tech. Degree Program in Semiconductor Technology and Chip Design:

India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub. Recent milestones include a new semiconductor fab

and two Outsourced Assembly and Testing (OSAT) facilities, with a total investment of INR 1.25 Lakh Crore. The related projects will create thousands of technology jobs and start-up opportunities, producing chips with 28 nm, 40 nm, and 90 nm transistors. ISM's focus on compound semiconductors like Gallium Nitride and Silicon Carbide will cater to India's defense, space, and Electric Vehicle transportation needs. To support this growth by creating skilled professionals, the School of Electrical Sciences at IIT Bhubaneswar has launched an M.Tech. program in Semiconductor Technology and Chip Design, covering design, fabrication, assembly, testing, packaging, and development of IPs/ASICs/SoCs/Systems for targeted applications. Admission related details are available at https://webapps.iitbbs.ac.in/mtech-application/index.php.

In addition to above, with a view to modernize the curricula, IIT Bhubaneswar has introduced several new courses, like Minor in Economics, Micro-specialization in Software Engineering, courses on entrepreneurship, plus a host of new open electives in modern areas of studies for undergraduate as well as research students.

A new Ph.D. Fellowship titled 'Professor R.H. Tupkary Fellowship' has been created at IIT Bhubaneswar by the donation of Rs. 1 crore by Prof. Brahma Deo, MGM Chair Professor at the Institute, as a token of respect for his erstwhile professor at Banaras Hindu University in 1967. On this fellowship, a Ph.D. student is presently working in the area of Physiology, jointly with AIIMS, on mental health disorders, which is a compelling problem in India with the largest number of patients in the world. Again, the studies on "Chaotic Dynamical Systems" have helped to find a special chaotic attractor which can greatly help in disease analysis.

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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	Dinalipi.com		
Date	16th April, 2024	Language	English
Headline	IIT Bhubaneswar launches 2 new MTech programmes		
Link	https://www.dinalipi.com/index.php/iit-bhubaneswar-launches-2-new-mtech-programmes/		

IIT-Bhubaneswar launches 2 new MTech programmes

By Dinalipi Bureau — On Apr 16, 2024 — 129

BHUBANESWAR EDUCATION ODISHA

Bhubaneswar: The Indian Institute of Technology, Bhubaneswar (IIT-BBS) has launched two new programmes and several new courses for the upcoming Fall 2024 session in line with the emerging technology trends and industry needs.

The two new programmes include MTech in Advanced Maintenance Technology (interdisciplinary blended-mode) meant for engineers working in the industry and MTech in Semiconductor Technology and Chip Design for regular students.

in Advanced Maintenance Technology aims to educate and train engineers working in industries so as to enhance the sustainability and productivity of industries and increase industry-academia interaction. The interdisciplinary programme offers a modern mix of relevant and advanced courses from mechanical, civil, electrical, metallurgical and materials engineering, with a special focus on maintenance issues related to corrosion, welding, vibration, structures, and also development of digital twins for diagnosing failures.

Similarly, MTech in Semiconductor Technology and Chip Design programme under the School of Electrical Sciences aims at supporting the India's Semiconductor Mission (ISM) by creating skilled professionals.

The registration and admission related information are available at https://webapps.iitbbs.ac.in

This apart, the IIT-BBS has introduced several new courses, like Minor in Economics, Micro-specialization in Software Engineering, courses on entrepreneurship, plus a host of new open electives in modern areas of studies for undergraduate as well as research students.

A new PhD Fellowship titled 'Professor RH Tupkary Fellowship' has been created at IIT Bhubaneswar by the donation of Rs.1 crore by Prof. Brahma Deo, MGM Chair Professor at the Institute, as a token of respect for his erstwhile professor at Banaras Hindu University in 1967. Under this fellowship, a PhD student is presently working in the area of Physiology, jointly with AIIMS, on mental health disorders, which is a compelling problem in India with the largest number of patients in the world.

