



INFOTREE

NEWSLETTER OF
THE DEPARTMENT OF INFORMATION TECHNOLOGY

VOLUME III (2020-21)



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**VISION AND
MISSION**

VISION

To achieve global standard in quality of education, research & development in Information Technology by adapting to the rapid technological advancement to empowering the IT-industry with the wings of knowledge and power of innovation through knowledge creation, acquisition and dissemination for the benefit of Society and Humanity.

MISSION

- To produce well-rounded, up to date, scientifically tempered, design oriented engineer and scientists capable of lifelong learning.
- To produce technologically competent and ethically responsible graduates through balanced and dynamic curriculum.
- To develop highly analytical and qualified IT engineers by imparting training on cutting edge technology professional ethics to make the nation as a knowledge power.
- To generate high quality knowledge resource in area of Information Technology and in emerging area to make valuable contribution in IT-Sector for social and economic development of nation.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

Graduates are expected to attain Program Educational Objectives within three to four years after the graduation. Following PEOs of Department of Information Technology have been laid down based on the needs of the programs constituencies:

- **PEO1:** Students will be able to engage in life-long learning and research including supportive and responsible roles on multi-disciplinary tasks.
- **PEO2:** Students will acquire, use and develop skills as required for effective professional and societal practices and leadership quality.
- **PEO3:** Students will be able to create a new dimension of innovation and entrepreneurship

PROGRAMME OUTCOMES (P O S)

- **PO1:** Engineering knowledge: An ability to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to get the solution of the engineering problems.
- **PO2:** Problem analysis: Ability to Identify, formulates, review research literature, and analyze complex engineering problems.
- **PO3:** Design/development of solutions: Ability to design solutions for complex engineering problems by considering social, economical and environmental aspects.

● **PO4:** Conduct investigations of complex problems: Use research-based knowledge to design, conduct analyse experiments to get valid conclusion.

● **PO5:** Modern tool usage: ability to create, select, and apply appropriate techniques, and to model complex engineering activities with an understanding of the limitations.

● **PO6:** The engineer and society: Ability to apply knowledge by considering social health, safety, legal and cultural issues.

● **PO7:** Environment and sustainability Understanding of the impact of the adopted engineering solutions in social and environmental contexts.

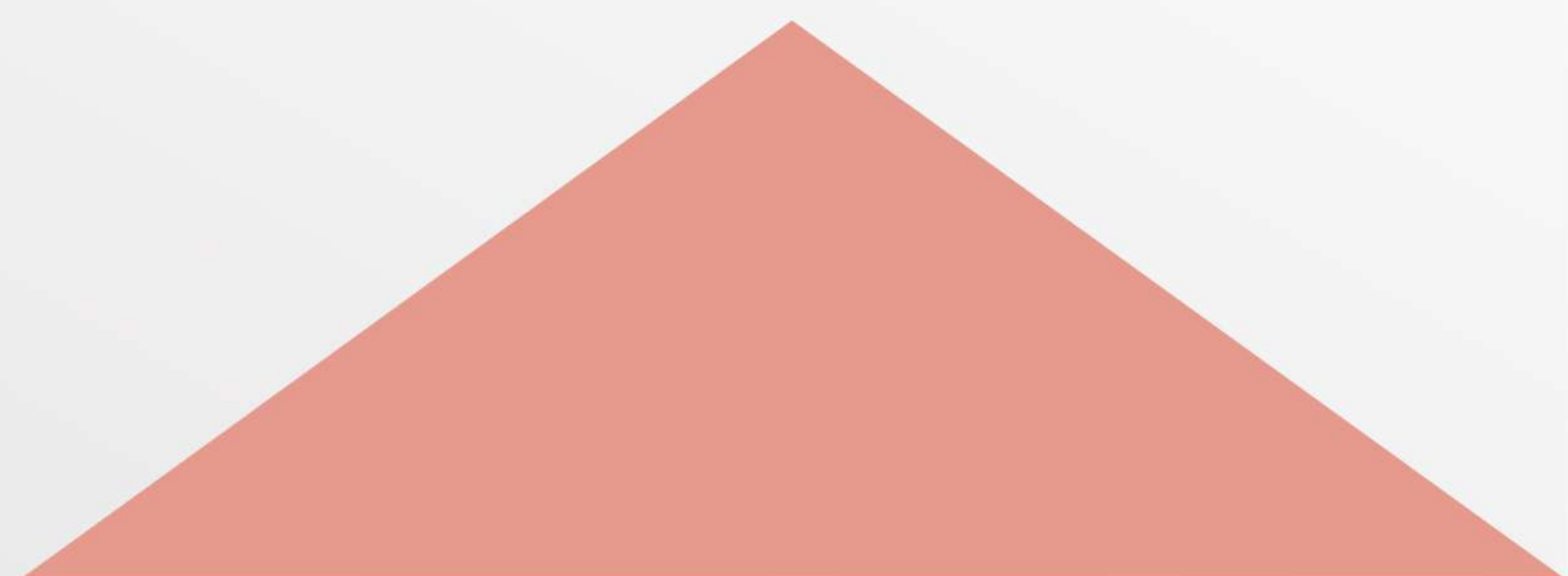
● **PO8:** Ethics: Understanding of the ethical issues of the civil engineering and applying ethical principles in engineering practices.

