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VISION

To bring out a nationwide movement that meets the changing dynamics of the population's requirement with regards to quality education, innovation and research to make India a knowledge superpower.

MISSION

To foster an ecosystem of creativity, ingenuity & industrious attitude for young minds

&

To ensure that the technical graduates are industry ready with knowledge, skills & global competence.

CONGRATULATORY MESSAGE

Congratulations to all institutes who have conducted 'Induction Program' for students of institutes, especially GCE Karad with accomplished implementation.



Smart India Hackathon 2018

Hon'ble Prime Minister, Shri Narendra Modi, envisages a Digital India to bridge the digital divide in our country and further promote digital literacy in order to make development a comprehensive mass movement and put governance within everyone's reach in India. For achieving PM's vision, MHRD, All India Council for Technical Education (AICTE), Inter Institutional Inclusive Innovation Center (i4C), and Persistent Systems are organizing Smart India Hackathon 2018 – 2nd Edition, to identify new and disruptive digital technology innovations for solving the challenges faced by our country and leading to "Unnat Bharat". Through this initiative, govt. departments will directly engage with thousands of technical students and challenge them to build digital solutions to improve their efficiency, plug revenue leakages and corruption.

"The country involved in innovative research will be the one getting ahead in competition. Our nation won't be able to develop without this innovative research. Hackathon competitions will give positive nudge to scientific behaviour in students and will act as strong force of development for India. We are aiming for One lakh students to participate in this year's Smart India Hackathon. This

hackathon competition is not just for prizes but a motivation for promoting innovative research among engineers. These engineers will get practical experience through this competition" said Hon'ble HRM Shri Prakash Javadekar during inauguration ceremony of 'Smart India Hackathon 2018' competition at College of Engineering, Pune on 16th October, 2017. Smart India Hackathon is non-stop digital product development competition, where problems are posed to technology students for innovative solutions. 'Smart India Hackathon 2018' event was attended by MHRD Additional Secretary Mr. R. Subrahmanyam, AICTE Chairman Dr. Anil Sahasrabudhe and I4C president Mr. Kishor Jamkar among other dignitaries.



Hon'ble Shri Prakash Javadekar inaugurating
Smart India Hackathon 2018

Mr. R Subramanyam, AS (TE) said, "India lacks in

innovative and unconventional research the root of which lies in Education System. We have accepted grading and marks system for judgement instead of innovation. Hackathon will try help change this scenario". Prof. Sahasrabudhe said, "Students will get opportunities to find solutions on societal, governance and other problems through this National level competition and appealed all technical students in the country to participate"

Highlights



Time Bound
Performance & outcome
based project rather
than expenditure based

Setting up of 'Tinkering
Labs' in TEQIP III
institutes

Participation in 'NIRF'
mandatory for TEQIP
III institutes

Faculty recharge &
Major Boost

Mandatory participation
in SLA survey by
Stanford University

It is my pleasure to interact with our partner institutes through 2nd issue of TEQIP Newsletter. Last three months have seen lot of activities happening. In fact, TEQIP, as needed, is moving with such a faster pace that the institutions are receiving lot many mails containing instructions from NPIU. I appreciate punctual response of institutions, though it is needed in view of demands of the stakeholders.

We started this quarter with training of faculty mentors for conducting induction program of newly admitted students. I am also happy that few institutes have conducted such programs for students. The

students have also expressed satisfaction about the program in their feedback. However, this need to be implemented for first year students in all participating institutes during the forthcoming semester break. The affiliating technical universities (ATUs) have to take up this responsibility urgently for affiliated institutes in their university area on priority during the same period.

Government of India, recently launched Smart India Hackathon-2018 to identify new disruptive digital technology innovations for solving the challenges faced by the country, particularly social issues. It is expected that around 1.0 Lakh engineering students shall participate in the program, majority should be from TEQIP institutions. I am particularly enthused by setting up of Tinkering Labs under TEQIP in all participating institutions which will act as workplace where students can give shape to their innovative ideas. With encouragement, experimentation and prototyping, the engineering students are expected to take ownership of societal challenges and develop innovative cost-effective scalable solutions with wider applicability.

MHRD has recently launched NIRF ranking 2018 portal and last date of submission for registered institutions is 24th Nov 2017. Participation in NIRF is mandatory for TEQIP Institutions and is hoped that all institutions submit their application in time.

