



Visvesvaraya Technological University
"Jnana Sangama", Belagavi-18
TEQIP Cell

Ref No: VTU/TEQIP 3/2020/465

Date:01/02/2020

TEQIP
Cell

Sub: Permission for Travel Arrangements, Accommodation and Food for AKU Team – Reg.
Ref: Mail from Dr. Dinesh Rangappa Twining Program Co-ordinator dated: 31.01.2020

① **Submitted:**

With reference to above subject, 18 members of Non Teaching staff of Aryabhata Knowledge University, Bihar, will be visiting Visvesvaraya Technological University, Belagavi on 05.02.2020 to 09.02.2020 under twining program.

In this connection, it is requested to permit us for making following Travel Arrangements, form VTU travel agents & also, it is requested to give the permission for accommodation in Girls and Boys hostel & Food on the following dates:

Travel arrangements and food for visit to skill development centre Dandeli and VTU Regional Mysuru. In this regard kindly sanction advanced amount Rs.20,000/- for food expenses during transit to TEQIP Coordinator. TEQIP staff will accompany AKU staff during VTU Skill Development Centre Dandeli.

Sl No.	Name of the Person	Travel Arrangement Required on
1	18 members of non teaching staff from AKU Bihar Patna	Pickup One member on 06.02.2020 Belagavi Airport 17 members Pickup from Belagavi bus stand on 06.02.2020 Drop to Dharwad Railwaystation on 08.02.2020
		Accommodation & Food Arrangement Required on
		06-02-2020 to 09-02-2020 in Girls and Boys Hostel

Kindly approve the same.

Enclosed: List of Non Teaching Staff of AKU Bihar, Patna.

TEQIP Coordinator: _____

3742/2020
E1 FEB 2020

2) PO) Submitted for approval, advance of Rs.15,000/- maybe approved. as per TEQIP norms.

01/2/2020
For kind approval
Approved.
01/2/2020

F-1 FEB 2020
1747
E1 FEB 2020
2865

3) Registrar
4) VC

AKU Non Teaching Staff Visit to VTU Belagavi under Twinning Program.

Visit Date:06th Feb to 9th Feb 2020

Program Schedule

Date	Activity Details	Time		Department	Resource Person	Venue
		From	To			
06.02.2020	Visit/Discussion/Training	10.00 AM	12.00 PM	Academic Section	Mrs Vanishree Raghuvver	Admin Section
06.02.2020	Visit/Discussion/Training	12.00 PM	13.30 PM	Finance Section	Mrs.M.A,Sapna	Finance Section
Lunch Break (13.30 pm to 14.30 pm)						
06.02.2020	Visit/Discussion/Training	14.30 PM	15.30 PM	Phd Section	Dr.Chandrashekar	Phd Section
06.02.2020	Visit/Discussion/Training	15.30PM	17.30 PM	Exam Section	Shri Veeranagouda Police Patil	Exam Section
06.02.2020	Evening Travel to Dandeli.(Food,Accomadation and Local Travel Arrangements by VTU Skill Development Centre Dandeli on 07.02.2020).					
07.02.2020	VTU Skill Development Centre & Sight Seeing @ Dandeli	10.00AM	17.30 PM	VTU Dandeli Centre	Dr. Vishal Kulkarni	VTU Skill Development Centre.
07.02.2020	Evening Travel to VTU Belagavi					
08.02.2020	Experiencing VTU Convocation Ceramoney	8.00 AM	18.00 PM	TEQIP CELL	Dr.S.L.Deshpande	Dr. APJ Abdul Kalam Auditorium
08.02.2020	Evening Travel to VTU Regional Office Mysore (travel from VTU Belagavi to Dharwad Railway Station by Road.Dharwad to Mysuru by Train).Food,Accomadation & Travel Arrangemnts on 09.02.2020 by VTU Regional Office Mysuru.					
09.02.2020	Visit/Discussion/Training	10.00 AM	17.30 PM	VTU PG Regional Office Mysuru	Dr. Manjunath.K	VTU PG Regional Office Mysuru



**Co-ordinator
TEQIP Cell
VTU, Belagavi.**



आर्यभट्ट ज्ञान विश्वविद्यालय, पटना

Gyan Parisar, Mithapur, Patna - 800001

E-mail: akuniv10@gmail.com

पत्रांक संख्या – 005/EXAM./1037/AKU/2018-

दिनांक- -03-2021

कार्यालय-आदेश

प्राप्त आदेश के अनुपालन में विश्वविद्यालय में कार्यान्वित परियोजना TEQIP-III के Twinning activity के अंतर्गत Post TEQIP collaboration the administrative procedures and Examination के संबंध में VTU, Belagavi में दिनांक- 22.03.2021 एवं 23.03.2021 को प्रस्तावित बैठक में भाग लेने हेतु विश्वविद्यालय के परीक्षा नियंत्रक (CoE) एवं वित्त पदाधिकारी (F.O.) को नामित किया गया है, जिनके संबंध में आने-जाने हेतु वायुयान टिकट की व्यवस्था करने का आदेश दिया जाता है। साथ ही बैठक में भाग लेने वाले नामित अधिकारियों द्वारा भोजन, स्थानिय यात्रा भत्ता इत्यादि की मांग कि जाने पर NPIU के नियमानुसार TEQIP अंतर्गत अनुमोदित दर के आधार पर भुगतान/प्रतिपूर्ति TEQIP मद से करने का आदेश दिया जाता है।

कुलपति के आदेशानुसार

ह०/-

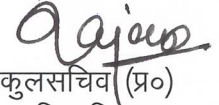
कुलसचिव (प्र०)

आर्यभट्ट ज्ञान विश्वविद्यालय, पटना।

ज्ञापांक संख्या – 005/EXAM./1037/AKU/2018-850

दिनांक -03-03-2021

प्रतिलिपि :- कुलपति के निजी सहायक, प्रति-कुलपति कार्यालय, कुलसचिव कार्यालय, Twinning Coordinator, MIS Officer, A.O. संबंधित पदाधिकारी/ सहायक को आवश्यक कार्यार्थ प्रेषित।



कुलसचिव (प्र०)

आर्यभट्ट ज्ञान विश्वविद्यालय, पटना।



ARYABHATTA KNOWLEDGE UNIVERSITY

Mithapur, Patna - 800 001

E-mail:- akuniv10@gmail.com

Letter No. 012/ACAD/23-01/AKU/M.Tech./2020 - 4013

Date: 12.12.2020

From,

The Registrar (I/c),
Aryabhatta Knowledge University, Patna.

To,

1. Prof. Kamal Prasad, Department of Physics, T.M.B. University, Bhagalpur
2. Prof. Dinesh Rangappa, Deptt. of Nanotechnology, VTU, Belagavi
3. Prof. Gajendra Prasad Singh,
HoC, Deptt. of Nanoscience and Technology, Central University of Jharkhand, Ranchi
4. Dr. Rakesh Kumar Singh,
Assistant Prof. cum In-charge (Academic), CNN, AKU, Patna

Special Invitees

1. Er. Kumar Surendra, Dean, School of Engg. & Technology & TEQIP Coordinator AKU, Patna
2. Prof. Santosh Deshpande, TEQIP Coordinator, VTU, Belagavi
3. Dr. Bushra Zaman, Nodal Officer (Academics), SPIU, Bihar

Sub.: Regarding attending the Meeting for revision of Syllabus of M.Tech. Course of Centre for Nanoscience & Technology (CNN), AKU, Patna and making necessary amendment in Ordinance for Credit transfer.

Sir,

With reference to the above mentioned subject, you are requested kindly to attend the Meeting for revision of Syllabus of M.Tech. Course of Centre for Nanoscience & Technology (CNN), Aryabhatta Knowledge University, Patna and making necessary amendment in Ordinance of Master of Technology (M.Tech) and Doctor of Philosophy (Ph.D.) programme in Nanoscience & Technology regarding Credit Transfer Facility as per TEQIP III Performance Audit Benchmark.

The Meeting is scheduled to be held on 15.12.2020 (Tuesday) at 01.30 p.m. in Conference Hall of AKU, Patna through Online/ Offline.

Thanking you.

By order of the Vice – Chancellor

Registrar (I/c)

Aryabhatta Knowledge University, Patna



ARYABHATTA KNOWLEDGE UNIVERSITY

Mithapur, Patna - 800 001

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Minutes of the meeting of the Committee for revision of M. Tech. Syllabus, CNN, AKU

The 1st meeting for the revision of Syllabus of M. Tech. course of Centre for Nanoscience & Technology of AKU, Patna and making necessary amendment in "Ordinance of Master of Technology (M.Tech.) and Doctor of Philosophy (Ph.D.) Programme in Nanoscience & Technology" regarding Syllabus and Credit Transfer Facility as per TEQIP III Performance Audit Benchmark, held on 29.08.2020 at 11.00 a.m. vide letter no. 012/Acad/23-01/AKU/M.Tech./2020-2407 dated 26.08.2020 in the Conference Hall of the Aryabhata Knowledge University, Patna.

Following members were present:

- 01 Prof. Santosh Deshpande,
TEQIP Coordinator, VTU, Belagavi. (Online)
- 02 Prof. Dinesh Rangappa, Deptt. of
Nanotechnology, VTU, Belagavi. (Online)
(Under twinning arrangement of TEQIP III)
- 03 Prof. Gajendra Prasad Singh, HoC, Deptt. of
Nanoscience and Technology, Central
University of Jharkhand. (Online)
- 04 Dr. Rakesh Kumar Singh,
Assistant Prof. cum In-charge (Academic),
CNN, AKU, Patna

Agenda No. 1(a): Revision of Syllabus of M. Tech. course of Centre for Nanoscience & Technology of AKU, Patna.

Agenda No. 1(b): Recommending necessary amendment in "Ordinance of Master of Technology and Doctor of Philosophy (Ph.D.) Programme in Nanoscience & Technology" regarding Syllabus, if any revision and Credit Transfer Facility as per TEQIP III performance audit benchmark.

Background: The "Ordinance of Master of Technology and Doctor of Philosophy (Ph.D.) Programme in Nanoscience & Technology" of AKU, Patna was approved by the Academic Council in its 4th meeting held on 29.07.2013. The Syllabus of M. Tech. course of Centre for Nanoscience & Technology of AKU requires revision to incorporate latest themes and practices, nurturing the students for augmenting the skills for research & innovation among them.

The Committee is requested to review the existing syllabus of M. Tech. course of Nanoscience & Technology of AKU and suggest the revision accordingly.