● **PO9:** Individual and teamwork: Ability to work effectively as an individual or in team, as a member or as a leader.

● **PO10:** Communication: An ability to communicate clearly and effectively through different modes of communication.

● **PO11:** Project management and finance: Ability to handle project and to manage finance related issue.

● **PO12:** Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning.



PROGRAMME SPECIFIC OUTCOMES (P S O S)

- **PSO1:** Analysis and design of different components of Software and Hardware and its application.
- **PSO2:** Identify and recommend sustainable technologies, materials and practice in different fields of IT.
- **PSO3:** : Capability of managing resources like: material, manpower and machine to achieve economical construction.

FROM PRINCIPAL'S DESK:



Late Prof(Dr.)Jagadanand Jha

“ In the twenty-first century where everything seems to be going through transitional phase education is not an exception. Education denotes much more than acquiring knowledge only. It is obtainment of knowledge, wisdom and skills to refine and increase the employability of young and inspiring talents.

I believe in overall development of my students. MIT tends to make students not only promising engineers, but also human beings developed in all faculties. We organise several events to facilitate overall development of our students. MIT is on the path of consistent advancement and the academic year 2018-19 has epitomized that. Compendium mirrors the activities in which MIT has made incredible mark. Our faculties and students have brought honour to the institute by achieving recognition at state and national level.

”

HOD'S MESSAGE



Prof.(Mr.)Vijay Kumar

“

Welcome to Department of Information Technology, Department of Information Technology was established in year 2001. The Department seeks to combine excellence in education with service to the industry. Our vision is to achieve global standard in quality of education, research & development in Information Technology by adapting to the rapid technological advancement to empowering the IT-industry with the wings of knowledge and power of innovation through knowledge creation. Our goal is to provide students with a balance of intellectual and practical experiences that enable them to serve a variety of societal needs. In our department students are nurtured to become best IT professionals as Project Managers, System Analysts or Team leaders in Industry or become Entrepreneurs in their own innovative way. We are having hard-working students young and dynamic faculty, whose expertise spans the range of disciplines in IT stream and a very healthy work-culture are the basic elements that comprise the Department of Information Technology. The Department of IT believes in building career, enriching minds and provides a remarkable experience that lasts a life time. I am confident that the students of the department would justify the credibility of the department by showing a high level of professional competence in their respective field.

”



Mr. Ashish Kumar

“

I take pride in presenting INFOTREE Volume III for year 2020-21. It is an effort to luminaries the indelible events and activities occurred at MIT in the academic year 2020-21. The newsletter foregrounds the achievements of our faculty members, staffs and students in academic year 2020-21. The editorial board shows its gratitude to all those who have helped MIT to achieve new mile stone. On Behalf of the editorial team, we thank our Hon'ble Principal, Late Prof. (Dr.) Jagadanand Jha, faculty members, staffs and students for their support in bringing out this newsletter. We sincerely hope this edition will be an interesting read! We would be happy to receive constructive criticism to improve the quality of the newsletter.

”



**ACADEMIC
ACTIVITIES**

01 | FIVE DAYS WORKSHOP ON ARTIFICIAL INTELLIGENCE

 5th –9th September 2019

 IT Building, MIT Muzaffarpur

A five-day workshop on Artificial Intelligence was organized by the Department of Information Technology, MIT Muzaffarpur in collaboration with the Department of Computer Science, NIT Patna sponsored by the IEEE Computational Intelligence Society and TEQIP III. The workshop was held from 5th –9th September 2019. The workshop was inaugurated by Dr. Akshay Deepak (Assist.Prof CSE, NIT Patna), Dr. Vikash Kumar (H.O.D, Dept. Of Mechanical Engineering, MIT Muzaffarpur), Mr. Ashish Kumar (TEQIP III Co-Ordinator, MIT Muzaffarpur), Mr. Vijay Kumar (H.O.D, Dept. Of Information Technology, MIT Muzaffarpur), Mr. Ashish Kumar (Assist.Prof, Information Technology).

The workshop was coordinated by the faculty and student coordinators. The main objective of the workshop was to create awareness among the students regarding Artificial Intelligence and its application in the corporate world and to perceive different projects through it. The total intake for the workshop was 60 including both students and faculties.



The resource persons were :

1. Dr. M.P Singh (Associate Prof.CSE, NIT Patna).
2. Dr. Jyoti Prakash Singh (Assist.Prof & Head CSE, NIT Patna).
3. Dr. Akshay Deepak (Assist.Prof CSE, NIT Patna).
4. Dr. Sudhakar Tripathi (REC Ambedkarnagar).