NPIU wanted to establish enabling mechanism so that the participating institutions are capable of applying for accreditation. Having realized an urgent need of faculty recharge, NPIU has started process of engagement of about 1300 Assistant Professors on contract basis for TEQIP III institutions in focus states under faculty reforms. This will ensure achievement of performance indicators with respect to employability, equity and excellence.

The Ministry of Human Resource Development (MHRD) has collaborated with Stanford University to assess the skill level of students in engineering colleges that are part of the TEQIP-III program. The assessment is part of a larger international program to assess the skill level of students in countries such as China, Russia, Korea and the US. The collaboration has provided TEQIP-III colleges a unique opportunity to become part of a prestigious international program. The results generated out of this survey will help making policy decisions with respect to curriculum, teaching and learning in technical education at institute, university and state level.

I hope this issue will inspire TEQIP III institutes to conduct Induction program for newly admitted students to integrate them into the institution and make them understand the systems and procedures followed.



Prof. (Dr.) P.M. Khodke

HON'BLE SECRETARY MESSAGE



**Shri. K.K.Sharma, Secretary,
Higher Education, MHRD**

Technical Education can meet the expanding demands of society. For increasing productivity and comfort to the human being the technological advancements, over the years have ensured replacement of manual operations through machines and devices. Though the technical education of the country has established its significant footprint throughout the globe, the large number of youth in North Eastern states, Hill states & low income states needs special attention for betterment of engineering education & research facilities.

TEQIP in its Third phase has been formalized by Ministry of Human Resource Development, Government of India with the intent of imparting quality knowledge to students and providing them access to world-class technology and learning resources. Government & Government aided institutions from these states will be pivotal in TEQIP III project with mentorship being provided by experienced & well-performing institutions of the country.

Employability, equity & research are the three important key aspects being addressed through TEQIP III with different interventions like guidance of IITs, Faculty Reforms, Formation of Industry Consultation Committee, establishing innovation cells, promoting digital learning, SwayamPrabha. Affiliated Technical Education are assigned principal role to pass similar benefits to students from unaided institutions in these states.

I congratulate NPIU team for coming up with quarterly newsletter under TEQIP III to share success stories of project implementation and extend my hearty wishes to achieve great success on deliberated targets.

DIRECTOR IIT BHU MESSAGE

Engineering colleges were established to train graduates well in the academic knowledge, to have a holistic outlook, and to have a desire to work for national needs and beyond. Institutions have to work closely with the newly joined students in making them feel comfortable, allow them to explore their academic interests and activities, remove competition and make them work for excellence, promote bonding amongst them, build relations between teachers and students. Induction Program is designed to achieve these goals.

The 3-week long Induction Program is designed with activities such as sports and games, learning an art form, human values classes through discussions, visits to monuments in local area, social service, doing one's own work including cleaning, interactions with senior students including clubs, visit their department to see the laboratories and workshops etc. I hope TEQIP III project institutions and students will benefit through this induction program.



Prof. Rajeev Sangal

Highlights

Technological advancement has increased the productivity and comfort for the human beings.

TEQIP project has been quality boost to engineering colleges in the country.

TEQIP-III will aim at increasing the employability, equity and research.

Highlights

Engineering colleges were established to provide a holistic outlook for national needs.

Increase in social sensitivity of students

Newly inducted students should feel comfortable with educational environment

Activities Under Induction Program

Physical Activity

Creative Arts

Universal Human Values

Literary

Proficiency Modules

Lectures by Eminent Personalities

Visit to Local Area

Expected Outcome

Social skills

Interpersonal and collaborative skills

Creativity

Communication and Confidence

Planning, leadership and goal setting skills

Health consciousness

INDUCTION PROGRAM

INTRODUCTION

Newly admitted student in any Technical institution, from day one thinks about his placement on one hand, but on the other hand he has concerns like Insecurity about one's future (jobs, livelihood), Unsure of his/ her own aspirations (low goals), Lack of relationships with teachers (generation gap), used to taking short cuts (dishonesty, cheating), Group conflicts in campus (leading to violence), Contradictions in society, disbeliefs about technical education etc.

The society, on the other hand, has lot of expectations that a graduating student must have knowledge of his area of study, have understanding of concepts and skills in his/her branch, Language skills, should be able to express oneself, should know about social, economic and political systems where one lives, should have good interpersonal skills to Live and work in family and at workplace, with harmony and possess good character.

