



Managed by K.D.M. Education Society

VIDARBHA INSTITUTE OF TECHNOLOGY

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Approved by A.I.C.T.E., New Delhi, Govt. Of Maharashtra & Affiliated to RTM Nagpur University, Nagpur

& DBATU Lonere, Raigad

"NAAC ACCREDITED"

Internal Quality Assurance Cell (IQAC) Report Summary 2017 -18

As a quality enhancement and sustenance measure prescribed by the NAAC, the college established the Internal Quality Assurance Cell (IQAC) of Vidarbha Institute of Technology, Nagpur in 2016. Right from the inception, IQAC has been an integral part in developing a system for conscious, consistent and catalytic improvement in the overall performance of the College. The IQAC is committed towards internalization and institutionalization of quality enhancement initiatives in higher education. It helps the institution in planning and monitoring. IQAC also gives stakeholders including Students, Teachers, Parents, Alumni, funding agencies and Community, a cross-sectional participation in the institution's quality enhancement activities.

QUALITY INITIATIVES OF IQAC

- **Reconstitution of IQAC**
- **National Conference**
- **Faculty Development Programme**
- **Seminar**
- **Annual Programme SPARSH**
- **Training Programmes for Non-Teaching**
- **Feedback Analysis**
- **Introduction to Add-on Courses**
- **Result Analysis**
- **AQAR Submission**
- **IQAC Meetings**

➤ Reconstitution of IQAC

The IQAC was reconstituted and External Members were included. Eminent personalities & Students from various fields such as Employer, Industrialist, Stakeholders, Alumni etc. were included to advise the IQAC and the College on matters of relevance.

➤ National Conference:

Mechanical department conducted National Conferences in the session 2017-18. A National Conference on "Advancement in Robotics" on 8th December 2017 was organized in Class room 1 by Mechanical Engineering department for quality improvement of teaching staff. The schedule was divided in two sessions. First session was from 11.00am – 12.30pm, for theory and conceptual knowledge sharing while the second session was from 2.00pm-3.00pm, giving practical hands-on and understanding of advancement Robotics technology use in industries program. 20 number of participants were registered and all complete the National conference program successfully. Dr.Rakesh Himte HOD ME PIET Nagpur and Dr.Vivek Nanoti Principal PIET Nagpur were the resource/ Judge persons on this special event. Session Details for the day given here.

S.No	Session	Resource /Judge Person	Time : slot 1	Activity	Session's Coordinator
1	Session I	Dr.Rakesh Himte HOD PIET Nagpur	11.00am - 12.00 noon	Inauguration	Mr.VaibhavBankar
2			12.30pm - 2.00pm	Paper presentation on Robotics	Mr.Khushal Gawande
3	Tea Break		2.00 pm - 2.30pm		
4	Session-II	Dr.Vivek Nanoti Principal PIET Nagpur	2.30 pm - 4.30pm	Paper presentation on advancement in Robotics	Mr.Manish Bhagele

CHIEF PATRONS

Shri. J. N. Maheshwari
Chairman, KDM Education Society

Dr. (SM) Rojin J. Maheshwari
Secretary, KDM Education Society

Dr. G. S. Natrajan
Director, Vidarbha Institute of Technology

CONVENOR

Dr. S. S. Uttarwar
Principal VIT Nagpur

CO-CONVENOR

Prof. Nilesh Rodne
(Vice Principal and HOD, ECE dept)

Prof. Vaibhav Bankar
(HOD, ME dept)

Prof. Pravin Kulkarni
(HOD, CE dept)

Prof. Dr. Akshay Vaidya
(HOD, S&H dept)

CO-ORDINATOR

Prof. Vaibhav Bankar (7035960942)

Prof. Bharat Ambade (7035438627)

CO-COORDINATOR

Prof. Manish Bhargale (7263982459)

Email ID:- n2017vit@gmail.com

REGISTRATION FORM

NATIONAL CONFERENCE PROGRAMME

ON

Advancement in Robotics

8th Dec. 2017.