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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	Azad Sipahi		
Date	16th April, 2024	Language	Hindi
Headline	IIT Bhubaneswar Introduces Two New Programs, Several New Courses For Fall 2024		

आइआइटी भुवनेश्वर ने कई नवीन कार्यक्रमों और नये पाठ्यक्रमों का शुभारंभ किया

एम टेक सेमीकंडक्टर टेक्नोलॉजी और चिप डिजाइन में डिग्री प्रोग्राम

इंटरडिसिप्लिनरी ब्लेंडेड-मोड एमटेक विशेष रूप से उद्योग क्षेत्र में कार्य करने वाले इंजीनियरों के लिए 'उन्नत रखरखाव प्रौद्योगिकी' में डिग्री कार्यक्रम

आजाद सिपाही संवाददाता

भुवनेश्वर। भारतीय प्रौद्योगिकी संस्थान (आइआइटी) भुवनेश्वर ने उभरती प्रौद्योगिकी प्रवृत्तियों और उद्योग की जरूरतों को ध्यान में रखते हुए, आगामी 2024 सत्र के लिए दो नए कार्यक्रमों सहित अन्य कई नये पाठ्यक्रमों को लॉन्च किया है। इन दो नये कार्यक्रमों में (ए) विशेष रूप से उद्योग में काम करने वाले इंजीनियरों के लिए उन्नत रखरखाव प्रौद्योगिकी में डिग्री संबंधी एक अंतःविषय ब्लेंडेड-मोड एमटेक कार्यक्रम तथा (बी) नियमित छात्रों के लिए ₹सेमीकंडक्टर टेक्नोलॉजी और चिप डिजाइन में एम टेक डिग्री कार्यक्रम शामिल है। **उन्नत रखरखाव प्रौद्योगिकी में ब्लेंडेड-मोड एमटेक डिग्रीः** उद्योग में उपकरणों और प्रणालियों का ससमय समुचित रखरखाव संचालन, उत्पादकता और गुणवत्ता की स्थिरता के लिए महत्वपूर्ण है । नये एम.टेक कार्यक्रम का उद्देश्य उद्योगों में काम करने वाले इंजीनियरों को शिक्षित और प्रशिक्षित करना है ताकि उद्योगों की स्थिरता और उत्पादकता को बढ़ाया जा सके, और उद्योग-अकादमिक संपर्क को बढ़ाया जा सके। अंतःविषय कार्यक्रम यांत्रिक, सिविल, विद्युत, धातुकर्म और सामग्री इंजीनियरिंग से प्रासंगिक और उन्नत पाठ्यक्रमों का एक आधुनिक मिश्रण प्रदान करता है, जिसमें संक्षरण, वेल्डिंग, कंपन, संरचनाओं से संबंधित रखरखाव के मुद्दों पर विशेष ध्यान दिया जाता है, और विफलताओं के निदान के लिए डिजिटल जुड़वां के विकास पर भी ध्यान दिया जाता है। इस संबंध में पंजीकरण विवरण पर उपलब्ध है। इस कार्यक्रम में गतिशील प्रणालियों में अराजकता का अध्ययन और अनुप्रयोग भी शामिल है। एक अनुसंधान समूह ने पहले ही एक नये अराजक आकर्षण की खोज की है, जिसका विफलता का पता लगाने के लिए कुछ औद्योगिक प्रणालियों में सफलतापूर्वक परीक्षण किया गया है। यह आकर्षक गतिशील प्रणालियों में विफलता की भविष्यवाणी/पता लगाने हेतु महत्वपूर्ण साबित हो रहा है। **एम टेक अर्धचालक प्रौद्योगिकी और चिप डिजाइन में डिग्री कार्यक्रम :** भारत का सेमीकंडक्टर मिशन (आईएसएम) देश को वैश्विक इलेक्ट्रॉनिक्स विनिर्माण और डिजाइन हब के रूप में आगे बढ़ा रहा है। हाल के माइलस्टोन में 1.25 लाख करोड़ रुपये के कुल निवेश के साथ एक नया सेमीकंडक्टर एफएबी और दो आउटसोर्स असेंबली एंड टेस्टिंग (ओएसएटी) सुविधाएं शामिल हैं। संबंधित परियोजनाएं हजारों प्रौद्योगिकी नौकरियों और स्टार्ट-अप अवसरों का निर्माण करेंगी, 28 एनएम, 40 एनएम और 90 एनएम ट्रांजिस्टर के साथ चिप्स का उत्पादन करेंगी। गैलियम नाइट्राइड और सिलिकॉन कार्बाइड जैसे यौगिक अर्धचालकों पर आईएसएम का ध्यान भारत की रक्षा, स्थान और इलेक्ट्रिक वाहन परिवहन की जरूरतों को पूरा करेगा। कुशल पेशेवरों के निर्माण द्वारा इस वृद्धि का समर्थन करने के लिए, आईआईटी में विद्युत विज्ञान विद्यापीठ ने एक एमटेक कार्यक्रम शुरू किया है।