Induction program plays a pivotal role in bridging the gap between expectation and reality. With diverse thoughts, backgrounds and preparations, it is important to help new first year students adjust to the new environment and inculcate in them the ethos of the institution with sense of larger purpose.

OBJECTIVES

To make students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large and nature.

GOALS

Assimilation in the ethos and culture of the institution; based on institutional practices

Exposure to a larger vision of life

Bonding Within the 1st year batch, and with teachers

Learning and nurturing creative skills in arts like painting, music, dance, sculpture, clay modelling

Regular lifestyle and professional discipline, good habits, getting acclimatized to new place

Overcoming weaknesses in some essential professional skills for example: English, mathematical and computational

INDUCTION SENSITIZATION WORKSHOP, DELHI



Sensitization Workshop at IHC, New Delhi

Induction Training workshop was arranged at Indian Habitat Centre, New Delhi on 24th August, 2017 by NPIU for Directors and Principals to sensitize the TEQIP institute functionaries. During the sensitization workshop, Prof. Rajeev Sanghal, Director IIT-BHU introduced participants about benefits of Induction Program for newly admitted students. An interesting interactive session was delivered by Mr. Ganesh Bagadiya from Manaviya Siksha Sanskar Sansthan (MSSS), Kanpur on Universal Human Values and basic Human Needs. To Improve student learning in Engineering institutions across India, AICTE has made it obligatory that every student, on admission, shall be put through a mandatory induction program to reinforce the fundamental concepts and the required language skills. It was resolved to develop mentors from among the faculty working in the institutes who would play the role of mentor to their students.

REGIONAL INDUCTION FACULTY TRAINING WORKSHOPS

Acting upon the discussions and recommendations of 'Sensitization Workshop' at Delhi, 6 regional workshops were conducted. The participating faculty mentors were imparted training for implementation of induction program.



Regional Induction Training Workshops
(from top left Raipur, Varanasi, Kanpur, Guwahati, Indore)

Workshop Institutes

PEC, Chandigarh

HBTU, Kanpur

IIT BHU, Varanasi

GEC, Raipur

IIT Guwahati

SGITS, Indore

THE WAY WE DID IT: ON GCE KARAD'S ACCOUNT

After attending 'Mentor Faculty Training at IIT BHU' we started planning of Induction Programme for First Year students. Inspired by the importance of programme, our faculty team was very much determined to schedule the programme at the earliest even though Academic Calendar was in full swing. It was decided to conduct programme for three days from 4th October to 6th October 2017 after completion of first class tests. All first year students were requested to participate in the programme without fail. It was decided to conduct the programme only within available resources as time available for preparation was very short.

Starting on Day 1 from Introduction program of students with each other and Mentor Faculty, Daily Yoga Sessions, Talk on 'Human Values', Kojagari Celebration, Creativity, Innovation and hidden skills sessions and Feedback sessions were organized and enthusiasm of participating student was real praiseworthy.

TEQIP Cell of GCOE Karad is thankful to resource person Mr. Prashant Puppal. It also acknowledges the support received from all mentor faculty particularly Dr. P.M.Joshi, Mr. S K Patil, Dr. P.C. Shetiye, Dr. R.B.Kulkarni, Dr.M.N.Hedaoo, Mrs. Uma Patil and many others.



Different activities during Induction Program, GCE Karad

STUDENT FEEDBACK

"The concept which was introduced in 'GCE Karad' for first year student named 'Induction Program' was really awesome. Personally, I appreciate the 'Universal Human Values' session because in that session we learned the value, the skills that technical person should have in today's life" - Mr. Patil Naresh Vilas (FY Student, GCE Karad)

"It took us away from chaotic world and helped us attain a divine silence. It was fun to have teacher as guardian. Creativity got platform where unknowingly we got acquainted to everyone's hidden talent." - Ms. Shailaja Shivaji Shinde (FY Student, GCE Karad)

"The jogging exercise was not only running for us but it actually made us breathe fresh air and made us feel close to nature." - Ms. Rutuja Musmade (FY Student, GCE Karad)



Mr. R Subramanyam, AS (TE) addressing institutes during Video Conference session on 8th September, 2017



Prof. P.M. Khodke, CPA, NPIU addressing Vice Chancellors and TEQIP Co-ordinators during ATU Orientation workshop on 26th October, 2017



Orientation workshop on PFMS and procurement conducted at AKTU, Lucknow. Mr. Pathak, VC, addressing participating UP institutes and their mentor institutes on 3rd August, 2017.



