



SANDIP FOUNDATION'S, SHRI RAM POLYTECHNIC

Neelam Vidya Vihar, Village - Sijoul, Post – Mailam,

District – Madhubani, BIHAR – 847235

Approved by AICTE, New Delhi and Affiliated to SBTE, Patna, Bihar

FACULTY DEVELOPMENT PROGRAMME-03/04/2023 To 08/04/2023

Submitted By: HOD - CE/ EE/ ME/ AS,

Submitted To Principal: Prof. Sanjay Kumar Jha

Date and Place: - 03/04/2023 to 08/04/2023, SF-SRP Main Building, Madhubani (BR)

FDP Title: Innovative and Emerging Thrust Areas of Civil, Electrical and Mechanical Engineering.

Duration: Morning Session 10:00 AM To 12:30 PM, Afternoon Session 2:00 PM to 3:30 PM

INTRODUCTION

Faculty development programmes (FDPs) play a crucial role in enhancing the knowledge and skills of faculty members in various disciplines of engineering. With the rapidly changing landscape of engineering and technology, it is important for faculty to stay updated with innovative and emerging thrust areas in their respective fields. This report highlights the details of a Faculty Development Programme on Innovative and Emerging Thrust Areas of Civil, Electrical, and Mechanical Engineering, which aimed to provide an opportunity for faculty members to learn and exchange ideas on the latest trends and advancements in these fields.

OBJECTIVE

The Faculty Development Programme on Innovative and Emerging Thrust Areas of Civil, Electrical, and Mechanical Engineering was designed with the following objectives:

1. To provide a platform for faculty members to learn about the latest innovations and emerging thrust areas in civil, electrical, and mechanical engineering.
2. To enhance the pedagogical skills of faculty members in teaching the latest advancements in their respective fields.
3. To promote interdisciplinary collaboration among faculty members for research and development activities.
4. To encourage networking and knowledge sharing among participants for mutual learning and growth.
5. To explore potential industry-academia collaborations for real-world applications of emerging technologies in civil, electrical, and mechanical engineering.

PROGRAMME HIGHLIGHTS:

The Faculty Development Programme was organized over a period of five days and consisted of a series of lectures, workshops, panel discussions, and interactive sessions. The programme covered a wide range of innovative and emerging thrust areas in civil, electrical, and mechanical engineering, including but not limited to:

1. Civil Engineering:

- Smart cities and urban planning
- Geospatial technology applications in civil engineering
- Construction automation and robotics
- Advanced materials for civil engineering

2. Electrical Engineering:

- Internet of Things (IoT) and its applications in power systems
- Renewable energy systems and integration
- Artificial intelligence and machine learning in power electronics
- Cyber security in power systems

3. Mechanical Engineering:

- Additive manufacturing and 3D printing
- Advanced materials and composites
- Robotics and automation in manufacturing
- Energy-efficient systems and renewable energy in mechanical engineering

The programme featured renowned experts from academia and industry as resource persons, who shared their insights and experiences in the aforementioned thrust areas through lectures and interactive sessions. Hands-on workshops were conducted to provide participants with practical exposure to the latest tools, techniques, and technologies in civil, electrical, and mechanical engineering.