Discussion:

The Committee discussed in detail on the agenda of the meeting. Prof. Dinesh Rangappa, Deptt. of Nanotechnology, VTU, Belagavi opined that the Syllabus should be based on AICTE mandate

Nk. 11/08/20
29/08/20



ARYABHATTA KNOWLEDGE UNIVERSITY

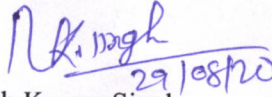
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and also suggested that University should have uniform P.G. Ordinance having similar Credit. The Committee member Prof. Gajendra Prasad Singh, HoC, Deptt. of Nanoscience and Technology, Central University of Jharkhand also suggested that the AKU Syllabus of M. Tech. should be based on AICTE mandate. Prof. Santosh Deshpande, Deptt. Nanoscience and Technology joined the meeting as Special Invitee and opined that the Credit Transfer Facility should be facilitated to AKU Students so that they attend the ongoing classes on common topics in VTU. Dr. Rakesh Kumar Singh, Assistant Prof. cum In-charge (Academic), CNN, AKU, Patna agreed upon the aforesaid suggestions and requested to have next meeting of the Committee in third week of September, 2020 in which he will place modified Syllabus of M.Tech. Nanoscience Course.

Resolution:

The committee resolved unanimously that M.Tech. Nanoscience Syllabus of AKU should be revised based on AICTE mandate incorporating atleast one Open Sources Software (FOSSEE) and one Virtual Lab course. Next meeting of the Committee should be convened online in Third week of September, 2020.


29/08/20

Dr. Rakesh Kumar Singh,
Assistant Prof. cum In-charge
(Academic), CNN, AKU, Patna

Prof. Gajendra Prasad Singh,
HoC, Deptt. of Nanoscience and
Technology, Central University
of Jharkhand

Prof. Dinesh Rangappa, Deptt. of
Nanotechnology, VTU, Belagavi.

Prof. Santosh Deshpande,
TEQIP Coordinator, VTU,
Belagavi

Attendance of the Committee constituted for revision of Syllabus of M. Tech. course of Centre for Nanoscience & Technology of AKU, Patna and making necessary amendment in Ordinance of Master of Technology and Doctor of Philosophy (Ph.D.) Programme in Nanoscience & Technology Regarding Syllabus and Credit Transfer Facility as per TEQIP III performance audit benchmark, held on 29.08.2020 at 11.00 a.m. vide letter no. 012/Acad/23-01/AKU/M.Tech./2020-2407 dated 26.08.2020 in the Conference Hall of the Aryabhata Knowledge University, Patna.

Attendance – Sheet

Sl. No.	Name	Email ID & Mobile No.	Signature	Account Details 1. Bank Name, 2. A/c No 3. IFSC Code
1	Prof. Santosh Deshpande, TEQIP Coordinator, VTU, Belagavi			1. 2. 3.
2	Prof. Dinesh Rangappa, Deptt. of Nanotechnology, VTU, Belagavi. (Under twinning arrangement of TEQIP III)			1. 2. 3.
3	Prof. Gajendra Prasad Singh, HoC, Deptt. of Nanoscience and Technology, Central University of Jharkhand			1. 2. 3.
4	Dr. Rakesh Kumar Singh, Assistant Prof. cum In- charge (Academic), CNN, AKU, Patna		<i>R.K. Singh</i> 29/08/20	



Visvesvaraya Technological University
"Jnana Sangama", Belagavi-18
TEQIP Cell

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**Co-ordinator
TEQIP Cell
VTU, Belagavi.**

Report on

Twinning Activity Conducted with the Mentee institute Aryabhata Knowledge University, Patna, Bihar

Under

TEQIP – III

Mentor Institute



Visvesvaraya Technological University
Belagavi, Karnataka

Mentee Institutes



Aryabhata Knowledge
University
Patna, Bihar

Submitted by

Dr. Dinesh Rangappa

Twinning Activity Coordinator, TEQIP-III, VTU, Belagavi

Professor and Program Coordinator

Department of Nanotechnology,

Visvesvaraya Technological University, Center for Post Graduate Studies,
Visvesvaraya Technological University, Muddenahalli, Chikkaballapur – 562101

September 2019

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About TEQIP III

The third phase of Technical Education Quality Improvement Programme (TEQIP-III) is fully integrated with the Twelfth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States (SCS) and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

TEQIP III will support approximately 200 engineering education institutes across India to produce higher quality and more employable engineers. The focus of the project is to strengthen engineering education in India's low-income, hill states and states of the North East. The Project will be implemented as a 'Central Sector Scheme' with total project outlay of Rs. 3,600 crore. However, the project would be initiated with a cost of Rs. 2,660 crore, with the possibility of additional financing of Rs. 940 crore at later stage. Out of the Rs.2,660 crore, the Central share will be Rs.1,330 crore and external assistance from the World Bank through International Development Association (IDA) Credit of Rs. 1,330 crore. The project is implemented with the facility of Direct Funds Transfer to the accounts of beneficiary institutes. The project started in the current year and will be coterminous with Fourteenth Finance Commission (FFC) in 2020.

The major outcomes of the project are:

- (i) Better academic standards, through accreditation, filling up faculty positions, training faculty in better teaching methods, improved research outputs in institution in Focus States/UTs.
- (ii) Better administration of the institutions with improved financial/academic autonomy.
- (iii) Better systems for assessment of Student Learning, higher transition rates.
- (iv) Transparent and expeditious release of funds to institutes by way of Direct Funds Transfer (DFT) System.

About 200 Government / Government aided engineering institutes and Affiliating Technical Universities (ATUs) including the Centrally Funded Technical Institutions (CFTIs) are selected in the project.

The project will cover all Government / Government aided engineering institutes, ATUs and CFTIs from Focus States. The Focus States are 7 Low Income States (Bihar, Chhattisgarh, Jharkhand, Madhya Pradesh, Rajasthan and Uttar Pradesh), 3 Hill States (Himachal Pradesh, Jammu & Kashmir and Uttarakhand), 8 North-Eastern States (Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura) and Union Territory of Andaman and Nicobar Islands.

The Project will support two components:

Component - 1: Improving quality and equity in engineering institutions in focus states

Sub-component 1.1: Institutional Development for Participating Institutions

Sub-component 1.2: Widening Impact through ATUs in focus states

Sub-component 1.3: Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutions and ATUs

Component-2: System Level initiatives to strengthen sector governance and performance

This component will support MHRD and key apex bodies in engineering education, including AICTE and NBA, to strengthen the overall system of engineering education.

About Sub-component 1.3: Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutions and ATUs

Institutions /ATUs will be selected on a competitive basis through Challenge Method. Selection will proceed in 3 stages. At the first stage, Eligibility criteria will be used to shortlist the TEQIP-I/TEQIP-II institutes/ Universities followed by ranking on the basis of their performance assessment. Top rankers from stage-1 will be invited to submit Institution Development Proposals (IDPs) in stage-2. The institutions will proceed to stage 3 for final selection. The proposal should include establishing a mentoring system for twinning arrangements to build the capacity and improvement in performance of institution/ATUs participating under sub-component 1.1/1.2 respectively.

Institutions are required to define the activities in their IDP that they want to carry out in the project. These activities should be under the scope of the project and are those that fulfil the objectives of the project. However, some of the suggested activities under the scope of the project are given below:

- Procurement of Goods (equipment, furniture, books LRs, software and minor items) and minor civil works
- Improvement in Teaching, Learning and Research competence
 - Improve student learning
 - Student employability
 - Increasing faculty productivity and motivation
 - Establishing a twinning system
 - Twinning arrangements with institutions under Sub-component 1.1 to build capacity and improved performance
 - Individual Institutional mentors

About Visvesvaraya Technological University

Visvesvaraya Technological University (VTU) is one of the largest Technological Universities in India with 20 years of tradition of excellence in Engineering & Technical Education, Research, and Innovations. It came into existence in the year 1998 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. University has successfully achieved the tremendous task of bringing various colleges affiliated earlier to different universities, with different syllabi, different procedures and different traditions under one umbrella. It has four regional centers across the State of Karnataka in Belagavi, Bengaluru, Kalaburagi, and Mysuru.

University is comprised of multi-disciplinary and multi-level institutions offering wide range of programmes in engineering, technology, and Management. The University is making steady progress in developing and providing best conducive environment for technical education and will continue to serve the nation in coming years. VTU is the first university in the country to take innovative steps in the examination reforms by adopting ICT technologies including indigenous Digital Evaluation System software. VTU has established the various Centers of Excellence in Karnataka to create world class infrastructure that can be shared by researchers, innovators and industry people.

About Aryabhatta Knowledge University

Aryabhatta Knowledge University (AKU), Patna has been established by Government of Bihar for the development and management of educational infrastructure related to technical, medical, management and allied professional education in the state. The objective of the university is to promote the professional education infrastructure to meet the national standard through well advanced course, infrastructure and quality faculty. Colleges and institutions imparting professional education such as Engineering and Technology including information Technology, Nano technology & Biotechnology, Management, Medicine, Health technology, Public Health Pharmacy, Optometry, Nursing, Education, Law etc. are affiliated with Aryabhatta Knowledge University.

As a Mentor institute, Visvesvaraya Technological University conducted following events with mentee institute Aryabhata Knowledge University under twinning activities

List of events conducted

1. Induction Training Program for Faculty Members
2. Training on Best Practices in Academic Leadership, Administration and Good Governance
3. One day work shop on Nano Engineering Science and Research Advances (NESARA)
4. One day work shop on Teaching, Learning and Research Practices in Computer Science & Engineering
5. One day work shop on Teaching, Learning and Research Practices in Electronics Engineering
6. One day work shop on Teaching, Learning and Research Practices in Mechanical Engineering
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8. Career Counselling and Placement Training and Industry Expectations from Young Engineers
9. One day visit to Gaya College of Engineering
10. Joint Workshop of students and faculties VTU and AKU
11. One day International Conference on Nano Engineering Science and Research Advances (NESARA - 2019)
12. Three days workshop on Nanotechnology: Opportunities and Challenges

Induction Training Program for Faculty Members

PROGRAM SCHEDULE

Date: 26-08-2019

Venue: A N Sinha Institute of Social Studies (ANSISS), Patna

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration <ul style="list-style-type: none"> □ Welcome of Dignitaries □ Lighting of Lamp □ Welcome address by Project Officer, TEQIP, AKU □ Address by Registrar, AKU, Patna □ Address by Pro Vice-Chancellor, AKU, Patna □ Address by Hon'ble Vice-Chancellor, AKU, Patna □ Address by TEQIP Coordinator, VTU, AKU, Patna
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 11.45 AM	Talk – 1 Title: Introduction to Induction Programme Dr. Dinesh Rangappa Professor and Programme Coordinator, Department of Nanotechnology, Visvesvaraya Technological University
11.45 AM – 12.30 PM	Talk – 2 Title: Show the Direction to reach the Destination Dr. Binoy Mathew Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka
12.30 PM – 01.15 PM	Talk – 3 Title: Universal human values in Indian University Education Dr. Thippeswamy Professor and Programme Coordinator, Department of Computer Science, Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.45 PM	Talk – 4 Title: Designing of Assessment RUBRICS Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University
02.45 PM – 03.30 PM	Talk – 5 Title: Promotion of Students Centric Teaching and learning approaches Dr. Basavaraj Gadgay Professor and Programme Coordinator, Department of Electronics & Communication, Visvesvaraya Technological University
03.30 PM – 04.15 PM	Talk – 6 Title: Micro Teaching (Building Interpersonal Skills) Dr. Shivamurthy Associate Professor & Program Co-ordinator, Department of Computer Science & Engineering (MCA & AIML), Visvesvaraya Technological University
04.15 PM – 04.45 PM	Vote of Thanks

Program Coordinators: Dr. Deepankar Shree Gyan, Twinning Coordinator, AKU, Patna & Dr. Dinesh Rangappa, Twinning Coordinator, VTU, Belagavi

Induction Training Programme for Faculty Members was conducted on 26th August, 2019 at A N Sinha Institute of Social Studies (ANSISS), Patna. The registration of the participants for the event was completed by 10 AM. The session started after a tea break from 11.00 AM to 11.15 AM.