Orientation Workshop organized at IIT Guwahati. Institutes from North-East India participated in training workshop on PFMS, action plan and procurement on 11th August, 2017



Workshop on Professional Development Training conducted at IIM Shillong for Directors/ Principals of TEQIP III institutions on 31-1 October, 2017



A one day workshop on 'Modern MICRO-GRID & SCADA' conducted at GEC, Bhanswara.

Objective

Fostering collaboration and partnership for promoting research in areas of mutual benefit

Facilitating the mobility of students

Exchange of undergraduate and graduate students with a view to promoting research, consultation and exchange of experiences.

Information exchanges regarding joint R&D policies and strategies

Access to facilities and resources

MHRD-MITACS PARTNESHIP



Government of India have recognized that science, technology, and innovation are essential for economic growth and for the prosperity of country. International cooperation is an important mechanism to achieve these goals. Realizing the benefits of The Mathematics of Information Technology and Complex Systems (MITACS) program for Indian students, a Letter of Intent (LoI) was signed between Ministry of Human Resource Development (MHRD) and MITACS Inc. on 23rd August, 2017.

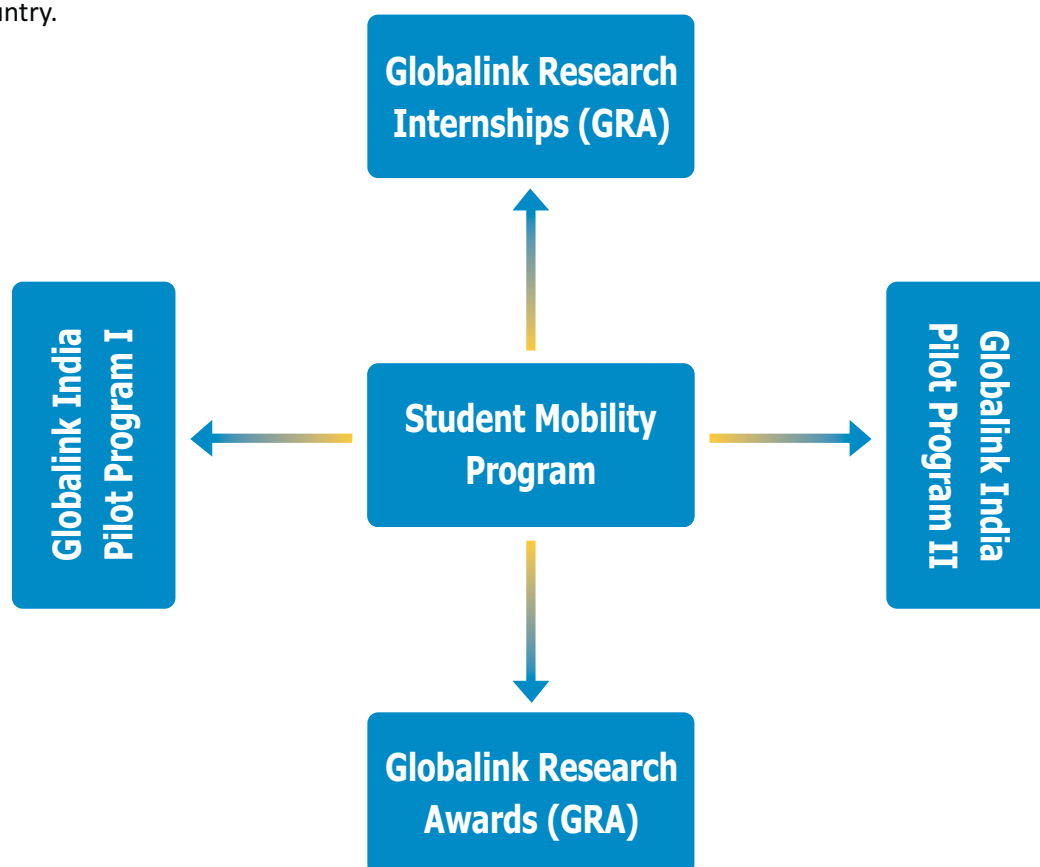
MITACS is a Canadian, not-for-profit Corporation located at University of British Columbia, Vancouver, British Columbia and has designed and delivered research and training programs in Canada for 15 years. Working with 60 universities, thousands of companies, and both federal and provincial governments, MITACS has built partnerships that support industrial and social innovation in Canada.