REGISTRATION FORM

Name _____

Designation _____

Organization _____

Qualification _____

Correspondence Address _____

Tel. (O) _____ (R) _____

Mobile No _____

Email _____

Date: _____

Place: _____ Signature _____

KDM Education Society

VIDARBHA INSTITUTE OF TECHNOLOGY, NAGPUR

Approved by AICTE, New Delhi, Govt. of Maharashtra &

Affiliated to

RTM Nagpur University



NATIONAL CONFERENCE PROGRAMME

ON

Advancement in Robotics

8th Dec. 2017

ORGANISED BY

DEPARTMENT OF MECHANICAL
ENGINEERING

VIDARBHA INSTITUTE OF TECHNOLOGY, NAGPUR

About The University

RTMNU Pashwanam Tukadoji Maharaj Nagpur University, is one of the premier educational institution of central India. Established since 1923, the premises of University are spread over 573 acres which consist of heritage building, 7 lush green campuses with gardens, enriched Biodiversity and spiritual antecedence of Tukadoji Maharaj imparts the academic culture within the University. "Jyoti Bharat Bandhu Bhay-Naya Vasu se, devachasa de" which means may Brotherhood prevail in this country, grants us this blessing. As Nagpur being located in the heart of India and has connectivity with every part of the country, for formal learning, the University boasts of 46 Postgraduate Teaching Departments (PGTD) and 3 Constituent Colleges/Institutions, 503 affiliated colleges offering UG, PG, MPhil and PhD courses to more than Four lakh students.

About College

Vidarbha Institute of Technology established in year 2009, is one of the premier institutions in Nagpur. It is a NAAC accredited, AICTE, DTE & DBATU approved institution and College has four UG Courses as well as PG courses.

About Department.

The department of Mechanical Engineering came into existence along with establishment of the institution in the 2008. It is prestigious one and one of the most sought after branch. It has always strived to deliver quality education keeping with the various emerging trends. The department is bits disposal well equipped labs to provide hands on experience and to realize the practical aspect of theory learned.

Qualified and competent faculty and skilled Supporting staff are the strength of the department.

Targeted Participant:

- Faculties of Electronics, ETC, Electrical, Mechanical, CSE, IT, First Year Engineering
- Research Scholars, PG Students
- Industrial Persons

Theme of the National conference:

With a growing realization that education is fundamental to growth and development, there is a pressing need to change the current teaching pattern. The focus is to shape "institutes of excellence" and to facilitate this transformation by training faculties with cutting-edge management and leadership skills. This workshop is aimed to introduce the essentials of facilitation of student learning in an interesting way to any faculty of engineering courses.

The program focuses on effective methods of teaching strategies implementable to retain the attention span adaptable for different types of students during the class hours.

This national conference program will provide many examples and case studies and the participants will be exposed to how to create blended instruction for their students and what to address when designing these experiences. In addition to this, participants will be exposed, how technology tools can foster collaboration while delivering engaging instructional content. They will also learn strategies for assessing students and managing a blended learning classroom.

The main objective of this FDP is to make faculty aware of the new trend in higher education occasioned by national education policy. It aims at providing the right direction, perspective and techniques that will help teachers adapt to the new curricula structure to rebuild new teaching methods.

Registration Fees: NIL

The participant should submit the application in prescribed format with no registration fees before 3rd Dec 2017 to the Co-ordinator.

Registration Link

<https://forms.gle/nbYSND2vmaJ39DSQ7>

SCHEDULE

8 December 2017 Morning session

Inauguration

Keynote speaker: Dr. Rakesh Himte

HOD(ME) PIET, Nagpur

Topic: Importance of Robotics in Industry.

Contact no. 9850328502

Afternoon session

Dr. Vivek Nand

Principal PIET, Nagpur

Contact No. 9923123155

Topic: - Latest advancement in Robotics.

Address By

Dr. Uttarwar Principal VIT, Nagpur



➤ Faculty Development Programme:

The IQAC cell of Vidarbha Institute Of Technology, Nagpur College organised an Faculty Development Program on the the topic "Advancement in Digital Image and video Processing" on 17 & 18 of November 2017. Faculties from Department of Electronics & Communication U.G. and P.G attended the programme. The programme began at 11:00 a.m. with Inauguration. Later on Mr. Nilesh Bodne, IQAC Coordinator, Head of Department and Assistant Professor, Dept. of Electronics & Communication , delivered the welcome speech. Principal offered felicitations to Mr. Satyawan Aglawe & prof. Lokesh Chawle. 54 teachers from various college of Electronics & Communication department attended the programme..