Sandip Foundation's Shri Ram Polytechnic

Approved by AICTE, New Delhi and Affiliated to SBTE, Patna, Bihar

Neelam Vidya Vihar, Village - Sijoul, Post – Mailam,

District – Madhubani, Bihar – 847235



ONE WEEK FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

INNOVATIVE AND EMERGING THRUST AREAS OF CIVIL, ELECTRICAL & MECHANICAL ENGINEERING

03.04.2023 to 08.04.2023

Schedule Hybrid (Online & Offline) Mode

DATE	Session I (10:30 AM-12:00 Noon)		Session II (02:00 PM - 3:30 PM)
03-04-2023	Inaugural Ceremony 10.00 AM	Future of Engineering Through Immersive Technology Dr. Ramakar Jha, Professor, NIT, Patna, India	Cyber Crime & Security Dr. D K Dheer, Assistant Professor, NIT Patna, India
04-04-2023	Research Methodology, Tools and Techniques Dr. Nirmal Kumar, Former - Principal, BCE, Bhagalpur, India		Role of Regional Language in Engineering Educational Institutions Dr. Saumitra Mani Tripathi, Education Department, UP Government, India
05-04-2023	Climate Change Impacts, Mitigation and Adaptation: An Engineering Multidisciplinary Thrust Area Dr. Vikas Kumar Vidyarthi, Assistant Professor, NIT Raipur, India		Noble Composite Materials for Engineering Applications Dr. Saroj Kumar Sarangi Associate Professor, NIT Patna, India
06-04-2023	NEP2020: Challenges and opportunities for Teachers of Higher Education Institutions Dr. Balbir Singh, Professor, SMVDU, Katra, J&K, India		Intellectual Property Rights Awareness Dr. D K Dheer, Assistant Professor, NIT Patna, India
08-04-2023	Preparation of Research Proposal Dr. Andriya Narasimhulu Assistant Professor, NSUT, New Delhi, India		Valedictory Programme & Feedback Session

OUTCOME

The Faculty Development Programme on Innovative and Emerging Thrust Areas of Civil, Electrical, and Mechanical Engineering witnessed active participation from faculty members across different institutions. The programme helped participants to enhance their knowledge and pedagogical skills in the latest advancements in their respective fields. The interactive nature of the programme facilitated knowledge sharing, networking, and interdisciplinary collaborations among participants.

The programme also served as a platform for potential industry-academia collaborations, with participants and resource persons discussing opportunities for real-world applications of emerging technologies in civil, electrical, and mechanical engineering. The hands-on workshops provided participants with practical exposure, enabling them to incorporate the latest tools and techniques in their teaching and research activities. Overall, the programme contributed to the professional development of faculty members and helped them stay updated with the latest trends and advancements in civil, electrical, and mechanical engineering.

CONCLUSION

The Faculty Development Programme on Innovative and Emerging Thrust Areas of Civil, Electrical, and Mechanical Engineering was a successful initiative that aimed to enhance the knowledge and skills of faculty members in these fields. The programme provided a platform for learning

FDP Participation Details		
1	Name of Convener	Prof. Ajay Kumar Prof. Chandra Prakash
2	College	Sandip Foundation's , Shri Ram Polytechnic
3	Venue	SF- SRP, Main Building, Madhubani, Bihar
4	Date	03/04/2023 To 08/04/2023
5	Branch	Civil/ Mechanical/ Electrical
6	No. of Participant (In-house / Out-house)	207
7	About Event	Innovative and Emerging Thrust Areas of Civil, Electrical and Mechanical Engineering

Photographs of the One week faculty Development Programme are enclosed with this report as detailed below:

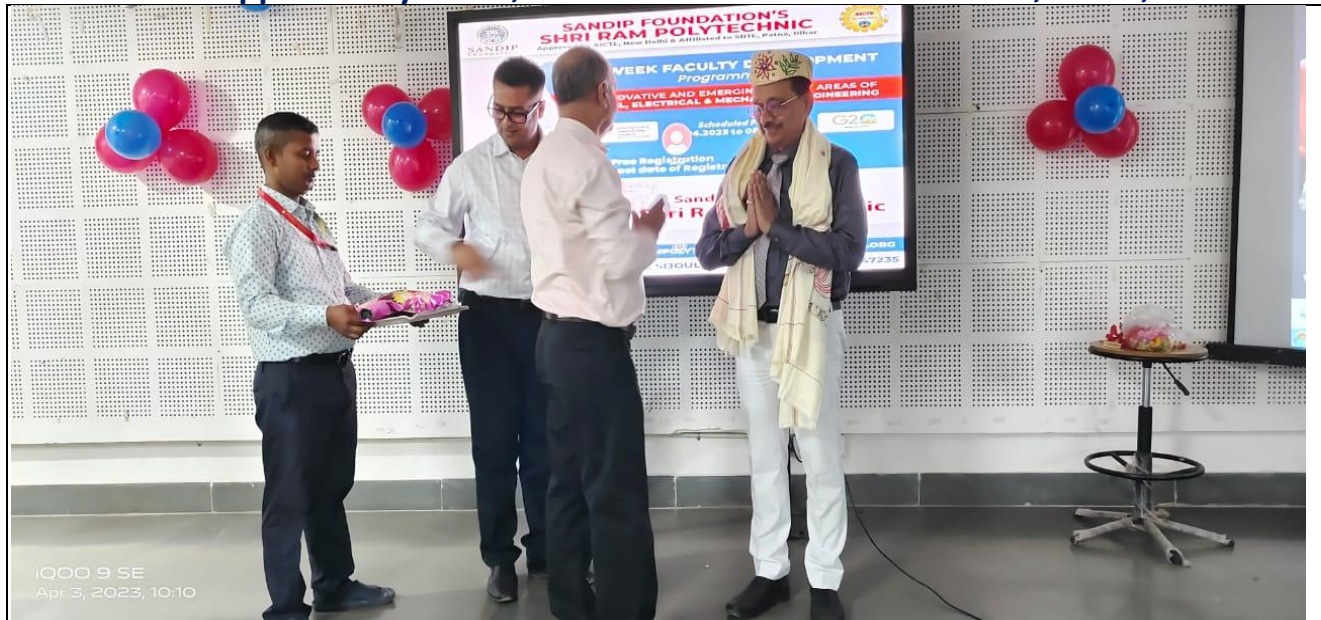


The poster features the Sandip Foundation logo at the top left and the AICTE logo at the top right. The main title is "SANDIP FOUNDATION'S SHRI RAM POLYTECHNIC" in large red letters, with "Approved by AICTE, New Delhi & Affiliated to SBTE, Patna, Bihar" below it. The central text reads "ONE WEEK FACULTY DEVELOPMENT Programme on INNOVATIVE AND EMERGING THRUST AREAS OF CIVIL, ELECTRICAL & MECHANICAL ENGINEERING". It includes logos for the Institution's Innovation Council and G20 India 2023. The schedule is "Scheduled From 03.04.2023 to 08.04.2023". A QR code is provided for registration, with the text "Free Registration Last date of Registration: 1st April 2023". The organizer is "Sandip Foundation's Shri Ram Polytechnic". Contact information at the bottom includes the phone number 7549991044, the website WWW.SHRI RAMPOLYTECHNIC.SANDIPFOUNDATION.ORG, and the address SHRI RAM POLYTECHNIC, SIJOU, MADHUBANI, BIHAR- 847235.