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Samaja		
Date	16th April, 2024	Language	Odia
Headline	IIT Bhubaneswar to launch two new courses		

ଆଇଆଇଟିରେ ଖୋଲିବ ଦୁଇ ନୂତନ ପାଠ୍ୟକ୍ରମ

ଜଟଣୀ,୧୫।୪ (ନି.ପ୍ର): ଜଟଣୀସ୍ଥିତ ଭୁବନେଶ୍ୱର ଆଇଆଇଟିରେ ୨୦୨୪ ଶିକ୍ଷା ବର୍ଷଠାରୁ ଦୁଇଟି ନୂତନ ପାଠ୍ୟକ୍ରମ ଖୋଲାଯିବ। ଶିଳ୍ପାନୁଷ୍ଠାନରେ କାର୍ଯ୍ୟରତ ଇଞ୍ଜିନିୟରଙ୍କ ପାଇଁ 'ଉନ୍ନତ ରକ୍ଷଣାବେକ୍ଷଣ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା'ରେ ଅନ୍ତର୍ବିଭାଗୀୟ ମିଶ୍ରିତ ମୋଡ଼ରେ ଏମ.ଟେକ୍ ଡ଼ିଗ୍ରୀ ପ୍ରୋଗ୍ରାମ ଏବଂ ନିୟମିତ ଛାତ୍ରଙ୍କ ପାଇଁ ସେମିକଣ୍ଡକ୍ଟର ଟେକ୍ନୋଲୋଜି ଚିପ୍ ଡ଼ିଜାଇନରେ ଏମ.ଟେକ୍ ଡ଼ିଗ୍ରୀ ପ୍ରୋଗ୍ରାମ ପାଠ୍ୟକ୍ରମ ଖୋଲାଯିବ। ଏହାସହିତ ପାଠ୍ୟକ୍ରମକୁ ଅଧିକ ଉନ୍ନତ କରିବା ଉଦ୍ଦେଶ୍ୟରେ ଆଇଆଇଟି ପକ୍ଷରୁ ଉଭୟ ସ୍ନାତକୋତ୍ତର ତଥା ଗବେଷଣାରତ ଛାତ୍ରଛାତ୍ରୀଙ୍କ ପାଇଁ ଅର୍ଥନୀତିରେ ମାଇନର, ସଫ୍ଟୱେୟାର ଇଞ୍ଜିନିୟରିଂ, ମାଇକ୍ରୋ ସ୍ପେସିଆଲାଇଜେସନ, ଉଦ୍ୟୋଗିତା ପାଠ୍ୟକ୍ରମ ଏବଂ ଆଧୁନିକ ଅଧ୍ୟୟନ କ୍ଷେତ୍ରରେ ଅନେକ ନୂତନ ପାଠ୍ୟକ୍ରମ ପ୍ରବର୍ତ୍ତନ କରାଯାଇଛି। ଏହାବ୍ୟତୀତ ପ୍ରଫେସର ଆର. ଏଚ. ଟୁପକାରୀ ଫେଲୋସିପ୍ ଶୀର୍ଷକ ଏକ ନୂତନ ପିଏଚଡ଼ି ଫେଲୋସିପ୍ ଆରମ୍ଭ କରାଯାଇଥିବା ଆଇଆଇଟି ସୂଚନା ଦେଇଛି।