CHIEF PATRONS

Hon'ble
Shri Jitesh Maheshwari
Chairman, KDM Education Society

Hon'ble
Dr. (smt) Pooja Maheshwari
Secretary, KDM Education Society

Hon'ble
Dr. G.S. Natrajan
Director, Vidarbha Institute of Technology

Dr. S.S. Uthwar
In-charge VIT Nagpur

Dr. Nilesh Bodne
IQAC Coordinator, VIT Nagpur

Prof. Ganjam Munir
Coordinator

About Department

The department of Electronic & Communication works with belief in establishing professional & technical standards and a similar kind of environment prevailing. Considering the perceptibly heavy influence of development in Electronics of our society, the thorough knowledge of Electronics is necessary for the students for their future effective contribution as practicing engineers. Keeping this in view, the laboratories of the department have a strong idea of practice influencing theory and practical.

The Department has well equipped advanced and furnished laboratories to meet the state of art. Keeping track of the technology and to strike a balance between theory and practical applications, the latest equipments and software are made available. The adoption of collaborative learning strategies seeks to ascertain to what degree such strategies enhance student learning and persistence.

Tentative topics to be covered:

1. Fundamentals of Image Processing.
2. Image Transformation and its application.
3. Morphological Image Processing Compression.
4. Soft Computing Techniques.
5. Digital Mammographic Analysis.
6. Machine Vision.
7. Human Behaviour Analysis.
8. Image Mining.

Participants:

Registration Fee: Nil

Registration Link:

Last date for registration: 15/11/2017



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Faculty Development Program On Advancement in Digital Image & Video Processing

Organized By
**DEPARTMENT OF ELECTRONICS
AND COMMUNICATION
ENGINEERING**
Vidarbha Institute Of Technology
Nagpur

About College

VIDARBHA INSTITUTE OF TECHNOLOGY is providing the student community an opportunity to step into the computerized world, so that they do not find themselves at a great disadvantage mainly owing to weak foundation and inadequate coaching in their formative years. Our teaching staff has been chosen from those who have already spent considerable years in the profession. Extra bit of the teaching program would be closely monitored regularly so that we are able to correct the students at the right time. In today's scenario the student population continues to be deprived of quality education even where basic amenities are provided. Several of those passing out of the system are in no way equipped to stand shoulder to shoulder and compete with their more privileged counterparts at National Institutions. We at VIT would strive to reverse the trend and succeed close to a rural population would strive to provide the rural population also and opportunity to encourage their children to go in for higher education.

➤ Seminars:

IQAC organized various seminars with the collaboration of Electronics & communication department and First Year department in the year 2017-18. Intellectual property refers to the protection of creation of mind which has both a moral and a commercial value. Intellectual Property Rights are the rights given to the persons over the creation of their mind: usually give the creator an exclusive right over the use of his/her creations for a certain period of time

• Seminar on IPR by Electronics & Communication Department

The main objective of the seminar is to make students understand the concept of Intellectual Property, its importance and its need. And the topics covered are

Definition of Patents, Conditions of patentability, Patentable and non-patentable inventions, Types of etc.

Total 4 Faculty Members along with 26 UG students took part in the seminar .

- **Seminar on Entrepreneurship Development by First Year Department.**

The Seminar on Entrepreneurship Development was conducted by Vidarbha Institute Of Technology, Uti, Umrer road Nagpur on 05/12/2017. The Seminar was organized For UG students. Mr. Allan Abraham, Corporate Relationship Officer, RCOEM was the speaker. Entrepreneurship is a process of identifying and starting a business venture, Sourcing and organizing the required resources and taking both the risks and rewards associated with the venture. Entrepreneurship is a key factor for economic development. There is an increased rate of students across developed and developing countries considering the issues of self-employment. Whether you start your own company or choose to ascend the corporate ladder, maintaining the spirit of entrepreneurship all along the way is essential. This goes far beyond just making money.