The 1st talk delivered by the Speaker, Dr Dinesh Rangappa, Professor and Program Coordinator, Department of Nanotechnology, Visvesvaraya Technological University, introduced the induction programme by providing an overview and importance induction programme from 11.15 AM to 11.45 AM.

The session progressed with a 2nd talk by Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka. His talk was focussed on showing the direction to students in achieve their objectives from 11.45 AM – 12.30 PM.

The 3rd was delivered by Dr. Thippeswamy, Professor and Programme Coordinator, Department of Computer Science, Visvesvaraya Technological University. His talk stressed the importance of Universal human values in Indian University Education.

The session broke to lunch at 01.15 PM – 02.00 PM. Later the session resumed by 02.00 PM by Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University. His talk emphasised the Designing of Assessment RUBRICS. The next speaker Dr. Basavaraj Gadgay, Professor and Programme Coordinator, Department of Electronics & Communication, Visvesvaraya Technological University spoke about the Promotion of Students Centric Teaching and learning approaches.

Lastly, Dr. Shivamurthy Associate Professor & Program Co-ordinator, Department of Computer Science & Engineering (MCA & AIML), Visvesvaraya Technological University delivered the 6th talk of the day about the importance of Micro Teaching (Building Interpersonal Skills) from 03.30 PM – 04.15 PM. The programme ended with a vote of thanks from 04.15 PM – 04.45 PM.



Inauguration by Dignitaries from AKU and VTU



Group Photo of students and Staff from AKU & VTU



Students and Faculty from different colleges of AKU of Patna, Bihar*77



TEQIP III Co-ordinator of VTU Prof. Santhosh Deshpande addressing the gathering.



TEQIP III Coordinator Prof. Santhosh Deshpande and TEQIP Twinning activities Coordinator Prof. Dinesh Rangappa and other faculties from VTU interacting with Pro VC Prof. Dr. Kareem, AKU, Patna.





Talk delivered by the Speaker, Dr Dinesh Rangappa, Professor and Program Coordinator, Department of Nanotechnology, Visvesvaraya Technological University, introduced the induction programme by providing an overview and importance induction programme.



Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka. His talk was focussed on showing the direction to students in achieve their objectives.



Dr. Thippeswamy, Professor and Programme Coordinator, Department of Computer Science, Visvesvaraya Technological University. His talk stressed the importance of Universal human values in Indian University Education.



Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University. His talk emphasised the Designing of Assessment RUBRICS.



Dr. Shivamurthy Associate Professor & Program Coordinator, Department of Computer Science & Engineering (MCA & AIML), Visvesvaraya Technological University delivered the 6th talk of the day about the importance of Micro Teaching (Building Interpersonal Skills).



Dr. Basavaraj Gadgay, Professor and Programme Coordinator, Department of Electronics & Communication, Visvesvaraya Technological University spoke about the Promotion of Students Centric Teaching and learning approaches.

Training on Best Practices in Academic Leadership, Administration and Good Governance

PROGRAM SCHEDULE

Date:27-08-2019

Venue: Conference Hall, AKU, Patna

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University
12.15 PM – 01.15 PM	Talk – 2 Dr Mulla K R Librarian Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 03.00 PM	Talk – 3 Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University
03.00 PM – 04.00 PM	Talk – 4 Dr Shambu Lingappa Associate. Professor Department of MBA Visvesvaraya Technological University
04.00 PM – 04.30 PM	Valedictory

Program Coordinators: Twinning Coordinators, AKU, Patna & VTU, Belagavi

Training on Best Practices in Academic Leadership, Administration and Good Governance was conducted on 27-08-2019, at Conference Hall, AKU, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM.

The 1st talk delivered by the Speaker, Dr. Santhosh Deshpande, Professor and TEQIP-III Coordinator, Visvesvaraya Technological University, from 11.15 AM to 12.15 PM. The session progressed with a 2nd talk by Dr Mulla K R, Librarian, Visvesvaraya Technological University from 12.15 AM to 1.15 PM. The session broke to lunch at 01.15 PM – 02.00 PM. The session resumed at 02.00 PM from Dr. Santhosh Deshpande. The 4th talk was delivered Dr Shambu Lingappa, Associate. Professor, Department of MBA from 03.00 PM – 04.00 PM. The workshop ended with a vote of thanks from 04.15 PM – 04.30 PM.

One-day work shop on Nano Engineering Science and Research Advances (NESARA)

PROGRAM SCHEDULE

Date:27-08-2019

Venue: CNN, AKU, Patna

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr. Dinesh Rangappa Professor and Program Coordinator Department of Nanotechnology Visvesvaraya Technological University
12.15 PM – 12.45 PM	Talk – 2 Dr. Prasanna D Shivaramu Assistant Professor Department of Nanotechnology Visvesvaraya Technological University
12.45 PM – 01.15 PM	Talk – 3 Dr. S. V. Lokesh Assistant Professor Department of Nanotechnology Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 4 Dr. Rakesh Kumar Singh, Assistant Professor-cum-Academic (I/c), ACNN, AKU, Patna
02.30 PM – 03.00 PM	Talk – 5 Faculty from CNN, AKU
03.00 PM – 04.00 PM	Student Presentations and Group Discussion
04.00 PM – 04.30 PM	Valedictory

Program Coordinators:

Dr. Rakesh Kumar Singh, Assistant Professor-cum-Academic (I/c), ACNN, AKU, Patna

Dr. Anal Kant Jha, Assistant Professor-cum-Administrative (I/c), ACNN, AKU, Patna

One day workshop on Nano Engineering Science and Research Advances (NESARA) on 27-08-2019, at CNN, AKU, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered by the Dr. Dinesh Rangappa, Professor and Program Coordinator, Department of Nanotechnology. Visvesvaraya Technological University, from 11.15 AM to 12.15 PM. Prof. Rangappa explained the importance of 2D hetero-structure nanostructure and their application.

The session progressed with a 2nd talk by Dr. Prasanna D Shivaramu, Assistant Professor, Department of Nanotechnology Visvesvaraya Technological University from 12.15 PM – 12.45 PM. Dr. Prasanna presented on Nanocatalyst and their importance in environmental application and medicinal chemistry. The 3rd talk was delivered by Dr. S. V. Lokesh, Assistant Professor, Department of Nanotechnology, Visvesvaraya Technological University. He presented modified carbon electrodes and their application. The session broke to lunch at 01.15 PM – 02.00 PM. The session resumed at 02.00 PM by Dr. Rakesh Kumar Singh, Assistant Professor-cum-Academic (I/c), ACNN, AKU, Patna. The group discussions between the students' presentations and faculty discussions along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one day symposium ended with a valedictory function from 04.00 PM – 04.30 PM.



Dr. Dinesh Rangappa delivering technical talk



Dr. Prasanna D Shivaramu delivering technical talk



Dr. S. V. Lokesh delivering technical talk



Mr. Murthy, Research Scholar, VTU presenting his research work



Ms. Chirabhanu C P, Research Scholar, VTU presenting her research work



Group photo after workshop

One-day work shop on Teaching, Learning and Research Practices in Computer Science & Engineering

PROGRAM SCHEDULE

Date:27-08-2019

**Venue: Department of Computer Science & Engineering, Maullana Azad
College of Engineering and Technology, Patna**

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.00 Noon	Talk – 1 Dr K Thippeswamy Professor and Program Coordinator Department of Computer Science Visvesvaraya Technological University
12.00 Noon – 12.45 PM	Talk – 2 Dr G. Shivamurthy Associate Professor and Program Coordinator Department of Computer Science Visvesvaraya Technological University
12.45 PM – 01.15 PM	Talk – 3 Dr Shubhangini Patil Professor Department of Computer Science Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 4 Dr Vivekananda Reddy Assistant Professor Department of Computer Science Visvesvaraya Technological University
02.30 PM – 03.00 PM	Talk – 5 Faculty from Department of Computer Science & Engineering, Maullana Azad College of Engineering and Technology, Patna
03.00 PM – 04.00 PM	Student Presentation and Group Discussion
04.00 PM – 04.30 PM	Valedictory

**Program Coordinators: HOD, Department of Computer Science & Engineering,
Maullana Azad College of Engineering and Technology, Patna**

One-day work shop on Teaching, Learning and Research Practices in Computer Science & Engineering was conducted on 27-08-2019, at Department of Computer Science & Engineering, Maullana Azad College of Engineering and Technology, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered by the Dr K Thippeswamy, Professor and Program Coordinator, Department of Computer Science, Visvesvaraya Technological University from 11.15

AM to 12.00 PM. The session progressed with a 2nd talk by Dr G. Shivamurthy, Associate Professor and Program Coordinator, Department of Computer Science, Visvesvaraya Technological University from 12.00 PM – 12.45 PM. 3rd talk was delivered by Dr Shubhangini Patil, Professor, Department of Computer Science, Visvesvaraya Technological University. The session broke to lunch at 01.15 PM – 02.00 PM. The session resumed at 02.00 PM by Dr Vivekananda Reddy, Assistant Professor, Department of Computer Science, Visvesvaraya Technological University. The group discussions between the students' presentations and faculty discussion along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one-day workshop ended with a valedictory function from 04.00 PM – 04.30 PM.



Photographs taken during workshop

One-day work shop on Teaching, Learning and Research Practices in Electronics Engineering

PROGRAM SCHEDULE

Date:27-08-2019

**Venue: Department of Electronics Engineering, Maullana Azad College of
Engineering and Technology, Patna**

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr Basavaraj G Professor and Program Coordinator Department of Electronics Visvesvaraya Technological University
12.15 PM – 01.15 PM	Talk – 2 Dr Sarika Raga Associate Professor and Program Coordinator Department of Electronics Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 3 Faculty from Department of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna
02.30 PM – 03.00 PM	Talk – 4 Faculty from Department of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna
03.00 PM – 04.00 PM	Student Presentation and Group Discussion
04.00 PM – 04.30 PM	Valedictory

**Program Coordinators: Department of Electronics Engineering, Maullana Azad
College of Engineering and Technology, Patna**

One-day work shop on Teaching, Learning and Research Practices in Electronics Engineering was conducted on 27-08-2019, at Department of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered by Dr Basavaraj G, Professor and Program Coordinator, Department of Electronics, Visvesvaraya Technological University from 11.15 AM to 12.15 PM. The session progressed with a 2nd talk by Dr Sarika Raga,

Associate Professor and Program Coordinator, Department of Electronics, Visvesvaraya Technological University from 12.15 PM – 1.15 PM. The session broke to lunch at 01.15 PM – 02.00 PM. The next 2 sessions resumed at 02.00 PM by a faculties of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna The group discussions between the students' presentations and faculty discussion along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one-day workshop ended with a valedictory function from 04.00 PM – 04.30 PM.