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Sambad		
Date	17th April, 2024	Language	Odia
Headline	IIT Bhubaneswar to launch two new courses		

ଆଇଆଇଟିରେ ଖୋଲିବ
ଦୁଇ ନୂଆ ପାଠ୍ୟକ୍ରମ

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Prameya		
Date	16th April, 2024	Language	Odia
Headline	IIT Bhubaneswar launches two new courses		

ଆଇଆଇଟି ଭୁବନେଶ୍ୱରରେ ଖୋଲିଲା ଦୁଇ ନୂଆ କୋର୍ସ

ଭୁବନେଶ୍ୱର,୧୫।୪(ବ୍ୟୁରୋ): ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭୁବନେଶ୍ୱର ପକ୍ଷରୁ ଆଗାମୀ ଶିକ୍ଷାବର୍ଷରୁ ୨ଟି ନୂଆ ପାଠ୍ୟକ୍ରମରେ ନାମଲେଖା ହେବ। ଏମ୍‌ଟେକ୍ ଡିଗ୍ରୀ ଇନ୍ 'ଆଡଭାନ୍ସ ମେଣ୍ଟେନାନ୍ସ ଟେକ୍ନୋଲୋଜି' (ମିଶ୍ରିତ ମୋଡ୍) ଏବଂ ଏମ୍‌ଟେକ୍ ଡିଗ୍ରି

ଏମ୍‌ଟେକ୍ ଇନ୍ ଆଡଭାନ୍ସ ମେଣ୍ଟେନାନ୍ସ ଟେକ୍ନୋଲୋଜି

ଏମ୍‌ଟେକ୍ ଇନ୍ ସେମିକଣ୍ଡକ୍ଟର ଟେକ୍ନୋଲୋଜି ଆଣ୍ଡ ଚିପ୍ ଡିଜାଇନ୍

ଇନ୍ 'ସେମିକଣ୍ଡକ୍ଟର ଟେକ୍ନୋଲୋଜି ଆଣ୍ଡ ଚିପ୍ ଡିଜାଇନ୍' ନୂଆ ପାଠ୍ୟକ୍ରମରେ ପାଠପଢ଼ା ଆରମ୍ଭ ହେବ। ଏନେଇ ଆଇଆଇଟି ପକ୍ଷରୁ ବିଜ୍ଞପ୍ତି ପ୍ରକାଶ ପାଇଛି।

ଏଥିସହ ପାଠ୍ୟକ୍ରମକୁ ଅଧିକ ଆଧୁନିକ କରିବା ଉଦ୍ଦେଶ୍ୟରେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ପକ୍ଷରୁ ସ୍ନାତକୋତ୍ତରରେ ମଧ୍ୟ ନୂଆ କୋର୍ସ ଆରମ୍ଭ ହେବ। ରିସର୍ଚ୍ଚ ଛାତ୍ରଛାତ୍ରୀଙ୍କ ପାଇଁ ଅର୍ଥନୀତିରେ ମାଇନର, ସଫ୍ଟୱେର ଇଞ୍ଜିନିୟରିଂରେ ମାଇକ୍ରୋ ସ୍ପେସାଲାଇଜେସନ୍, ଉଦ୍ୟୋଗିତା ପାଠ୍ୟକ୍ରମ ଓ ଆଧୁନିକ ଅଧ୍ୟୟନ କ୍ଷେତ୍ରରେ ବିଭିନ୍ନ ନୂତନ ଇଲେକ୍ଟିଭ୍ ପାଠ୍ୟକ୍ରମ କରାଯିବ।