MITACS was founded in 1999 as a Canadian Network of Centres of Excellence, dedicated to supporting applied and industrial research in mathematical sciences and associated disciplines. Open to all disciplines since 2007, MITACS has expanded in response to industrial and university needs, including programs in R&D management, professional skills development, and international research training.

The goal of this partnership is to allow Indian and Canadian participants from each country to pursue research projects, applications, commercialization or entrepreneurship in the partner country.



MHRD-MITACS Signing Letter of Intent (from left Prof. P.M. Khodke, Ms. Tripti Gurha, Ms. Soyoung Park, Mr. Matthew McCracken)



MHRD To Implement 17 Point Digital Action Plan In Universities By December 2017

17 x 17 Action Plan

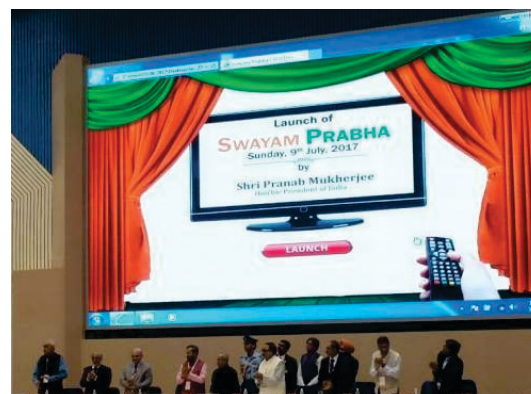


Hon'ble Shri Prakash Javadekar
HRM, GoI

Ministry of Human Resource Development is working rigorously to implement the 17 point action plan adopted during the National Convention on Digital initiatives which was held at Vigyan Bhawan in New Delhi on July 9, 2017. Hon. Shri Prakash Javadekar, HRM, GoI has observed that the initiatives like SWAYAM and SWAYAM Prabha (DTH Channels) are responsible for hugely improved educational standards in the country, their full potential is yet to be realized. To monitor and measure the improvement brought about by these initiatives, he has requested Universities to convene meetings with affiliated colleges and review the progress. It has been communicated to all the universities on August 1, 2017 by MHRD along with the action plan

SWAYAM PRABHA LAUNCH

Swayam Prabha, an initiative by MHRD, is a group of 32 DTH channels devoted to telecasting of high-quality educational programmes on 24*7 basis using the GSAT-15 satellite. The contents of technical subjects are provided by NPTEL, IITs, UGC, and CEC. Everyday there will be new content for at least 4 hours which would be repeated 5 more times in a day, allowing the students to choose the time of their convenience.



Swayam Prabha Launch Event

The former President of India, Hon. Shri Pranab Mukherjee attended the launch of SWAYAM Prabha and said that the spread of technology, telecom penetration and internet has offered an opportunity to quell the divide in terms of access and quality. Digital technology enables good teachers to directly teach large number of students who are not physically present in classes. The digital modes are cheaper, more easily accessible, interactive, and offer flexibility for people to learn at their own pace. He had expressed satisfaction that the scale and reach of this technology has been raised manifold through the 32 SWAYAM Prabha DTH channels.

During the launch of Swayam Prabha by MHRD, the Union Minister, Hon. Shri Prakash Javadekar said, "Swayam Prabha will have curriculum based courses covering diverse disciplines such as arts, science, commerce, performing arts. It covers all level of education: School education, undergraduate, postgraduate, engineering, out of school children, vocational courses and teacher training.

The Union Minister, Hon. Shri Prakash Javadekar also held a meeting with all the cable operators and DTH service providers on 17th August in order to expand the reach of SWAYAM-Prabha DTH channels. These channels will help students especially of rural areas and remote areas to achieve quality education through experienced teachers.

A. Swayam

1. Approve the courses on offer
2. Publicize the course
3. Prepare new course
4. Retrain Teachers
5. Monitoring Cell

B. Swayam Prabha DTH Channels

6. Buy free disc for accessing Swayam Prabha Channels
7. Orient Teachers

C. National Digital Library (NDL)

8. Join the NDL
9. Digitize your libraries

D. National Academic Depository

10. Join the NAD

E. Other Digital Initiatives

11. Digital Campus
12. Smart Campus
13. Clean Campus
14. National Digital Payment Mission
15. Unnat Bharat Abhiyan
16. Innovation Drives
17. Plan for future