One-day work shop on Teaching, Learning and Research Practices in Mechanical Engineering

PROGRAM SCHEDULE

Date:27-08-2019

**Venue: Department of Mechanical Engineering, Maullana Azad College of
Engineering and Technology, Patna**

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr Babu Reddy Associate Professor Department of Mechanical Engineering Visvesvaraya Technological University
12.15 PM – 12.45 PM	Talk – 2 Vinod Kumar M S Assistant Professor Department of Mechanical Engineering Visvesvaraya Technological University
12.45 PM – 01.15 PM	Talk – 3 Faculty from Department of Mechanical Engineering, Maullana Azad College of Engineering and Technology, Patna
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 4 Faculty from Department of Mechanical Engineering, Maullana Azad College of Engineering and Technology, Patna
02.30 PM – 03.00 PM	Talk – 5 Faculty from Department of Mechanical Engineering, Maullana Azad College of Engineering and Technology, Patna
03.00 PM – 04.00 PM	Student Presentation and Group Discussion
04.00 PM – 04.30 PM	Valedictory

**Program Coordinators: HOD, Department of Mechanical Engineering,
Maullana Azad College of Engineering and Technology, Patna**

One-day work shop on Teaching, Learning and Research Practices in Mechanical Engineering was conducted on 27-08-2019, at Department of Mechanical Engineering, Maullana Azad College of Engineering and Technology, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break

was given from 11.00 AM to 11.15 AM. The 1st talk delivered Dr Babu Reddy, Associate Professor, Department of Mechanical Engineering, Visvesvaraya Technological University from 11.15 AM to 12.15 PM. The session progressed with a 2nd talk by Vinod Kumar M S, Assistant Professor, Department of Mechanical Engineering, Visvesvaraya Technological University 12.15 PM – 12.45 PM. On the day 3 talks were delivered by a faculties of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna The group discussions between the students' presentations and faculty discussion along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one-day workshop ended with a valedictory function from 04.00 PM – 04.30 PM.



Group Photograph taken after workshop

One-day work shop on Teaching, Learning and Research Practices in Civil Engineering

PROGRAM SCHEDULE

Date:27-08-2019

Venue: Department of Civil Engineering, NSIT, Patna

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr Venkata Ramana Professor Department of Civil Engineering Visvesvaraya Technological University
12.15 PM – 12.45 PM	Talk – 2 Rohan S Gurav Assistant Professor Department of Water and Land Management Visvesvaraya Technological University
12.45 PM – 01.15 PM	Talk – 3 Srinivasa M B Assistant Professor Department of Civil Engineering Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 4 Faculty from Department of Civil Engineering, NSIT, Patna
02.30 PM – 03.00 PM	Talk – 5 Faculty from Department of Civil Engineering, NSIT, Patna
03.00 PM – 04.00 PM	Student Presentation and Group Discussion
04.00 PM – 04.30 PM	Valedictory

Program Coordinators: HOD, Department of Civil Engineering, NSIT, Patna

One-day work shop on Teaching, Learning and Research Practices in Civil Engineering on 27-08-2019, at Department of Civil Engineering, NSIT, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered Dr Venkata Ramana Professor, Department of Civil Engineering, Visvesvaraya Technological University from 11.15 AM to 12.15 PM. The session progressed with a 2nd talk by Rohan S Gurav, Assistant Professor, Department of Water and Land Management, Visvesvaraya Technological University 12.15

PM – 12.45 PM. The 3rd talk was delivered Srinivasa M B, Assistant Professor, Department of Civil Engineering, Visvesvaraya Technological University. Further 2 more talks were delivered by faculties from Department of Civil Engineering, NSIT, Patna from 02.00 PM to 03.00 PM. The group discussions between the students' presentations and faculty discussion along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one-day workshop ended with a valedictory function from 04.00 PM – 04.30 PM.



Group photograph after workshop

Career Counselling and Placement Training and Industry Expectations from Young Engineers

PROGRAM SCHEDULE

Date:27-08-2019

Venue: Maullana Azad College of Engineering and Technology, Patna

Time	Speaker
10.00 AM – 1.00 AM	Dr. Binoy Mathew Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka

Program Coordinators: Placement Officer, Maullana Azad College of Engineering and Technology, Patna

Work shop on Career Counselling and Placement Training and Industry Expectations from Young Engineers Engineering on 27-08-2019, Maullana Azad College of Engineering and Technology, Patna. Talk delivered Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka from 10.00 AM – 01.00 PM.

Venue: Netaji Subhash Institute of Technology, Patna

Time	Speaker
02.00 PM – 05.00 PM	Dr. Binoy Mathew Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka

Work shop on Career Counselling and Placement Training and Industry Expectations from Young Engineers Engineering on 27-08-2019, **Netaji Subhash Institute of Technology, Patna.** Talk delivered Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka from 02.00 – 05.00PM

Visit to Gaya College of Engineering, Gaya

PROGRAM SCHEDULE

Date:28-08-2019

Venue: Gaya College of Engineering, Gaya.



Photographs taken during visit of faculty members and students of VTU to Gaya College of Engineering

The faculty and students from VTU PG Center visited Gaya College Engineering and discussed with faculty and students of the college. The principle of the GCE, Gaya, appreciated the time spent by VTU and AKU team and requested to organize more such visits to college.

Joint Workshop of VTU-AKU Students and Faculties

PROGRAM SCHEDULE

Date: **29-08-2019**

Venue: **A N Sinha Institute of Social Studies (ANSISS), Patna**

Program Coordinators: Twinning Coordinators, AKU, Patna & VTU, Belagavi

One-day work shop on Training on employability skill Joint Workshop of VTU-AKU Students and Faculties on 29-08-2019, at A N Sinha Institute of Social Studies (ANSISS), Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered Mr. Anand Kumar, Mathematician of Super 30 fame. The session progressed with talk by Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka and Dr. Dinesh Rangappa.

The event ended with valedictory function.



Address by Mr. Anand Kumar, Mathematician of Super 30 fame in the Inaugural Function



Faculties from VTU Felicitated in the event

SPONSORED ONE DAY INTERNATIONAL CONFERENCE ON

NANO ENGINEERING SCIENCE AND RESEARCH ADVANCES (NESARA - 2019)**09-09-2019**

Organised by

DEPARTMENT OF NANOTECHNOLOGY
VISVESVARAYA TECHNOLOGICAL UNIVERSITY

In Association with

ARYABHATTA KNOWLEDGE
UNIVERSITY
PATNA, BIHARBIJU PATNAIK UNIVERSITY OF TECHNOLOGY
ODISHA
BHUVANESHWAR, ODISHA

In Collaboration with

TOHOKU UNIVERSITY
JAPAN**PROGRAM SCHEDULE**

Venue: Seminar Hal, VTU PG Center, Muddenahalli

Time	Event
09.00 - 10.00	Registration/Poster Presentation
10.00 - 10.45	Inauguration
10.45 - 11.30	Key Note Address <i>Development of heterocyclic molecules for cancer therapy and nano catalysts for their synthesis</i> Dr. K. S. Rangappa General President, Indian Science Congress Association Distinguished Professor and Former Vice Chancellor, University of Mysore, Mysore
11.30 - 12.00	TEA BREAK / POSTER SESSION
12.00 - 12.30	Invited Talk – 1 <i>Size-/Morphology-controlled Nanomaterials Synthesis via Supercritical Fluid Processes</i> Dr. Takaaki Tomai Tohoku University, Japan
12.30 - 13.00	Invited Talk – 2 <i>Science and technology of mechanistically enhancing non-linear optical absorption in carbonaceous nanomaterials for laser safety</i> Dr. Balaram Sahoo Indian Institute of Science (IISc), Bengaluru
13.00 - 14.00	LUNCH BREAK / POSTER SESSION
14.00 - 14.30	Invited Talk – 3 <i>Environmentally benign hydrometallurgical process to recover Co and Li from spent Li-ion batteries</i> Dr. J. Manjanna Rani Chennamma University, Belagavi
14.30 - 15.00	Invited Talk – 4 <i>Mechanistic study of supercritical hydrothermal synthesis: Kinetics of nickel oxide formation toward process design</i> Dr. Akira Yoko Tohoku University, Japan
15.00 - 15.30	TEA BREAK / POSTER SESSION
15.30 - 16.00	Invited Talk – 5 <i>Metal-Modified Covalent Triazine Frameworks: Electrocatalysts for the Reduction of Carbon Dioxide to Carbon Monoxide</i> Dr. Kazuyuki Iwase Tohoku University, Japan
16.00 - 16.30	Invited Talk – 6 <i>Indian based Traditional Ayurvedic medicine (Bhasma) as Nanomaterials and Ancient Indian Wisdom</i> Dr. Rakesh K Singh Aryabhata Knowledge University, Patna
16.30 - 17.00	Concluding Remarks

One-day International Conference on Nano Engineering Science and Research Advances (NESARA-2019) was organized on 09th September 2019 by Department of Nanotechnology, Visvesvaraya Technological University, Muddenahalli in association with Aryabhata Knowledge University, Patna, Bihar and Biju Patnaik University Technology, Bhubaneswar, Odisha in collaboration with Tohoku University, Japan.

Chief Guest Professor K. S. Rangappa, General President, Indian Science Congress Association, Distinguished Professor and Former Vice Chancellor, University of Mysore inaugurated the conference.

Guest of Honour Professor Takaaki Tomai and the conference Organising Chair Dr Dinesh Rangappa, Centre Coordinator Dr. N. Chikkanna and Conference conveners Dr. Prasanna D. Shivaramu and Dr. S.V. Lokesh were present.

Prof. K. S. Rangappa delivered inaugural key note address on importance of nanotechnology in the field of biomedical field and cancer therapy. Prof. Rangappa appreciated VTU for creating International Level Research Centre – Visvesvaraya Centre for Nanoscience and Technology and Department of Nanotechnology at VTU Muddenahalli Campus. Prof. Rangappa Urged the Government and Universities to support the such kind of research activities in the educational institutions and call all the students and researchers to make use of the State of the Art Research Facility created by VTU at Muddenahalli and contribute to address the social needs in the area of Health, Energy, Environment and Engineering fields.

Prof. Takaaki Tomai, who is from Tohoku University Japan, in his speech, mentioned that Tohoku University and Department of Nanotechnology VTU are engaged in developing Next Generation Battery technology based on Na and Mg ions, with Prof. Dinesh Rangappa and Prof. Tomai leading the research project from the respective side under DST-JSPS sponsored Project.

Dr. Balaram Sahoo from Indian Institute of Science Bengaluru, Dr. Rakesh Singh, from Aryabhata knowledge University, Dr. J. Manjanna from Rani Chennamma University, Dr. Akira Yoko and Kazuyuki Iwase from Tohoku University Japan presented their research finding.