ଶିଳ୍ପରେ ଯନ୍ତ୍ରପାତି ଓ ସିଷ୍ଟମର ଠିକ୍ ସମୟରେ ରକ୍ଷଣାବେକ୍ଷଣ କାର୍ଯ୍ୟ, ଉତ୍ପାଦକତା ଏବଂ ଗୁଣବତ୍ତାର ସ୍ଥିରତା ଓ ନିରନ୍ତରତା ଆଣିବା ପାଇଁ ଏମ୍‌ଟେକ୍ ଇନ୍ ଆଡଭାନ୍ସ ମେଣ୍ଟେନାନ୍ସ ଟେକ୍ନୋଲୋଜି ପାଠ୍ୟକ୍ରମରେ ନାମଲେଖା ହେବ। ଶିଳ୍ପ କ୍ଷେତ୍ରରେ କାର୍ଯ୍ୟରତ ଇଞ୍ଜିନିୟରମାନଙ୍କୁ ପ୍ରଶିକ୍ଷଣ ପ୍ରଦାନ କରିବ। ଶିଳ୍ପ-ଶିକ୍ଷାନୁଷ୍ଠାନ ମଧ୍ୟରେ ପାରସ୍ପରିକ ସଂପର୍କ ବୃଦ୍ଧି ହେବ ବୋଲି ଆଇଆଇଟି ପକ୍ଷରୁ କୁହାଯାଇଛି। ଏହି ପାଠ୍ୟକ୍ରମ ମେକାନିକାଲ, ସିଭିଲ୍, ଇଲେକ୍ଟ୍ରିକାଲ୍, ମେଟାଲୋର୍ଜି ଆଣ୍ଡ ମ୍ୟାଟେରିଆଲ୍‌ସ ଇଞ୍ଜିନିୟରିଂରୁ ଉନ୍ନତ ମାନର ହେବ।

ସେହିପରି ଏମ୍‌ଟେକ୍ ଡିଗ୍ରୀ ଇନ୍ ସେମିକଣ୍ଡକ୍ଟର ଟେକ୍ନୋଲୋଜି ଆଣ୍ଡ ଚିପ୍ ଡିଜାଇନ୍ ନୂଆ ପାଠ୍ୟକ୍ରମରେ ଆରମ୍ଭ ହେବ। ଏଥିରେ ଭାରତର ସେମିକଣ୍ଡକ୍ଟର ମିଶନ ଏକ ବିଶ୍ୱ ଇଲେକ୍ଟ୍ରୋନିକ୍ସ ଉତ୍ପାଦନ ଏବଂ ଡିଜାଇନ୍ ହବ୍ ଭାବେ ପ୍ରତିଷ୍ଠିତ ହେବ। ଏଥିପାଇଁ ୧.୨୫ ଲକ୍ଷ କୋଟି ଟଙ୍କା ବିନିଯୋଗ କରାଯିବ। ଏଥିସହ ଆଇଆଇଟିରେ ପ୍ରଫେସର ଆର୍‌ଏଚ୍ 'ଟୁପ୍‌କାରୀ ଫେଲୋସିପ୍' ନାମରେ ଏକ ନୂତନ ପିଏଚ୍‌ଡି ଫେଲୋସିପ୍ ଆରମ୍ଭ ହୋଇଛି।

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Suryaprava		
Date	17th April, 2024	Language	Odia
Headline	IIT Bhubaneswar launches new courses and programmes		