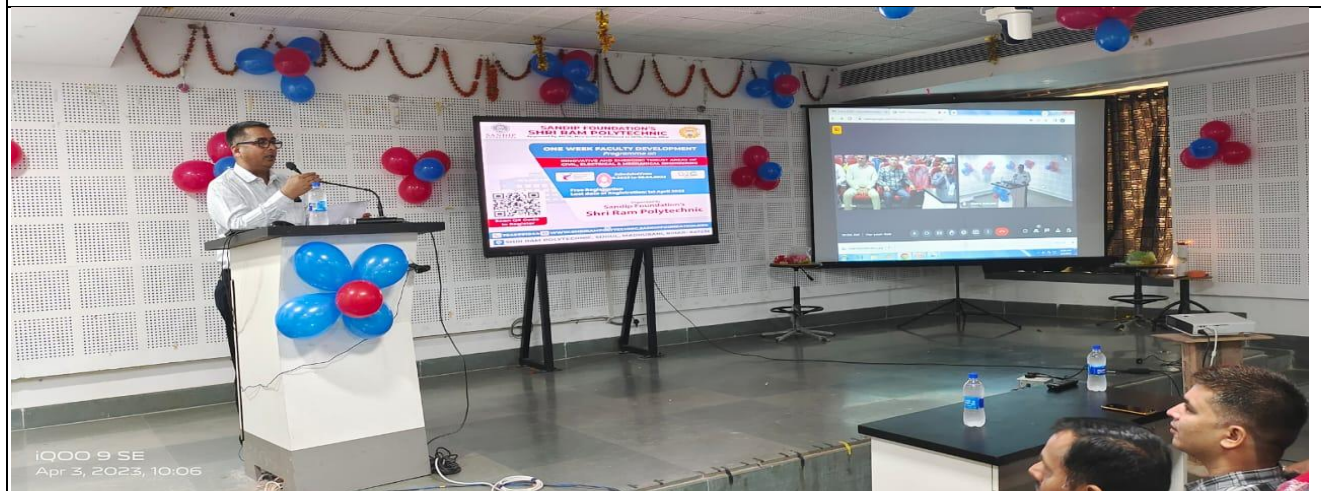
Poster of the Event



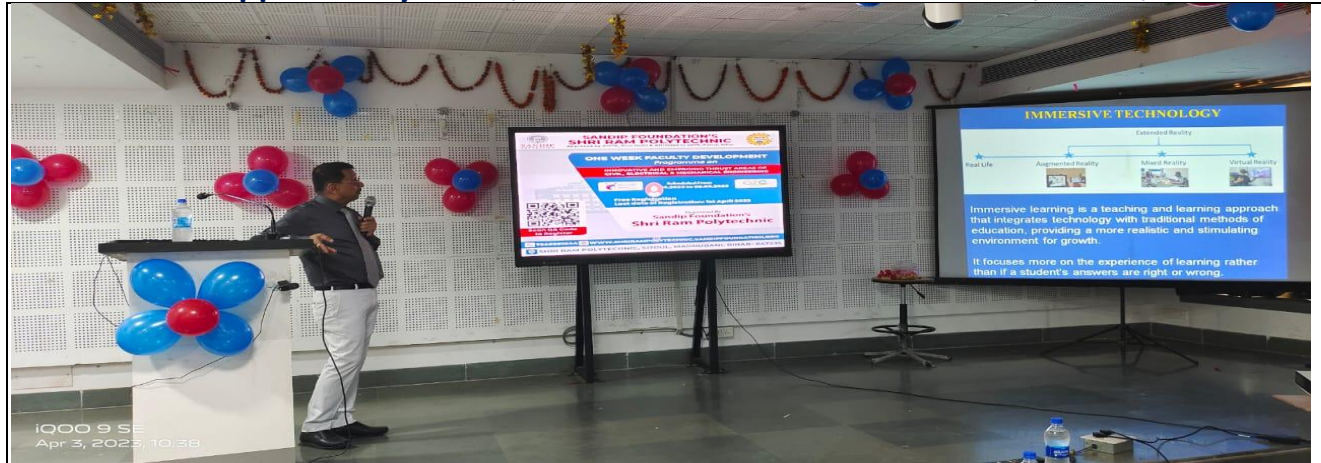
Snap of Inagural Lamp Lighting



Felicitation of Guest Speaker Prof. Ramakar Jha (NIT, Patna)



Inaugural Speech By Prof. Sanjay Kumar Jha (Principal, SF-SRP)



Snap During Programme





Offline & Online Participants





SANDIP
FOUNDATION

SANDIP FOUNDATION'S, SHRI RAM POLYTECHNIC

Neelam Vidya Vihar, Village - Sijoul, Post – Mailam,

District – Madhubani, BIHAR – 847235

Approved by AICTE, New Delhi and Affiliated to SBTE, Patna, Bihar



Snap of Valedictory Programme



श्री राम पॉलिटेक्निक में सात दिवसीय फैकेल्टी डेवलपमेंट प्रोग्राम ऐतिहासिक रहा

Education

April 9, 2023 Editor Leave A Comment

मधुबनी: 9 अप्रैल 2023 :- संदीप फाउंडेशन श्री राम पॉलिटेक्निक, सिजौल, मधुबनी के सभी विभागों के संयुक्त संयोजन तथा कॉलेज के प्राचार्य प्रो० संजय कुमार झा की अध्यक्षता में सात दिवसीय फैकेल्टी डेवलपमेंट प्रोग्राम का ऑफलाइन एवं ऑनलाइन आयोजन बड़ा ही ऐतिहासिक रहा। यह कार्यक्रम 3 जुलाई से 8 जुलाई तक लगातार दो-दो सत्र में आयोजित किया गया।