Mrs. Navya Rani M done the master of ceremony, Mrs. Sindh Sree M. Sung Invocation Song, Dr. Prasanna Welcomed the gathering and Dr. S. V. Lokesh placed on record Vote of Thanks.



Professor K. S. Rangappa, General President, Indian Science Congress Association, Distinguished Professor and Former Vice Chancellor, University of Mysore inaugurating the Conference



Photos taken during Inauguration of NESARA-2019



Invited Talk by speakers during the conference



Speakers of the Conference felicitated in the Valedictory Function



Group photo after the Conference

SPONSORED WORKSHOP ON NANOTECHNOLOGY : CHALLENGES AND OPPORTUNITIES

10-12 SEPTEMBER 2019

Organised by



DEPARTMENT OF NANOTECHNOLOGY
VISVESVARAYA TECHNOLOGICAL UNIVERSITY

In Association with



ARYABHATTA KNOWLEDGE
UNIVERSITY
PATNA, ORISSA



BIJU PATNAIK UNIVERSITY OF TECHNOLOGY
BHUVANESHWAR, ODISHA

PROGRAM SCHEDULE

Time	Event
DAY 1: 10-09-2019	
Venue: Seminar Hal, VTU PG Centre, Muddenahalli	
10.00 AM – 11.00 AM	Technical Talk Dr. Dinesh Rangappa Professor and Program Coordinator Department of Nanotechnology Visvesvaraya Technological University
11.00 AM – 11.30 AM	Technical Talk Dr. Prasanna D Shivaramu Department of Nanotechnology Visvesvaraya Technological University
11.30 AM – 12.00 AM	Tea Break
12.00 PM – 12.30 PM	Technical Talk Dr. Lokesh S V Department of Nanotechnology Visvesvaraya Technological University
12.30 PM – 01.00 PM	Technical Talk Dr. Rakesh K Singh Aryabhatta Centre for Nanoscience & Technology Aryabhatta Knowledge University, Patna
01.00 PM – 02.00 PM	Lunch Break
02.00 PM – 03.30 PM	Presentation by students of VTU and AKU
03-30 PM – 04-00 PM	Tea Break / Poster Session
04.00 PM – 05.00 PM	Panel Discussion
DAY 2: 11-09-2019	
10.00 AM – 04.00 PM	Visit to National Facility at CeNSE, IISc, Bangalore
DAY 3: 12-09-2019	
10.00 AM – 04.00 PM	Visit to Lab Facility at Dept. of Nanotechnology, VTU and discussion

3 Days workshop on Nanotechnology: Challenges and Opportunities

Department of Nanotechnology VTU PG Centre Muddenahalli, conducted 3 Days workshop on Nanotechnology: Challenges and Opportunities during 10-12, September 2019 in association with Aryabhata Knowledge University, Patna, Bihar and Biju Patnaik University Technology, Bhubaneswar, Odisha under TEQIP III sponsorship. Resource persons Dr. Dinesh Rangappa, Professor, Dr. Prasanna D. Shivaramu, Assistant Professor and Dr. S.V. Lokesh, Assistant Professor Department of Nanotechnology VTU PG Centre Muddenahalli and Dr. Rakesh K. Singh, from Aryabhata Knowledge University, Patna, Bihar were present in the inauguration.

The workshop included 4 invited talks by faculty of VTU and AKU Nanotechnology Department along with presentation by M.Tech and Ph.D students of the respective Universities. The Second Day A visit was organised to National Facility in Nanotechnology at Centre for Nanoscience and Engineering (CeNSE, IISc. Bangalore). Students were given Demonstration on the facilities at CeNSE.





Photographs taken during workshop

Final day group discussion, Experts Panel discussion, seminars and lab visit was organised at Department of Nanotechnology. All the students from both the university were engaged in discussion in presence of faculty and research scholars who facilitated the group discussion on challenges and opportunities in Nanotechnology. Panel discussion was organised with experts where, students and scholars engaged in the discussion and interacted with faculties.

Feedback from the Participants



Three Days Workshop on Nanotechnology: Challenges & Opportunities – 2019

Sep 10-12, 2019

Department of Nanotechnology, VTU PG Center

Muddenahalli, Chikkaballapur

DELEGATE FEEDBACK FORM

Name of the Organization: ACNN AKU, PATNA

Name of the Delegate: SHASHANK BAUSHANI DAS

Designation: M.Tech (NS & NT) (Student)

Contact No: 9773343670 Email id: shashank.acist@gmail.com

1. How do you rate the quality of content in the Workshop?

Quality of workshop was very nice and lessonful.

2. Any topics you would like to have in the upcoming Workshop?

Nanotechnology in Energy and Environment.

3. How do you rate the Hospitality?

It was awesome, all people were kind hearted.

4. Your valuable comments & suggestions

I would like share my valuable comment that I experienced very amazing lessonful lesson. Hope I will again participate in these types of programs.

THANK YOU!!



DELEGATE FEEDBACK FORM

Name of the Organization: ACNN, AKU, Patna

Name of the Delegate: Ashutosh Kumar

Designation: M-Tech Scholar

Contact No: 721079242 Email id: ashutipune@gmail.com

1. How do you rate the quality of content in the Workshop?

Excellent, very informative and two way interaction on day 2 was very useful. We came to know about different

2. Any topics you would like to have in the upcoming Workshop? works going in nanotechnology,

I would like to suggest nanotechnology and management i.e. how you can become entrepreneur in this field.

3. How do you rate the Hospitality?

Amazing hospitality, nice food, everyone supported us every time - especially Pawan sir, Resal sir, Chetan sir they gave their full efforts in accompanying us every where.

4. Your valuable comments & suggestions

I would like to thank each & every student of ~~each~~ the Curious Lab visit was very well organised and well explained by Mahesh sir, Chitra ^{mani} mam, and others..

kindly organise some more conferences so that we can get more & more exposure in different fields. All students are very dedicated. We learnt a lot from you.

THANK YOU!!!

Thanks

Ashutosh Kumar



DELEGATE FEEDBACK FORM

Name of the Organization: Arjabhata Knowledge University

Name of the Delegate: Archana Kumari

Designation: M. Tech.

Contact No: 8709157214 Email id: archie5111993@gmail.com

1. How do you rate the quality of content in the Workshop?

The quality of Workshop was very good.

2. Any topics you would like to have in the upcoming Workshop?

Broadening the scope of Nanotechnology.

3. How do you rate the Hospitality?

Excellent

4. Your valuable comments & suggestions

All things was just perfect, we would like to attend these kind of workshop in future also.

THANK YOU!!

Report on

Twinning Activity Conducted with the Mentee institute Aryabhata Knowledge University, Patna, Bihar

Under

TEQIP – III

Mentor Institute



Visvesvaraya Technological University
Belagavi, Karnataka

Mentee Institutes



Aryabhata Knowledge
University
Patna, Bihar

Submitted by

Dr. Dinesh Rangappa

Twinning Activity Coordinator, TEQIP-III, VTU, Belagavi

Professor and Program Coordinator

Department of Nanotechnology,

Visvesvaraya Technological University, Center for Post Graduate Studies,

Visvesvaraya Technological University, Muddenahalli, Chikkaballapur – 562101

September 2019

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About TEQIP III

The third phase of Technical Education Quality Improvement Programme (TEQIP-III) is fully integrated with the Twelfth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States (SCS) and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

TEQIP III will support approximately 200 engineering education institutes across India to produce higher quality and more employable engineers. The focus of the project is to strengthen engineering education in India's low-income, hill states and states of the North East. The Project will be implemented as a 'Central Sector Scheme' with total project outlay of Rs. 3,600 crore. However, the project would be initiated with a cost of Rs. 2,660 crore, with the possibility of additional financing of Rs. 940 crore at later stage. Out of the Rs.2,660 crore, the Central share will be Rs.1,330 crore and external assistance from the World Bank through International Development Association (IDA) Credit of Rs. 1,330 crore. The project is implemented with the facility of Direct Funds Transfer to the accounts of beneficiary institutes. The project started in the current year and will be coterminous with Fourteenth Finance Commission (FFC) in 2020.

The major outcomes of the project are:

- (i) Better academic standards, through accreditation, filling up faculty positions, training faculty in better teaching methods, improved research outputs in institution in Focus States/UTs.
- (ii) Better administration of the institutions with improved financial/academic autonomy.
- (iii) Better systems for assessment of Student Learning, higher transition rates.
- (iv) Transparent and expeditious release of funds to institutes by way of Direct Funds Transfer (DFT) System.

About 200 Government / Government aided engineering institutes and Affiliating Technical Universities (ATUs) including the Centrally Funded Technical Institutions (CFTIs) are selected in the project.

The project will cover all Government / Government aided engineering institutes, ATUs and CFTIs from Focus States. The Focus States are 7 Low Income States (Bihar, Chhattisgarh, Jharkhand, Madhya Pradesh, Rajasthan and Uttar Pradesh), 3 Hill States (Himachal Pradesh, Jammu & Kashmir and Uttarakhand), 8 North-Eastern States (Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura) and Union Territory of Andaman and Nicobar Islands.

The Project will support two components:

Component - 1: Improving quality and equity in engineering institutions in focus states

Sub-component 1.1: Institutional Development for Participating Institutions

Sub-component 1.2: Widening Impact through ATUs in focus states

Sub-component 1.3: Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutions and ATUs

Component-2: System Level initiatives to strengthen sector governance and performance

This component will support MHRD and key apex bodies in engineering education, including AICTE and NBA, to strengthen the overall system of engineering education.

About Sub-component 1.3: Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutions and ATUs

Institutions /ATUs will be selected on a competitive basis through Challenge Method. Selection will proceed in 3 stages. At the first stage, Eligibility criteria will be used to shortlist the TEQIP-I/TEQIP-II institutes/ Universities followed by ranking on the basis of their performance assessment. Top rankers from stage-1 will be invited to submit Institution Development Proposals (IDPs) in stage-2. The institutions will proceed to stage 3 for final selection. The proposal should include establishing a mentoring system for twinning arrangements to build the capacity and improvement in performance of institution/ATUs participating under sub-component 1.1/1.2 respectively.

Institutions are required to define the activities in their IDP that they want to carry out in the project. These activities should be under the scope of the project and are those that fulfil the objectives of the project. However, some of the suggested activities under the scope of the project are given below:

- Procurement of Goods (equipment, furniture, books LRs, software and minor items) and minor civil works
- Improvement in Teaching, Learning and Research competence
 - Improve student learning
 - Student employability
 - Increasing faculty productivity and motivation
 - Establishing a twinning system
 - Twinning arrangements with institutions under Sub-component 1.1 to build capacity and improved performance
 - Individual Institutional mentors

About Visvesvaraya Technological University

Visvesvaraya Technological University (VTU) is one of the largest Technological Universities in India with 20 years of tradition of excellence in Engineering & Technical Education, Research, and Innovations. It came into existence in the year 1998 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. University has successfully achieved the tremendous task of bringing various colleges affiliated earlier to different universities, with different syllabi, different procedures and different traditions under one umbrella. It has four regional centers across the State of Karnataka in Belagavi, Bengaluru, Kalaburagi, and Mysuru.