ଆଇଆଇଟି ପକ୍ଷରୁ ନୂତନ ପ୍ରୋଗ୍ରାମ୍ ଓ ପାଠ୍ୟକ୍ରମ ପ୍ରସ୍ତୁତି

॥ ପ୍ରଭାନ୍ୟୁଜ୍ ॥ ଜଟଣୀ, ୧୬।୪: ଉଦୀୟମାନ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ଧାରା ଏବଂ ଶିଳ୍ପ ଆବଶ୍ୟକତା ଅନୁଯାୟୀ ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭୁବନେଶ୍ୱର ପକ୍ଷରୁ ଆଗାମୀ ଶିକ୍ଷାବର୍ଷ ପାଇଁ ଦୁଇଟି ନୂତନ କାର୍ଯ୍ୟକ୍ରମ ଏବଂ ଅନେକ ନୂତନ ପାଠ୍ୟକ୍ରମ ଆରମ୍ଭ ହେବାକୁ ଯାଉଛି । ଏହିକ୍ରମରେ ଦୁଇଟି ପ୍ରମୁଖ ପାଠ୍ୟକ୍ରମ ହେଉଛି (କ) ବିଶେଷତଃ ଶିଳ୍ପାନୁଷ୍ଠାନରେ କାର୍ଯ୍ୟରତ ଇଞ୍ଜିନିୟରମାନଙ୍କ ପାଇଁ 'ଉନ୍ନତ ରକ୍ଷଣାବେକ୍ଷଣ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା'ରେ ଆନ୍ତର୍ବିଭାଗୀୟ ମିଶ୍ରିତ-ମୋଡରେ ଏମ୍. ଟେକ୍. ଡିଗ୍ରୀ ପ୍ରୋଗ୍ରାମ୍ ଏବଂ (ଖ) ନିୟମିତ ଛାତ୍ରମାନଙ୍କ ପାଇଁ ସେମିକଣ୍ଡକ୍ଟର ଟେକ୍ନୋଲୋଜି ଏବଂ ଚିପ୍ ଡିଜାଇନରେ ଏମ୍. ଟେକ୍. ଡିଗ୍ରୀ ପ୍ରୋଗ୍ରାମ୍ଯଶିଳ୍ପରେ ଯନ୍ତ୍ରପାତି ଏବଂ ସିଷ୍ଟମର ଠିକ୍ ସମୟରେ ରକ୍ଷଣାବେକ୍ଷଣ କାର୍ଯ୍ୟ, ଉତ୍ପାଦକତା ଏବଂ ଗୁଣବତ୍ତାର ସ୍ଥିରତା ଓ ନିରନ୍ତରତା ପାଇଁ ଗୁରୁତ୍ୱାରୋପ କରିଥାଏ । ଏହି ନୂତନ ଏମ୍.ଟେକ୍. ପାଠ୍ୟକ୍ରମର ଲକ୍ଷ୍ୟ ହେଉଛି ଶିଳ୍ପରେ କାର୍ଯ୍ୟ କରୁଥିବା ଇଞ୍ଜିନିୟରମାନଙ୍କୁ ପ୍ରଶିକ୍ଷଣ ପ୍ରଦାନ କରିବା, ଯାହା ଦ୍ୱାରା ଶିଳ୍ପଗୁଡିକର ସ୍ଥିରତା ଏବଂ ଉତ୍ପାଦକତା ବୃଦ୍ଧିରେ ସହଯୋଗ ସହ ଶିଳ୍ପ-ଶିକ୍ଷାନୁଷ୍ଠାନ ମଧ୍ୟରେ ପାରସ୍ପରିକ ସମ୍ପର୍କ ବୃଦ୍ଧି ହେବ । ପାଠ୍ୟକ୍ରମକୁ ଅଧିକ ଆଧୁନିକ କରିବା ଉଦ୍ଦେଶ୍ୟରେ ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ପକ୍ଷରୁ ଉଭୟ ସ୍ନାତକୋତ୍ତର ତଥା ରିସର୍ଚ୍ଚ ଛାତ୍ରଛାତ୍ରୀମାନଙ୍କ ପାଇଁ ଅର୍ଥନୀତିରେ ମାଇନର, ସଫ୍ଟୱେୟାର ଇଞ୍ଜିନିୟରିଂରେ ମାଇକ୍ରୋ ସ୍ପେସିଆଲିଜେସନ୍, ଉଦ୍ୟୋଗୀତା ପାଠ୍ୟକ୍ରମ ଏବଂ ଆଧୁନିକ ଅଧ୍ୟୟନ କ୍ଷେତ୍ରରେ ବିଭିନ୍ନ ନୂତନ ଇଲେକ୍ଟିଭ୍ ଭଳି ଅନେକ ନୂତନ ପାଠ୍ୟକ୍ରମ ପ୍ରବର୍ତ୍ତନ କରାଯାଇଛି ।

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Media/Publication	The Dinalipi		
Date	17th April, 2024	Language	Odia
Headline	IIT Bhubaneswar launches new courses and programmes for Fall 2024		