Prize Money

1st prize - Rs.1,00,000/-

1st runner up - Rs.75,000/-

2nd runner up - Rs.50,000/-

Smart India Hackathon Procedure

Registration process

- Visit www.innovate.mygov.in/sih2017 or www.aicte-india.org or www.i4c.co.in
- Register college/ institute and create login-id

Team Formation

- Each team: 6 Members (at least 1 woman)
- Maximum 3 Teams/ college
- Assignment of 2 Industrial Mentors after selection of team

Submission of Idea

- Submission done by designated staff member only

Shortlisting of Ideas

- Notification about selected teams will be sent to their respective nodal center
- Keep a track of all announcements and updates on www.aicte-india.org

Grand Finale

- If a team is selected for the final Hackathon, members will need to travel to the assigned center which can be anywhere in India.
- Selected teams will be allowed to have 2 seniors as mentors. Mentors can be professors/teachers/ experienced professionals from industry.

Mandatory use of PFMS to help monitor fund flow to schemes: Finance Minister Arun Jaitley



Hon'ble Shri Arun Jaitley, Finance Minister during PFMS event

Finance Minister Hon. Shri. Arun Jaitley on 27th October, 2017 said that the mandatory use of Public Finance Management System (PFMS) will help to monitor the flow of funds to beneficiaries of different government welfare schemes.

Government of India has made the use of Public Finance Management System (PFMS) mandatory for transfer of funds under the central sector schemes, which account for 31% of the budget amounting 6.21 lakh crore in Financial Year 2017-18. This move will enable tracking and monitoring of the end-use of its funds. There are 613 schemes, including TEQIP-MHRD across all ministries which will be covered under PFMS. Finance Ministry also intends to bring Centrally Sponsored Schemes (CSSs), 12% of the budget accounting to 2.78 lakh crore under PFMS.

PFMS is already functional and running in TEQIP III while Project Institutes/ ATUs are consistently getting hands-on training about the processes involved in PFMS. NPIU has also developed guidance video and deployed on its website demonstrating EAT modules of PFMS.

PFMS FAQ Expenditure

1. I have taken advance from TEQIP III funds. How do I settle it?

Ans: The advance is settled through the advance settlement in PFMS. The advance amount should be settled within one month of giving advance.

The procedure is as follows:

(a) If the expenditure is more than the given advance amount:

In such case, the advance amount would be settled as "Expenditure", in the advance settlement option and the extra amount incurred (1000) by the vendor would be given to him via the normal procedure of expenditure booking in PFMS in same component.

(b) If the expenditure amount is less than the given advance amount:

In such case, the advance would be settled in two steps

1. The amount against which expenditure is done, would be settled as "Expenditure" in the advance settlement option.
2. The remaining amount would be transferred to NPIU's "Central Pool Account" through cheque or any online transfer mode and the institute would settle that amount as "Refund", in the advance settlement.

2. What is the procedure for income tax/service tax/GST deduction?

Ans: Tax includes two types as mentioned in the questions i.e. IT or GST/ST. The separate response is as below:

IT: IT is always deducted at source, whether it is for contract staff drawing remuneration/honorarium or the service provider giving service beyond certain amount as per laws prevailing. For, the rates of deductions, institutions are advised to consult appropriate advisor. The institutes shall deduct the taxes and pay the remaining amount to the vendor/ contract staff as expenditure via the normal procedure of expenditure in PFMS. Also write in Tax Deduction as "NO". Now Tax deducted is to be taken in the institute account (as advance) for further paying to the concerned authorities and issue the certificate of tax deduction to the vendor/ contractual staff. The tax paid receipt shall then be booked as an expenditure for settlement of advance in PFMS.

GST/ ST: The bill including GST/ ST shall be paid to the vendor as an expenditure through PFMS, writing in Tax Deduction as "NO". If institute selects YES double booking would happen. First when it deducts from expenditure entry and second when it takes the TDS amount as advance.

3. How do I make petty cash payments under TEQIP III?

Ans: For giving petty cash the institute would draw an advance amount to personal account and give cash to the concerned person from its personal account. Later on, the payments would be settled through "Advance Settlement" as mentioned above.

NOTE: Petty cash should be a small amount given to a vendor (not more than Rs. 5000) who does not have an account. However, the institute would try to avoid it in normal circumstances.