University is comprised of multi-disciplinary and multi-level institutions offering wide range of programmes in engineering, technology, and Management. The University is making steady progress in developing and providing best conducive environment for technical education and will continue to serve the nation in coming years. VTU is the first university in the country to take innovative steps in the examination reforms by adopting ICT technologies including indigenous Digital Evaluation System software. VTU has established the various Centers of Excellence in Karnataka to create world class infrastructure that can be shared by researchers, innovators and industry people.

About Aryabhata Knowledge University

Aryabhata Knowledge University (AKU), Patna has been established by Government of Bihar for the development and management of educational infrastructure related to technical, medical, management and allied professional education in the state. The objective of the university is to promote the professional education infrastructure to meet the national standard through well advanced course, infrastructure and quality faculty. Colleges and institutions imparting professional education such as Engineering and Technology including information Technology, Nano technology & Biotechnology, Management, Medicine, Health technology, Public Health Pharmacy, Optometry, Nursing, Education, Law etc. are affiliated with Aryabhata Knowledge University.

As a Mentor institute, Visvesvaraya Technological University conducted following events with mentee institute Aryabhata Knowledge University under twinning activities

List of events conducted

1. Induction Training Program for Faculty Members
2. Training on Best Practices in Academic Leadership, Administration and Good Governance
3. One day work shop on Nano Engineering Science and Research Advances (NESARA)
4. One day work shop on Teaching, Learning and Research Practices in Computer Science & Engineering
5. One day work shop on Teaching, Learning and Research Practices in Electronics Engineering
6. One day work shop on Teaching, Learning and Research Practices in Mechanical Engineering
7. One day work shop on Teaching, Learning and Research Practices in Civil Engineering
8. Career Counselling and Placement Training and Industry Expectations from Young Engineers
9. One day visit to Gaya College of Engineering
10. Joint Workshop of students and faculties VTU and AKU
11. One day International Conference on Nano Engineering Science and Research Advances (NESARA - 2019)
12. Three days workshop on Nanotechnology: Opportunities and Challenges

Induction Training Program for Faculty Members

PROGRAM SCHEDULE

Date: 26-08-2019

Venue: A N Sinha Institute of Social Studies (ANSISS), Patna

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration <ul style="list-style-type: none"> □ Welcome of Dignitaries □ Lighting of Lamp □ Welcome address by Project Officer, TEQIP, AKU □ Address by Registrar, AKU, Patna □ Address by Pro Vice-Chancellor, AKU, Patna □ Address by Hon'ble Vice-Chancellor, AKU, Patna □ Address by TEQIP Coordinator, VTU, AKU, Patna
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 11.45 AM	Talk – 1 Title: Introduction to Induction Programme Dr. Dinesh Rangappa Professor and Programme Coordinator, Department of Nanotechnology, Visvesvaraya Technological University
11.45 AM – 12.30 PM	Talk – 2 Title: Show the Direction to reach the Destination Dr. Binoy Mathew Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka
12.30 PM – 01.15 PM	Talk – 3 Title: Universal human values in Indian University Education Dr. Thippeswamy Professor and Programme Coordinator, Department of Computer Science, Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.45 PM	Talk – 4 Title: Designing of Assessment RUBRICS Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University
02.45 PM – 03.30 PM	Talk – 5 Title: Promotion of Students Centric Teaching and learning approaches Dr. Basavaraj Gadgay Professor and Programme Coordinator, Department of Electronics & Communication, Visvesvaraya Technological University
03.30 PM – 04.15 PM	Talk – 6 Title: Micro Teaching (Building Interpersonal Skills) Dr. Shivamurthy Associate Professor & Program Co-ordinator, Department of Computer Science & Engineering (MCA & AIML), Visvesvaraya Technological University
04.15 PM – 04.45 PM	Vote of Thanks

Program Coordinators: Dr. Deepankar Shree Gyan, Twinning Coordinator, AKU, Patna & Dr. Dinesh Rangappa, Twinning Coordinator, VTU, Belagavi

Induction Training Programme for Faculty Members was conducted on 26th August, 2019 at A N Sinha Institute of Social Studies (ANSISS), Patna. The registration of the participants for the event was completed by 10 AM. The session started after a tea break from 11.00 AM to 11.15 AM.

The 1st talk delivered by the Speaker, Dr Dinesh Rangappa, Professor and Program Coordinator, Department of Nanotechnology, Visvesvaraya Technological University, introduced the induction programme by providing an overview and importance induction programme from 11.15 AM to 11.45 AM.

The session progressed with a 2nd talk by Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka. His talk was focussed on showing the direction to students in achieve their objectives from 11.45 AM – 12.30 PM.

The 3rd was delivered by Dr. Thippeswamy, Professor and Programme Coordinator, Department of Computer Science, Visvesvaraya Technological University. His talk stressed the importance of Universal human values in Indian University Education.

The session broke to lunch at 01.15 PM – 02.00 PM. Later the session resumed by 02.00 PM by Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University. His talk emphasised the Designing of Assessment RUBRICS. The next speaker Dr. Basavaraj Gadgay, Professor and Programme Coordinator, Department of Electronics & Communication, Visvesvaraya Technological University spoke about the Promotion of Students Centric Teaching and learning approaches.

Lastly, Dr. Shivamurthy Associate Professor & Program Co-ordinator, Department of Computer Science & Engineering (MCA & AIML), Visvesvaraya Technological University delivered the 6th talk of the day about the importance of Micro Teaching (Building Interpersonal Skills) from 03.30 PM – 04.15 PM. The programme ended with a vote of thanks from 04.15 PM – 04.45 PM.



Inauguration by Dignitaries from AKU and VTU



Group Photo of students and Staff from AKU & VTU



Students and Faculty from different colleges of AKU of Patna, Bihar*77



TEQIP III Co-ordinator of VTU Prof. Santhosh Deshpande addressing the gathering.



TEQIP III Coordinator Prof. Santhosh Deshpande and TEQIP Twinning activities Coordinator Prof. Dinesh Rangappa and other faculties from VTU interacting with Pro VC Prof. Dr. Kareem, AKU, Patna.





Talk delivered by the Speaker, Dr Dinesh Rangappa, Professor and Program Coordinator, Department of Nanotechnology, Visvesvaraya Technological University, introduced the induction programme by providing an overview and importance induction programme.



Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka. His talk was focussed on showing the direction to students in achieve their objectives.



Dr. Thippeswamy, Professor and Programme Coordinator, Department of Computer Science, Visvesvaraya Technological University. His talk stressed the importance of Universal human values in Indian University Education.



Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University. His talk emphasised the Designing of Assessment RUBRICS.



Dr. Shivamurthy Associate Professor & Program Coordinator, Department of Computer Science & Engineering (MCA & AIML), Visvesvaraya Technological University delivered the 6th talk of the day about the importance of Micro Teaching (Building Interpersonal Skills).



Dr. Basavaraj Gadgay, Professor and Programme Coordinator, Department of Electronics & Communication, Visvesvaraya Technological University spoke about the Promotion of Students Centric Teaching and learning approaches.

Training on Best Practices in Academic Leadership, Administration and Good Governance

PROGRAM SCHEDULE

Date: 27-08-2019

Venue: Conference Hall, AKU, Patna

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University
12.15 PM – 01.15 PM	Talk – 2 Dr Mulla K R Librarian Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 03.00 PM	Talk – 3 Dr. Santhosh Deshpande Professor and TEQIP-III Coordinator, Visvesvaraya Technological University
03.00 PM – 04.00 PM	Talk – 4 Dr Shambu Lingappa Associate. Professor Department of MBA Visvesvaraya Technological University
04.00 PM – 04.30 PM	Valedictory

Program Coordinators: Twinning Coordinators, AKU, Patna & VTU, Belagavi

Training on Best Practices in Academic Leadership, Administration and Good Governance was conducted on 27-08-2019, at Conference Hall, AKU, Patna. The registration of the participants for the event was completed by 10 AM. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM.

The 1st talk delivered by the Speaker, Dr. Santhosh Deshpande, Professor and TEQIP-III Coordinator, Visvesvaraya Technological University, from 11.15 AM to 12.15 PM. The session progressed with a 2nd talk by Dr Mulla K R, Librarian, Visvesvaraya Technological University from 12.15 AM to 1.15 PM. The session broke to lunch at 01.15 PM – 02.00 PM. The session resumed at 02.00 PM from Dr. Santhosh Deshpande. The 4th talk was delivered Dr Shambu Lingappa, Associate. Professor, Department of MBA from 03.00 PM – 04.00 PM. The workshop ended with a vote of thanks from 04.15 PM – 04.30 PM.

One-day work shop on Nano Engineering Science and Research Advances (NESARA)

PROGRAM SCHEDULE

Date:27-08-2019

Venue: CNN, AKU, Patna

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr. Dinesh Rangappa Professor and Program Coordinator Department of Nanotechnology Visvesvaraya Technological University
12.15 PM – 12.45 PM	Talk – 2 Dr. Prasanna D Shivaramu Assistant Professor Department of Nanotechnology Visvesvaraya Technological University
12.45 PM – 01.15 PM	Talk – 3 Dr. S. V. Lokesh Assistant Professor Department of Nanotechnology Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 4 Dr. Rakesh Kumar Singh, Assistant Professor-cum-Academic (I/c), ACNN, AKU, Patna
02.30 PM – 03.00 PM	Talk – 5 Faculty from CNN, AKU
03.00 PM – 04.00 PM	Student Presentations and Group Discussion
04.00 PM – 04.30 PM	Valedictory

Program Coordinators:

Dr. Rakesh Kumar Singh, Assistant Professor-cum-Academic (I/c), ACNN, AKU, Patna

Dr. Anal Kant Jha, Assistant Professor-cum-Administrative (I/c), ACNN, AKU, Patna

One day workshop on Nano Engineering Science and Research Advances (NESARA) on 27-08-2019, at CNN, AKU, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered by the Dr. Dinesh Rangappa, Professor and Program Coordinator, Department of Nanotechnology. Visvesvaraya Technological University, from 11.15 AM to 12.15 PM. Prof. Rangappa explained the importance of 2D hetero-structure nanostructure and their application.

The session progressed with a 2nd talk by Dr. Prasanna D Shivaramu, Assistant Professor, Department of Nanotechnology Visvesvaraya Technological University from 12.15 PM – 12.45 PM. Dr. Prasanna presented on Nanocatalyst and their importance in environmental application and medicinal chemistry. The 3rd talk was delivered by Dr. S. V. Lokesh, Assistant Professor, Department of Nanotechnology, Visvesvaraya Technological University. He presented modified carbon electrodes and their application. The session broke to lunch at 01.15 PM – 02.00 PM. The session resumed at 02.00 PM by Dr. Rakesh Kumar Singh, Assistant Professor-cum-Academic (I/c), ACNN, AKU, Patna. The group discussions between the students' presentations and faculty discussions along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one day symposium ended with a valedictory function from 04.00 PM – 04.30 PM.