02

FIVE DAYS WORKSHOP ON CISCO IT ESSENTIALS & CCNA AND E-YANTRA” WITH COLLABORATION OF ECE DEPARTMENT



8th Jan. 2020 – 12th Jan. 2020



Super I-WAY Lab,
MIT Muzaffarpur

Five days workshop on "CISCO IT Essentials & CCNA and e-yantra" with the Collaboration of the ECE Department was conducted from 8th January 2020 to 12th January 2020 in Super I-WAY Lab, MIT Muzaffarpur.

The resource persons were:

1. Mr. Govind Kumar Jha
Assistant Professor, Department of CSE
Bhagalpur College of Engineering, Bhagalpur
2. Mr. Akhilesh Kumar
Assistant Professor, Department of CSE
Darbhanga College of Engineering, Darbhanga
3. Mr. Mohammad Aknan
Assistant Professor, Department of CSE
Sitamarhi Institute of Technology, Sitamarhi
4. Mr. Mohit Kumar
Assistant Professor, Department of ECE
Muzaffarpur Institute of Technology, Muzaffarpur

03

CLOUD APPLICATION DEVELOPMENT AND INTRODUCTION TO SALESFORCE ECOSYSTEM



3rd September 2019



IT LAB 1, IT Building,
MIT Muzaffarpur

Mr. Om Prakash, a product architect 360 Degree Cloud from Salesforce Community gave a session on “Cloud Application and Development and Introduction to Salesforce Ecosystem” organized by the Department of Information Technology in association with TEQIP III & Salesforce Community with the students on 3rd September 2019. He discussed TRAILHEAD, a platform to learn Salesforce skills, and also about a programming language called ‘APEX’ on Cloud Platform. He also shared the company’s goal to create 3million jobs by 2022 and how it’s a student group in Salesforce is recruiting the college students.

The resource persons were:

1. Mr. OM Prakash
Product Architect, Salesforce





**CULTURAL
ACTIVITIES**

01 | FRESHER 2019

 16th March 2019

 IT Building, MIT Muzaffarpur

“Under the stars, beneath the moon, it'll be a Christmas party you won't forget soon. A party for all so full of cheer, a room full of people we all hold dear”

With this tag line, the students of the 2017 batch wholeheartedly welcomed their juniors of the 2018 batch to bridge the gap and establish a strong bonding of mentoring, care, support, and friendship.






02 | TEACHER'S DAY 2019

 5th September 2019

 IT Building, MIT Muzaffarpur

"An Evening in the name of GURU", we celebrated Teacher's Day in the presence of our Dr. J. N Jha (Principal), Dr. Akshay Deepak (Assist. Prof.CSE, NIT Patna), Mr. Vijay Kumar (HOD Department of Information Technology), Mr. Ashish Kumar (Assist.Prof. Dept. Of Information Technology) and other faculty members and students from 2016,2017,2018 batches. Our faculties and students took a pledge by planting saplings to keep our campus eco-friendly and greener.





ACHIEVEMENTS

01 | CHAMKI ANDROID APP

The MIT student has designed an app for awareness of Chumki fever. It was launched on 24th February 2020, Monday by the state's Chief Electoral Officer HR Srinivas and DM Dr. Chandrashekhar Singh. BTech Third Year student Nitish Srivastava has designed this app. DM assured to provide all possible information and help for the app. Student Nitish said that Chumki fever affected Muzaffarpur the most. In this regard, the then DM Alok Ranjan Ghosh took the initiative regarding this. He wished that a medium could be created through which people could connect with the administration

चमकी एप लांच, बताएगा लक्षण व बचाव के उपाय



एप बनाने वाले छात्र को सम्मानित करते अतिथि।

मुजफ्फरपुर | एमआईटी में आईटी थर्ड ईयर के छात्र नीतीश श्रोकस्तव ने चमकी एप बनाया है। यह चमकी से जुड़ी जानकारी, लक्षण, उपाय और बचाव को लेकर लोगों को जागरूक करेगा। टेकमिनि-2020 के मैके पर बिहार के मुख्य चुनाव पदाधिकारी एचआर श्रीनिवास, डीएम चंद्रशेखर सिंह और एमआईटी के प्राचार्य डॉ. जेएन झा ने इसे लांच किया। छात्र नीतीश ने बताया कि पिछले दिनों चमकी बुखार ने मुजफ्फरपुर और आसपास के जिलों के बच्चों को अपना शिकार बनाया था। ऐसे में जागरूकता फैलाने के लिए यह एक आवश्यक प्रयास किया गया है। पूर्व डीएम आलोक रंजन घोष ने इसके लिए प्रयास किया था। उन्होंने बताया, एप में खीमारी से जुड़ी जानकारी, कारण और लक्षण का पता चल सकेगा। इसमें एक हेल्पलाइन नंबर भी होगा। यह सीधे-सीधे जिला प्रशासन से जुड़ा होगा। एप के माध्यम से जानकारी मिलते ही जिला प्रशासन सक्रिय होगा। चमकी बुखार में अगर शुरुआती एक घंटे में इलाज मिल जाए तो 90% से अधिक जान बच जाती है।