4. Approver has approved the payment, but it is not reflecting in E-payment for digital signature.

Ans: Check the following steps:- a. Account Activation E-payment, b. Signatory Configuration

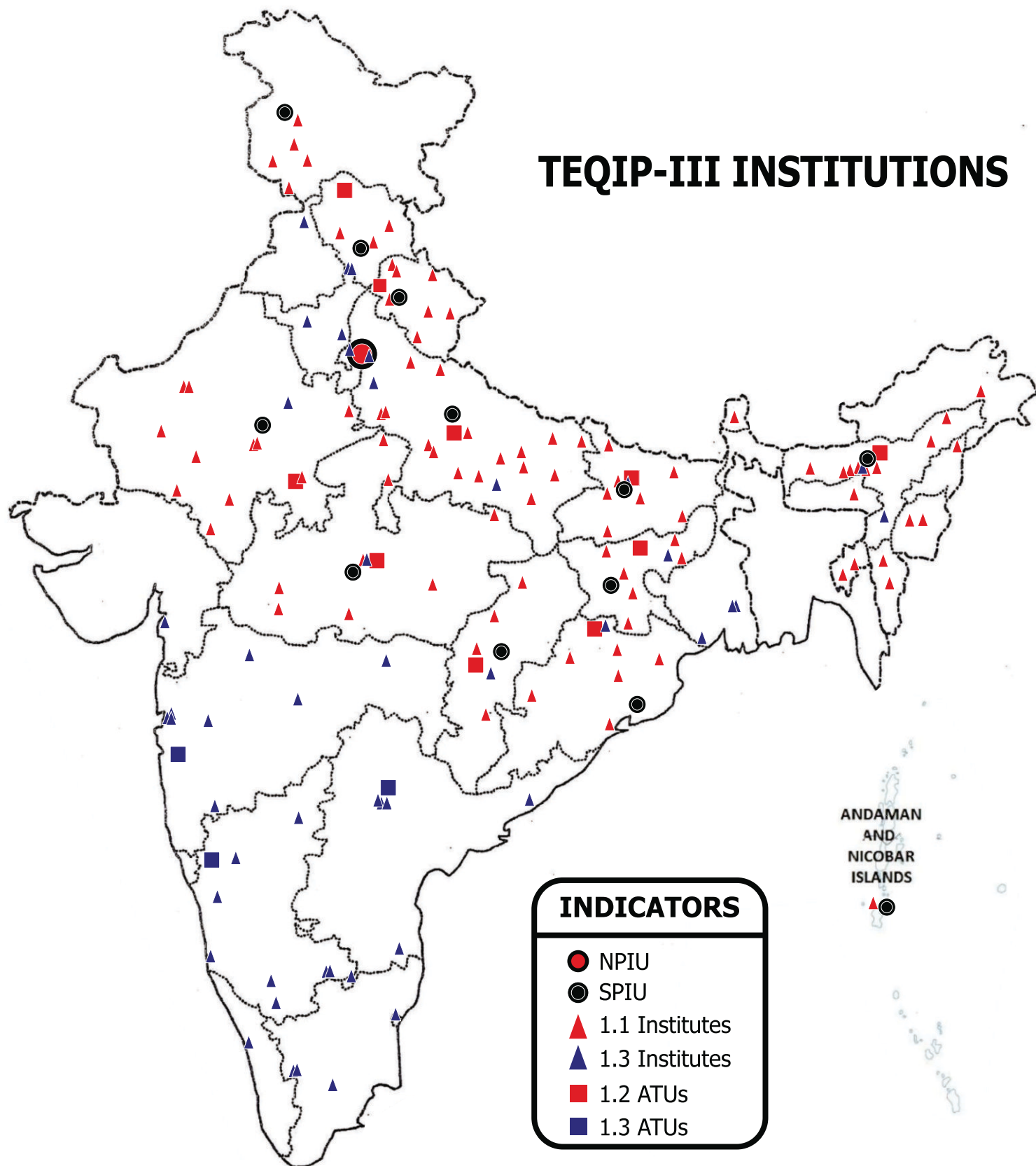
6. While adding a new expenditure, after adding details, the option to add payee details was shown. In the dropdown option the option for e-payment using digital signature is not shown to select the instrument type.

Ans: It means that the vendor details have not been verified by the bank. It can be viewed from the admin account by going to masters> vendors> manage. There the bank status of the vendor can be viewed. It should "Success in bank" for further procedures.

5. Signatory Configuration has been done, still payment is not reflecting in E-payment for digital signature.

Ans: Signatory Configuration might have been done on own bank account in place of Parent (NPIU) Bank account.

TEQIP-III INSTITUTIONS



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