Dr. Dinesh Rangappa delivering technical talk



Dr. Prasanna D Shivaramu delivering technical talk



Dr. S. V. Lokesh delivering technical talk



Mr. Murthy, Research Scholar, VTU presenting his research work



Ms. Chirabhanu C P, Research Scholar, VTU presenting her research work



Group photo after workshop

One-day work shop on Teaching, Learning and Research Practices in Computer Science & Engineering

PROGRAM SCHEDULE

Date:27-08-2019

**Venue: Department of Computer Science & Engineering, Maullana Azad
College of Engineering and Technology, Patna**

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.00 Noon	Talk – 1 Dr K Thippeswamy Professor and Program Coordinator Department of Computer Science Visvesvaraya Technological University
12.00 Noon – 12.45 PM	Talk – 2 Dr G. Shivamurthy Associate Professor and Program Coordinator Department of Computer Science Visvesvaraya Technological University
12.45 PM – 01.15 PM	Talk – 3 Dr Shubhangini Patil Professor Department of Computer Science Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 4 Dr Vivekananda Reddy Assistant Professor Department of Computer Science Visvesvaraya Technological University
02.30 PM – 03.00 PM	Talk – 5 Faculty from Department of Computer Science & Engineering, Maullana Azad College of Engineering and Technology, Patna
03.00 PM – 04.00 PM	Student Presentation and Group Discussion
04.00 PM – 04.30 PM	Valedictory

**Program Coordinators: HOD, Department of Computer Science & Engineering,
Maullana Azad College of Engineering and Technology, Patna**

One-day work shop on Teaching, Learning and Research Practices in Computer Science & Engineering was conducted on 27-08-2019, at Department of Computer Science & Engineering, Maullana Azad College of Engineering and Technology, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered by the Dr K Thippeswamy, Professor and Program Coordinator, Department of Computer Science, Visvesvaraya Technological University from 11.15

AM to 12.00 PM. The session progressed with a 2nd talk by Dr G. Shivamurthy, Associate Professor and Program Coordinator, Department of Computer Science, Visvesvaraya Technological University from 12.00 PM – 12.45 PM. 3rd talk was delivered by Dr Shubhangini Patil, Professor, Department of Computer Science, Visvesvaraya Technological University. The session broke to lunch at 01.15 PM – 02.00 PM. The session resumed at 02.00 PM by Dr Vivekananda Reddy, Assistant Professor, Department of Computer Science, Visvesvaraya Technological University. The group discussions between the students' presentations and faculty discussion along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one-day workshop ended with a valedictory function from 04.00 PM – 04.30 PM.



Photographs taken during workshop

One-day work shop on Teaching, Learning and Research Practices in Electronics Engineering

PROGRAM SCHEDULE

Date:27-08-2019

**Venue: Department of Electronics Engineering, Maullana Azad College of
Engineering and Technology, Patna**

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr Basavaraj G Professor and Program Coordinator Department of Electronics Visvesvaraya Technological University
12.15 PM – 01.15 PM	Talk – 2 Dr Sarika Raga Associate Professor and Program Coordinator Department of Electronics Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 3 Faculty from Department of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna
02.30 PM – 03.00 PM	Talk – 4 Faculty from Department of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna
03.00 PM – 04.00 PM	Student Presentation and Group Discussion
04.00 PM – 04.30 PM	Valedictory

**Program Coordinators: Department of Electronics Engineering, Maullana Azad
College of Engineering and Technology, Patna**

One-day work shop on Teaching, Learning and Research Practices in Electronics Engineering was conducted on 27-08-2019, at Department of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered by Dr Basavaraj G, Professor and Program Coordinator, Department of Electronics, Visvesvaraya Technological University from 11.15 AM to 12.15 PM. The session progressed with a 2nd talk by Dr Sarika Raga,

Associate Professor and Program Coordinator, Department of Electronics, Visvesvaraya Technological University from 12.15 PM – 1.15 PM. The session broke to lunch at 01.15 PM – 02.00 PM. The next 2 sessions resumed at 02.00 PM by a faculties of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna The group discussions between the students' presentations and faculty discussion along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one-day workshop ended with a valedictory function from 04.00 PM – 04.30 PM.

One-day work shop on Teaching, Learning and Research Practices in Mechanical Engineering

PROGRAM SCHEDULE

Date:27-08-2019

**Venue: Department of Mechanical Engineering, Maullana Azad College of
Engineering and Technology, Patna**

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr Babu Reddy Associate Professor Department of Mechanical Engineering Visvesvaraya Technological University
12.15 PM – 12.45 PM	Talk – 2 Vinod Kumar M S Assistant Professor Department of Mechanical Engineering Visvesvaraya Technological University
12.45 PM – 01.15 PM	Talk – 3 Faculty from Department of Mechanical Engineering, Maullana Azad College of Engineering and Technology, Patna
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 4 Faculty from Department of Mechanical Engineering, Maullana Azad College of Engineering and Technology, Patna
02.30 PM – 03.00 PM	Talk – 5 Faculty from Department of Mechanical Engineering, Maullana Azad College of Engineering and Technology, Patna
03.00 PM – 04.00 PM	Student Presentation and Group Discussion
04.00 PM – 04.30 PM	Valedictory

**Program Coordinators: HOD, Department of Mechanical Engineering,
Maullana Azad College of Engineering and Technology, Patna**

One-day work shop on Teaching, Learning and Research Practices in Mechanical Engineering was conducted on 27-08-2019, at Department of Mechanical Engineering, Maullana Azad College of Engineering and Technology, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break

was given from 11.00 AM to 11.15 AM. The 1st talk delivered Dr Babu Reddy, Associate Professor, Department of Mechanical Engineering, Visvesvaraya Technological University from 11.15 AM to 12.15 PM. The session progressed with a 2nd talk by Vinod Kumar M S, Assistant Professor, Department of Mechanical Engineering, Visvesvaraya Technological University 12.15 PM – 12.45 PM. On the day 3 talks were delivered by a faculties of Electronics Engineering, Maullana Azad College of Engineering and Technology, Patna The group discussions between the students' presentations and faculty discussion along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one-day workshop ended with a valedictory function from 04.00 PM – 04.30 PM.



Group Photograph taken after workshop

One-day work shop on Teaching, Learning and Research Practices in Civil Engineering

PROGRAM SCHEDULE

Date:27-08-2019

Venue: Department of Civil Engineering, NSIT, Patna

Time	Event
09.00 AM – 10.00 AM	Registration
10.00 AM – 11.00 AM	Inauguration
11.00 AM – 11.15 AM	Tea Break
11.15 AM – 12.15 PM	Talk – 1 Dr Venkata Ramana Professor Department of Civil Engineering Visvesvaraya Technological University
12.15 PM – 12.45 PM	Talk – 2 Rohan S Gurav Assistant Professor Department of Water and Land Management Visvesvaraya Technological University
12.45 PM – 01.15 PM	Talk – 3 Srinivasa M B Assistant Professor Department of Civil Engineering Visvesvaraya Technological University
01.15 PM – 02.00 PM	Lunch Break
02.00 PM – 02.30 PM	Talk – 4 Faculty from Department of Civil Engineering, NSIT, Patna
02.30 PM – 03.00 PM	Talk – 5 Faculty from Department of Civil Engineering, NSIT, Patna
03.00 PM – 04.00 PM	Student Presentation and Group Discussion
04.00 PM – 04.30 PM	Valedictory

Program Coordinators: HOD, Department of Civil Engineering, NSIT, Patna

One-day work shop on Teaching, Learning and Research Practices in Civil Engineering on 27-08-2019, at Department of Civil Engineering, NSIT, Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered Dr Venkata Ramana Professor, Department of Civil Engineering, Visvesvaraya Technological University from 11.15 AM to 12.15 PM. The session progressed with a 2nd talk by Rohan S Gurav, Assistant Professor, Department of Water and Land Management, Visvesvaraya Technological University 12.15

PM – 12.45 PM. The 3rd talk was delivered Srinivasa M B, Assistant Professor, Department of Civil Engineering, Visvesvaraya Technological University. Further 2 more talks were delivered by faculties from Department of Civil Engineering, NSIT, Patna from 02.00 PM to 03.00 PM. The group discussions between the students' presentations and faculty discussion along with students was organised to have a better sharing of knowledge ad ideas from 03.00 PM – 04.00 PM. The one-day workshop ended with a valedictory function from 04.00 PM – 04.30 PM.



Group photograph after workshop

Career Counselling and Placement Training and Industry Expectations from Young Engineers

PROGRAM SCHEDULE

Date:27-08-2019

Venue: Maullana Azad College of Engineering and Technology, Patna

Time	Speaker
10.00 AM – 1.00 AM	Dr. Binoy Mathew Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka

Program Coordinators: Placement Officer, Maullana Azad College of Engineering and Technology, Patna

Work shop on Career Counselling and Placement Training and Industry Expectations from Young Engineers Engineering on 27-08-2019, Maullana Azad College of Engineering and Technology, Patna. Talk delivered Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka from 10.00 AM – 01.00 PM.

Venue: Netaji Subhash Institute of Technology, Patna

Time	Speaker
02.00 PM – 05.00 PM	Dr. Binoy Mathew Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka

Work shop on Career Counselling and Placement Training and Industry Expectations from Young Engineers Engineering on 27-08-2019, **Netaji Subhash Institute of Technology, Patna.** Talk delivered Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka from 02.00 – 05.00PM

Visit to Gaya College of Engineering, Gaya

PROGRAM SCHEDULE

Date:28-08-2019

Venue: Gaya College of Engineering, Gaya.



Photographs taken during visit of faculty members and students of VTU to Gaya College of Engineering

The faculty and students from VTU PG Center visited Gaya College Engineering and discussed with faculty and students of the college. The principle of the GCE, Gaya, appreciated the time spent by VTU and AKU team and requested to organize more such visits to college.

Joint Workshop of VTU-AKU Students and Faculties

PROGRAM SCHEDULE

Date: **29-08-2019**

Venue: **A N Sinha Institute of Social Studies (ANSISS), Patna**

Program Coordinators: Twinning Coordinators, AKU, Patna & VTU, Belagavi

One-day work shop on Training on employability skill Joint Workshop of VTU-AKU Students and Faculties on 29-08-2019, at A N Sinha Institute of Social Studies (ANSISS), Patna. The registration of the participants for the event was completed by 10 Am. After the inauguration session a tea break was given from 11.00 AM to 11.15 AM. The 1st talk delivered Mr. Anand Kumar, Mathematician of Super 30 fame. The session progressed with talk by Dr. Binoy Mathew, Director, Centralized Placement Cell, Visvesvaraya Technological University, Belagavi, Karnataka and Dr. Dinesh Rangappa.

The event ended with valedictory function.