'ଫଲ୍' ପାଇଁ ଆଇଆଇଟିର ନୂତନ କାର୍ଯ୍ୟକ୍ରମ

ଇଞ୍ଜିନିୟରଙ୍କ ପାଇଁ ଉନ୍ନତ ରକ୍ଷଣାବେକ୍ଷଣ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା

■ ଆନ୍ତଃବିଭାଗୀୟ ମିଶ୍ରିତ-ମୋଡ୍ ଏମ୍. ଟେକ୍. ଡିଗ୍ରୀ

■ ଟେକ୍ନୋଲୋଜି ଏବଂ ଚିପ୍ ଡିଜାଇନରେ ଏମ୍.ଟେକ୍. ଡିଗ୍ରୀ

ଭୁବନେଶ୍ୱର(ନିପ୍ର): ୨୦୨୪: ଉଦୀୟମାନ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ଧାରା ଏବଂ ଶିଳ୍ପ ଆବଶ୍ୟକତା ଅନୁଯାୟୀ ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭୁବନେଶ୍ୱର ପକ୍ଷରୁ 'ଫଲ୍' ଆଗାମୀ ଶିକ୍ଷାବର୍ଷ ପାଇଁ ଦୁଇଟି ନୂତନ କାର୍ଯ୍ୟକ୍ରମ ଏବଂ ଅନେକ ନୂତନ ପାଠ୍ୟକ୍ରମ ଆରମ୍ଭ କରିବାକୁ ଯାଉଛି। ଏହି କ୍ରମରେ ଦୁଇଟି ପ୍ରମୁଖ ପାଠ୍ୟକ୍ରମ ହେଉଛି, ବିଶେଷତଃ ଶିଳ୍ପାନୁଷ୍ଠାନରେ କାର୍ଯ୍ୟରତ ଇଞ୍ଜିନିୟରମାନଙ୍କ ପାଇଁ 'ଉନ୍ନତ ରକ୍ଷଣାବେକ୍ଷଣ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା'ରେ ଆନ୍ତର୍ବିଭାଗୀୟ ମିଶ୍ରିତ-ମୋଡରେ ଏମ୍.ଟେକ୍. ଡିଗ୍ରୀ ପ୍ରୋଗ୍ରାମ୍ ଏବଂ ନିୟମିତ ଛାତ୍ରମାନଙ୍କ ପାଇଁ ସେମିକଣ୍ଡକ୍ଟର ଟେକ୍ନୋଲୋଜି ଏବଂ ଚିପ୍ ଡିଜାଇନରେ ଏମ୍.ଟେକ୍. ଡିଗ୍ରୀ ପ୍ରୋଗ୍ରାମ୍। ଶିଳ୍ପରେ ଯନ୍ତ୍ରପାତି ଏବଂ ସିଷ୍ଟମର ଠିକ୍ ସମୟରେ ରକ୍ଷଣାବେକ୍ଷଣ କାର୍ଯ୍ୟ, ଉତ୍ପାଦକତା ଏବଂ ଗୁଣବତ୍ତାର ସ୍ଥିରତା ଓ ନିରନ୍ତରତା ପାଇଁ ଚାବିକାଠି। ଏହି ନୂତନ ଏମ୍.