प्रथम दिवस उद्घाटन सत्र का संचालन करते हुए प्रो० सुजीत कुमार मिश्र ने कार्यक्रम के औपचारिक शुभारंभ की घोषणा की। कार्यक्रम का शुभारंभ माननीय मुख्य अतिथि नेशनल इंस्टिट्यूट ऑफ टेक्नोलॉजी पटना के डॉ० रमाकर झा, प्राचार्य प्रो० संजय कुमार झा एवं सभी विभाग के विभागाध्यक्ष ने दीप प्रज्वलन कर किया। मुख्य अतिथि का स्वागत मिथिला के परंपरानुसार पाग, अंगवस्त्र एवं पुष्पगुच्छ प्रदान कर किया गया।

कार्यक्रम में अलग-अलग प्रांतों से ऑनलाइन माध्यम के जरिए लगभग 200 से अधिक प्रवक्ता, अलग-अलग विश्वविद्यालय एवं कॉलेजों के प्रोफेसर, शोधार्थी एवं शिक्षा प्रेमियों ने हिस्सा लिया।

प्रथम दिन मुख्य वक्ता सह मुख्य अतिथि का परिचय एवं कार्यक्रम विवरण देते हुए कॉलेज के प्राचार्य प्रो० संजय कुमार झा ने कहा कि इस 'फैकेल्टी डेवलपमेंट प्रोग्राम' का मुख्य उद्देश्य शैक्षिक समुदाय को भारती ज्ञान-तंत्र की आवश्यकता, प्रसंगिकता और निष्कर्ष के प्रति एक व्यापक दृष्टिकोण प्रदान करना है। वह भी विशेष कर उन शिक्षकों को जो भारत के कॉलेजों और विश्वविद्यालयों में शिक्षण का कार्य कर रहे हैं। खासकर सिविल, इलेक्ट्रिकल और मैकेनिकल इंजीनियरिंग के अभिनव और उभरते हुए महत्वपूर्ण क्षेत्र के लिए इस प्रोग्राम में आज से लगातार एक सप्ताह तक देश के प्रतिष्ठित एवं उच्च शिक्षण संस्थानों से नौ व्याख्याता अपने व्याख्यान देंगे। उन्होंने पुनः सभी का स्वागत किया।

शनिवार के संध्या में समापन एवं प्रतिक्रिया-सत्र रखा गया था। जिसमें उपस्थित प्रतिभागियों को प्रमाण-पत्र प्रदान किया गया।

ऐतिहासिक रहा संदीप फाउंडेशन श्री राम पॉलिटेक्निक में सात दिवसीय 'फैकेल्टी डेवलपमेंट प्रोग्राम' सम्मिलित हुए 200 से अधिक प्राध्यापक

10:56:00 Am



संवाददाता - सुजीत मिश्र।

मधुबनी। संदीप फाउंडेशन श्री राम पॉलिटेक्निक, सिजौल, मधुबनी के सभी विभागों के संयुक्त संयोजन तथा कॉलेज के प्राचार्य प्रो० संजय कुमार झा की अध्यक्षता में सात दिवसीय फैकेल्टी डेवलपमेंट प्रोग्राम का ऑफलाइन एवं ऑनलाइन आयोजन बड़ा ही ऐतिहासिक रहा। यह कार्यक्रम 3 जुलाई से 8 जुलाई तक लगातार दो-दो सत्र में आयोजित किया गया।



Media Coverage of the Event