Address by Mr. Anand Kumar, Mathematician of Super 30 fame in the Inaugural Function



Faculties from VTU Felicitated in the event

SPONSORED ONE DAY INTERNATIONAL CONFERENCE ON

NANO ENGINEERING SCIENCE AND RESEARCH ADVANCES (NESARA - 2019)**09-09-2019**

Organised by

DEPARTMENT OF NANOTECHNOLOGY
VISVESVARAYA TECHNOLOGICAL UNIVERSITY

In Association with

ARYABHATTA KNOWLEDGE
UNIVERSITY
PATNA, BIHARBIJU PATNAIK UNIVERSITY OF TECHNOLOGY
BHUVANESHWAR, ODISHA

In Collaboration with

TOHOKU UNIVERSITY
JAPAN**PROGRAM SCHEDULE**

Venue: Seminar Hal, VTU PG Center, Muddenahalli

Time	Event
09.00 - 10.00	Registration/Poster Presentation
10.00 - 10.45	Inauguration
10.45 - 11.30	Key Note Address <i>Development of heterocyclic molecules for cancer therapy and nano catalysts for their synthesis</i> Dr. K. S. Rangappa General President, Indian Science Congress Association Distinguished Professor and Former Vice Chancellor, University of Mysore, Mysore
11.30 - 12.00	TEA BREAK / POSTER SESSION
12.00 - 12.30	Invited Talk – 1 <i>Size-/Morphology-controlled Nanomaterials Synthesis via Supercritical Fluid Processes</i> Dr. Takaaki Tomai Tohoku University, Japan
12.30 - 13.00	Invited Talk – 2 <i>Science and technology of mechanistically enhancing non-linear optical absorption in carbonaceous nanomaterials for laser safety</i> Dr. Balaram Sahoo Indian Institute of Science (IISc), Bengaluru
13.00 - 14.00	LUNCH BREAK / POSTER SESSION
14.00 - 14.30	Invited Talk – 3 <i>Environmentally benign hydrometallurgical process to recover Co and Li from spent Li-ion batteries</i> Dr. J. Manjanna Rani Chennamma University, Belagavi
14.30 - 15.00	Invited Talk – 4 <i>Mechanistic study of supercritical hydrothermal synthesis: Kinetics of nickel oxide formation toward process design</i> Dr. Akira Yoko Tohoku University, Japan
15.00 - 15.30	TEA BREAK / POSTER SESSION
15.30 - 16.00	Invited Talk – 5 <i>Metal-Modified Covalent Triazine Frameworks: Electrocatalysts for the Reduction of Carbon Dioxide to Carbon Monoxide</i> Dr. Kazuyuki Iwase Tohoku University, Japan
16.00 - 16.30	Invited Talk – 6 <i>Indian based Traditional Ayurvedic medicine (Bhasma) as Nanomaterials and Ancient Indian Wisdom</i> Dr. Rakesh K Singh Aryabhata Knowledge University, Patna
16.30 - 17.00	Concluding Remarks

One-day International Conference on Nano Engineering Science and Research Advances (NESARA-2019) was organized on 09th September 2019 by Department of Nanotechnology, Visvesvaraya Technological University, Muddenahalli in association with Aryabhata Knowledge University, Patna, Bihar and Biju Patnaik University Technology, Bhubaneswar, Odisha in collaboration with Tohoku University, Japan.

Chief Guest Professor K. S. Rangappa, General President, Indian Science Congress Association, Distinguished Professor and Former Vice Chancellor, University of Mysore inaugurated the conference.

Guest of Honour Professor Takaaki Tomai and the conference Organising Chair Dr Dinesh Rangappa, Centre Coordinator Dr. N. Chikkanna and Conference conveners Dr. Prasanna D. Shivaramu and Dr. S.V. Lokesh were present.

Prof. K. S. Rangappa delivered inaugural key note address on importance of nanotechnology in the field of biomedical field and cancer therapy. Prof. Rangappa appreciated VTU for creating International Level Research Centre – Visvesvaraya Centre for Nanoscience and Technology and Department of Nanotechnology at VTU Muddenahalli Campus. Prof. Rangappa Urged the Government and Universities to support the such kind of research activities in the educational institutions and call all the students and researchers to make use of the State of the Art Research Facility created by VTU at Muddenahalli and contribute to address the social needs in the area of Health, Energy, Environment and Engineering fields.

Prof. Takaaki Tomai, who is from Tohoku University Japan, in his speech, mentioned that Tohoku University and Department of Nanotechnology VTU are engaged in developing Next Generation Battery technology based on Na and Mg ions, with Prof. Dinesh Rangappa and Prof. Tomai leading the research project from the respective side under DST-JSPS sponsored Project.

Dr. Balaram Sahoo from Indian Institute of Science Bengaluru, Dr. Rakesh Singh, from Aryabhata knowledge University, Dr. J. Manjanna from Rani Chennamma University, Dr. Akira Yoko and Kazuyuki Iwase from Tohoku University Japan presented their research finding.

Mrs. Navya Rani M done the master of ceremony, Mrs. Sindh Sree M. Sung Invocation Song, Dr. Prasanna Welcomed the gathering and Dr. S. V. Lokesh placed on record Vote of Thanks.



Professor K. S. Rangappa, General President, Indian Science Congress Association, Distinguished Professor and Former Vice Chancellor, University of Mysore inaugurating the Conference



Photos taken during Inauguration of NESARA-2019



Invited Talk by speakers during the conference



Speakers of the Conference felicitated in the Valedictory Function



Group photo after the Conference

SPONSORED WORKSHOP ON NANOTECHNOLOGY : CHALLENGES AND OPPORTUNITIES

10-12 SEPTEMBER 2019

Organised by


**DEPARTMENT OF NANOTECHNOLOGY
VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

In Association with


**ARYABHATTA KNOWLEDGE
UNIVERSITY
PATNA, ORISSA**

**BIJU PATNAIK UNIVERSITY OF TECHNOLOGY
BHUVANESHWAR, ODISHA**

PROGRAM SCHEDULE

Time	Event
DAY 1: 10-09-2019	
Venue: Seminar Hal, VTU PG Centre, Muddenahalli	
10.00 AM – 11.00 AM	Technical Talk Dr. Dinesh Rangappa Professor and Program Coordinator Department of Nanotechnology Visvesvaraya Technological University
11.00 AM – 11.30 AM	Technical Talk Dr. Prasanna D Shivaramu Department of Nanotechnology Visvesvaraya Technological University
11.30 AM – 12.00 AM	Tea Break
12.00 PM – 12.30 PM	Technical Talk Dr. Lokesh S V Department of Nanotechnology Visvesvaraya Technological University
12.30 PM – 01.00 PM	Technical Talk Dr. Rakesh K Singh Aryabhatta Centre for Nanoscience & Technology Aryabhatta Knowledge University, Patna
01.00 PM – 02.00 PM	Lunch Break
02.00 PM – 03.30 PM	Presentation by students of VTU and AKU
03-30 PM – 04-00 PM	Tea Break / Poster Session
04.00 PM – 05.00 PM	Panel Discussion
DAY 2: 11-09-2019	
10.00 AM – 04.00 PM	Visit to National Facility at CeNSE, IISc, Bangalore
DAY 3: 12-09-2019	
10.00 AM – 04.00 PM	Visit to Lab Facility at Dept. of Nanotechnology, VTU and discussion

3 Days workshop on Nanotechnology: Challenges and Opportunities

Department of Nanotechnology VTU PG Centre Muddenahalli, conducted 3 Days workshop on Nanotechnology: Challenges and Opportunities during 10-12, September 2019 in association with Aryabhata Knowledge University, Patna, Bihar and Biju Patnaik University Technology, Bhubaneswar, Odisha under TEQIP III sponsorship. Resource persons Dr. Dinesh Rangappa, Professor, Dr. Prasanna D. Shivaramu, Assistant Professor and Dr. S.V. Lokesh, Assistant Professor Department of Nanotechnology VTU PG Centre Muddenahalli and Dr. Rakesh K. Singh, from Aryabhata Knowledge University, Patna, Bihar were present in the inauguration.

The workshop included 4 invited talks by faculty of VTU and AKU Nanotechnology Department along with presentation by M.Tech and Ph.D students of the respective Universities. The Second Day A visit was organised to National Facility in Nanotechnology at Centre for Nanoscience and Engineering (CeNSE, IISc. Bangalore). Students were given Demonstration on the facilities at CeNSE.





Photographs taken during workshop

Final day group discussion, Experts Panel discussion, seminars and lab visit was organised at Department of Nanotechnology. All the students from both the university were engaged in discussion in presence of faculty and research scholars who facilitated the group discussion on challenges and opportunities in Nanotechnology. Panel discussion was organised with experts where, students and scholars engaged in the discussion and interacted with faculties.

Feedback from the Participants



Three Days Workshop on Nanotechnology: Challenges & Opportunities – 2019

Sep 10-12, 2019

Department of Nanotechnology, VTU PG Center

Muddenahalli, Chikkaballapur

DELEGATE FEEDBACK FORM

Name of the Organization: ACNN AKU, PATNA

Name of the Delegate: SHASHANK BHAUSHAN DAS

Designation: M.Tech (NS & NT) (Student)

Contact No: 9773343670 Email id: shashank.acist@gmail.com

1. How do you rate the quality of content in the Workshop?

Quality of workshop was very nice and lessonful.

2. Any topics you would like to have in the upcoming Workshop?

Nanotechnology in Energy and Environment.

3. How do you rate the Hospitality?

It was awesome, all people were kind hearted.

4. Your valuable comments & suggestions

I would like share my valuable comment that I experienced very amazing lessonful lesson. Hope I will again participate in these types of programs.

THANK YOU!!



Three Days Workshop on Nanotechnology: Challenges & Opportunities – 2019

Sep 10-12, 2019

Department of Nanotechnology, VTU PG Center

Muddenahalli, Chikkaballapur

DELEGATE FEEDBACK FORM

Name of the Organization: ACNN, AKU, Patna

Name of the Delegate: Ashutosh Kumar

Designation: M-Tech Scholar

Contact No: 721079242 Email id: ashutipune@gmail.com

1. How do you rate the quality of content in the Workshop?

Excellent, very informative and two way interaction on day 2 was very useful. We came to know about different

2. Any topics you would like to have in the upcoming Workshop? works going in nanotechnology,

I would like to suggest nanotechnology and management i.e. how you can become entrepreneur in this field.

3. How do you rate the Hospitality?

Amazing hospitality, nice food, everyone supported us every time - especially Pawan sir, Resal sir, Chetan sir they gave their full efforts in accompanying us every where.

4. Your valuable comments & suggestions

I would like to thank each & every student of ~~each~~ the Curlec Lab visit was very well organised and well explained by Mahesh sir, Chitra ^{mani} mam, and others..

kindly organise some more conferences so that we can get more & more exposure in different fields. All students are very dedicated. We learnt a lot from you.

THANK YOU!!!

Thanks

Ashutosh Kumar



DELEGATE FEEDBACK FORM

Name of the Organization: Arjabhata Knowledge University

Name of the Delegate: Archana Kumari

Designation: M. Tech.

Contact No: 8709157214 Email id: archie5111993@gmail.com

1. How do you rate the quality of content in the Workshop?

The quality of Workshop was very good.

2. Any topics you would like to have in the upcoming Workshop?

Broadening the scope of Nanotechnology.

3. How do you rate the Hospitality?

Excellent

4. Your valuable comments & suggestions

All things was just perfect, we would like to attend these kind of workshop in future also.

THANK YOU!!