ଟେକ୍. ପାଠ୍ୟକ୍ରମର ଲକ୍ଷ୍ୟ ହେଉଛି ଶିଳ୍ପରେ କାର୍ଯ୍ୟ କରୁଥିବା ଇଞ୍ଜିନିୟରମାନଙ୍କୁ ପ୍ରଶିକ୍ଷଣ ପ୍ରଦାନ କରିବା, ଯାହା ଦ୍ୱାରା ଶିଳ୍ପଗୁଡିକର ସ୍ଥିରତା ଏବଂ ଉତ୍ପାଦକତା ବୃଦ୍ଧିରେ ସହଯୋଗ ସହ ଶିଳ୍ପ-ଶିକ୍ଷାନୁଷ୍ଠାନ ମଧ୍ୟରେ ପାରସ୍ପରିକ ସମ୍ପର୍କ ବୃଦ୍ଧି ହେବ। ଏହି ଆନ୍ତଃବିଭାଗୀୟ ପ୍ରୋଗ୍ରାମ ମେକାନିକାଲ, ସିଭିଲ, ଇଲେକ୍ଟ୍ରିକାଲ, ମେଟାଲର୍ଜି ଓ ମ୍ୟାଟେରିଆଲ୍ ଇଞ୍ଜିନିୟରିଂରୁ ପ୍ରାସଙ୍ଗିକ ତଥା ଉନ୍ନତ ପାଠ୍ୟକ୍ରମର ଏକ ଆଧୁନିକ ମିଶ୍ରଣ ସହ ପ୍ରସ୍ତୁତ । ଯାହାକି କ୍ଷୟରୋଧ, ୱେଲଡିଂ, କମ୍ପନ, ସଂରଚନା ଏବଂ ବିଫଳତା ନିରାକରଣ ପାଇଁ ଡିଜିଟାଲ୍ ଯୁଗୁ ପ୍ରଯୁକ୍ତିବିଦ୍ୟାର ବିକାଶ ସହିତ ରକ୍ଷଣାବେକ୍ଷଣ ପ୍ରସଙ୍ଗ ଉପରେ ଏକ ବିଶେଷ ଧ୍ୟାନ ଦେଇଥାଏ। ପଞ୍ଜିକରଣ ସମ୍ପର୍କିତ ବିବରଣୀ https://webapps.iitbbs. ac.in/mtech_blended-appରେ ଉପଲବ୍ଧ। ଏହି ପ୍ରୋଗ୍ରାମରେ 'ଗତିଶୀଳ ସିଷ୍ଟମରେ ବିଶୃଙ୍ଖଳା'ର ଅଧ୍ୟୟନ ଏବଂ ପ୍ରୟୋଗ ମଧ୍ୟ ଅନ୍ତର୍ଭୁକ୍ତ। ଉଲ୍ଲେଖଯୋଗ୍ୟ ଯେ ଏକ ଅନୁସନ୍ଧାନ ଗୋଷ୍ଠୀ ଏକ ନୂତନ ବିଶୃଙ୍ଖଳିତ ଆକର୍ଷଣକାରୀ ଆବିଷ୍କାର କରିସାରିଛନ୍ତି। ଯାହା ବିଫଳତା ଚିହ୍ନଟ ପାଇଁ କେତେକ ଶିଳ୍ପ ପ୍ରଣାଳୀରେ ସଫଳତାର ସହିତ ପରୀକ୍ଷଣ କରାଯାଇଛି। ଗତିଶୀଳ ସିଷ୍ଟମରେ ବିଫଳତା ପୂର୍ବାନୁମାନ / ଚିହ୍ନଟ ପାଇଁ ଏହି ଆକର୍ଷଣକାରୀ ଗୁରୁତ୍ୱପୂର୍ଣ୍ଣ ସାବ୍ୟସ୍ତ ହେଉଛି। ଏହା ସହିତ, ପାଠ୍ୟକ୍ରମକୁ ଅଧିକ ଆଧୁନିକ କରିବା ଉଦ୍ଦେଶ୍ୟରେ, ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ପକ୍ଷରୁ ଉଭୟ ସ୍ନାତକୋତ୍ତର ତଥା ରିସର୍ଚ୍ଚ ଛାତ୍ରଛାତ୍ରୀମାନଙ୍କ ପାଇଁ ଅର୍ଥନୀତିରେ ମାଇନର, ସଫ୍ଟୱେୟାର ଇଞ୍ଜିନିୟରିଂରେ ମାଇକ୍ରୋ। ସୋସିଆଲିଜେସନ୍, ଉଦ୍ୟୋଗୀତା ପାଠ୍ୟକ୍ରମ ଏବଂ ଆଧୁନିକ ଅଧ୍ୟୟନ କ୍ଷେତ୍ରରେ ବିଭିନ୍ନ ନୂତନ ଇଲେକ୍ଟିଭ୍ ଭଳି ଅନେକ ନୂତନ ପାଠ୍ୟକ୍ରମ ପ୍ରବର୍ତ୍ତନ କରାଯାଇଛି।