➤ **Annual Programme “SPARSH”:**

Vidarbha Institute of Technology have been organized SPARSH-2018 on 23rd & 24th February 2018. The event was inaugurated by the BDO, Umrer, Shri. Dayashankar Rathod, Principal Dr. S. S. Uttarwar, Vice-Principal Prof. Nilesh Bodne, Director Dr. G. S. Natarajan and Co-ordinator Dr. Shweta Deoskar and Prof. Vaibhav Bankar. The various events organized in SPARSH were Singing Competition, Group and Solo Dance Competition, Debate Competition, Antakshri, One minute show, Drama, Fashion Show etc.



Delegates occupied on the dice Dr. S. S. Uttarwar, Principal VIT, Shri. Dayashankar Rathod, BDO Umrer

➤ Training Programmes for Non-Teaching

The IQAC cell of Vidarbha Institute of Technology College had successfully organized workshop for the non-teaching staff of the college. The workshop was conducted keeping in the mind the growing digitalization in every field, the need for every individual to stay abreast with the usage of computers.

The aim of the workshop was to build a learning environment in college which can be characterized by inclusiveness as one it's most integral attributes. The sessions were conducted by 15th January 2018 from the Department of Computer Science. The workshops proved to be extremely fruitful for the attendees. The First workshop titled, "**Introduction to computer awareness**" was held on the on 15/12/2017.

The second workshop titled, '**MS-Office training program**' was held on 26/01/2018. The objective of the workshop, which was to establish a degree of comfort for performing day-to-day activities using computers, was very well achieved.

Jitesh N. Maheshwari (Chairman, VIT), Dr. Pooja Maheshwari (Secretary, VIT) along with Dr. G.S. Natrajan (Director, VIT) and Dr. Sanjay S Uttarwar (Principal) said about that workshop was very helpful and useful for our non-teaching staff.



Non-Teaching staff getting information about software and hardware maintenance.

➤ **Feedback Analysis:**

Feedback is a way to understand the college's strength and identify the areas where more focus is needed based on the inputs from the stakeholders. National Assessment and Accreditation Council identifies **Students, Teachers, Alumni and Employers** as the stakeholders of higher education institution & Administration collected and processed Students feedback on academic as well as **infrastructural facilities**. Feedback is not just about faults in the institution and the system of education delivery, it works as a mirror to the college showing its strength and weakness, which is of utmost important for a HEI to stay relevant and deliver according to its vision and mission. In Action taken Report of 06th IQAC meeting it was discussed that "Feedback will collected from the Students, Teachers, Alumni and Employer. The improvement aspects suggested by the stakeholders were taken into cognizance by the departments". And in 04th meeting "HOD's interacted and counseled with staff members who are having low feedback to improve their teaching methodology".

➤ **Introduction to Add-on Courses**

IQAC Coordinator discuss the curricular aspect of the academic program and suggest improvements by introducing Add-on Courses. And "All members agree to introduce Add-on courses in upcoming academic session" expressed in 3rd IQAC Meeting.

➤ **Result Analysis**

In the Proceeding of 03th IQAC meeting this point was discussed by the Chairperson to the members that the result of even semester of all departments are satisfactory. Members from Local society ask the HOD's to take some remedial/tutorial classes to improve the results. All the members agreed to implement this before the next semester examination. Later on, it is being noticed that remedial classes helps in the improvement of Students results.

➤ **AQAR Submission:**

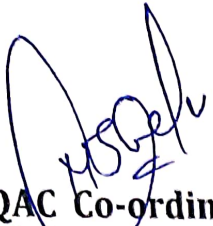
AQAR for the year 2016-2017 was submitted to NAAC, Bangalore.

➤ **All India Survey on Higher Education (AISHE):**

The IQAC submitted the College report to AISHE.

➤ **IQAC Meetings:**

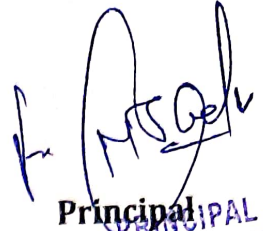
The IQAC had regular meetings with the members of each department. IQAC meetings with its internal and external members were held four times on 27.07.2017, 30.10.2017, 02.11.2017 and 27.01.2018.



IQAC Co-ordinator

IQAC Co-ordinator

Vidarbha Institute of Technology
Nagpur



Principal

Principal

VIDARBHA INSTITUTE OF TECHNOLOGY
Nagpur

