



TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME -III

State Project Implementation Unit – Bihar
(A unit of Ministry of HRD, Government of India)

AGENDA FOR 3rd STATE STEERING COMMITTEE MEETING

Date: 8th January 2021, Time: 11:00 Hrs

Venue: Lemon Tree Hotel, Patna

AGENDA – ITEMS

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Item No. 3.1	Confirmation of Minutes of the 2nd SSC meeting held on 17th December 2019
Action required	The Committee may deliberate and confirm

Minutes of the 2nd meeting of State Steering Committee (SSC) of TEQIP-III in Bihar held on 17.12.2019 at 11:00 a.m. at Hotel Maurya, Patna

The following persons attended the meeting.

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|-----|--|------------------|
| 1. | Shri Chaitanya Prasad, (IAS), Principal Secretary, S&T, Bihar | Chairman of SSC |
| 2. | Shri Sanjeev Kumar | Member Secretary |
| 3. | Shri Mirza Arif Raza, B.A.S, Deputy Secretary, DST, Bihar | Member |
| 4. | Prof. S. K. Sinha, Associate Professor, Center for Design & Technology, IISC Bangalore | Member |
| 5. | Shri Sanjay Kumar Bhartiya, Dina Iron & Steel Ltd. | Member |
| 6. | Shri Sri Gajendra Kumar Mishra, B.A.S, Joint Secretary, S&T, Bihar | Special Invitee |
| 7. | Shri Mobin Ali Ansari, Joint Director (Admin), S&T, Bihar | Special Invitee |
| 8. | Dr. Achintya | Special Invitee |
| 9. | Dr. Nirmal Kumar Principal, Gaya College of Engineering, Gaya | Special Invitee |
| 10. | Dr. Kumar Surendra, Principal, LNJPIT Chapra | Special Invitee |
| 11. | Dr. Ramchandra Prasad, Principal, MCE Motihari | Special Invitee |
| 12. | Dr. Jagadanand Jha, Principal, MIT Muzaffarpur | Special Invitee |
| 13. | Dr. Anant Kumar, Joint Director (Science), S&T, Bihar | Special Invitee |
| 14. | Dr. Chandrashekhar Singh, Joint Director (Technical), S&T, Bihar | Special Invitee |
| 15. | Dr. Deepankar Shree Gyan, Deputy Registrar, AKU, Patna | Special Invitee |
| 16. | Mr. Zafar Ayub Ansari, TEQIP Coordinator, LNJPIT Chapra | Special Invitee |
| 17. | Mr. Alok Kumar, Assistant Professor, NCE Chandi | Special Invitee |
| 18. | Mr. Aneesh Kumar, Assistant Professor, LNJPIT Chapra | Special Invitee |
| 19. | Mr. Kameshwar Rao Pallapu, Consultant (T&P), S&T Bihar | Special Invitee |
| 20. | Dr. Bushra Zaman, Consultant (Academics/Institutional Development), SPIU Bihar, Incharge-SPA | Member |
| 21. | Mr. Kamal Kishore Prasad, Office Assistant, AKU, Patna | Special Invitee |

Following members of SSC could not attend the meeting Shri D. K. Singh, Principal, BIT Sindri, Shri Prashant Agarwal, Director (IITs), MHRD, Gol and Shri H. P. Joshi, G.M. (NTPC).

After welcoming all the SSC members, a presentation on agenda items which included detailed status of each, was made by the Nodal Officer (Academics).

Following was discussed and decided with respect to each agenda point:

Item No.2.1	Confirmation of the Minutes of the 1st SSC meeting held on 9th January, 2019
Action Required	The committee deliberated and confirmed

The points discussed and decisions made are given below:

- The committee confirmed the item no.2.1 (the Minutes of the 1st SSC meeting held on 9th January, 2019) with no further observations.

The committee made the observations that:

- SSC meeting should be conducted once in every quarter of the year.

- Representatives from Aryabhata Knowledge University and various mentor institutes of TEQIP colleges should also be invited to SSC meeting.

Item No.2.2	Action taken on the decisions of 1st SSC meeting held on 09th January, 2019
Action Required	The committee deliberated and suggested/instructed

Item No. 1: Facts about TEQIP III

Following are the observations/suggestions given by the committee in relation to the points furnished under Item number 1.

- SPIU Bihar to create a database of the names and number of well-established labs in 7 State Govt. Engineering Colleges participating in TEQIP-III.
 - The committee received the information from Principal, BCE Bhagalpur, that BCE Bhagalpur has fully developed labs for Civil and Mechanical Engineering departments.
 - Darbhanga College of Engineering to complete establishing labs for Electrical, Mechanical, and if possible, Civil Engineering department by the end of January, 2020.
 - The committee has also suggested to take a note of the status of establishment of various labs in Nalanda college of Engineering and Loknayak Jai Prakash Institute of Technology (L.N.J.P.I.T), Chapra.
 - To decide venues to provide training in software for lab staff
 - The training session for the lab staff should commence on 09th January, 2020.

Accordingly, the committee identified the well-established labs in TEQIP Colleges where the faculty and staff would be trained. They are as follow:

- Training in the Civil Engineering labs at Bhagalpur College of Engineering.
- Training in the CSE department labs of Gaya College of Engineering.
- Training in the Chemistry and Physics department labs of Nalanda College of Engineering.
- Training in the Electrical and Electronics Engineering labs of L.N.J.P.I.T, Chapra.
- The colleges should arrange for additional classes instead of remedial classes for all students in subjects where students show low performance so that there is no stigma attached to the classes.
- To invite motivational speakers and established alumni members of respective colleges to motivate the students.
- To create a strong Alumni network in colleges and communicate the alumni the interest of the institute. To invite the renewed Alumni to the campus for various institute related purposes. The committee suggested that Muzaffarpur College of Engineering and Bhagalpur College of Engineering can take the responsibility to coordinate this activity for other colleges.
- The institutes should work towards helping students create necessary skill sets to face the recruitment requirements.
- The institutes should devise mechanisms to send students to respective mentor institutes, other institutes of eminence and industries for gaining exposure.
- With the help of TEQIP, Institutes have to provide or make arrangements to provide necessary training and workshops to students with an aim of making them qualify for Internshala.
- The possibility of students from Bihar TEQIP institutes to attend one semester in the respective mentor institutes, including their credit transfer for the period of study during that period, will be discussed by the chairperson of the committee with persons concerned from AKU.

Item No. 2: Establishment of SPIU, Bihar

Following are the observations/suggestions given by the committee in relation to the points furnished under the 'Action Taken section', Item number 2.

- The chairperson suggested that a competitive Chartered Accountant be hired for SPIU, based on honorarium, to monitor the finance and procurement details.

Item No. 3: SSC, Composition, Functions and Duties

Following are the observations/suggestions given by the committee in relation to the points furnished under the 'Action Taken section', Item number 3.

- The SSC meeting should be conducted once in every quarter of the year.
- SPIU should create a standard monthly report format, preferably one page, for maintaining the record of the activities done within the time period and circulating the same to all the bodies concerned, including NPIU.

Item No. 4: DLI#1- NBA Accreditation

Following are the observations/suggestions given by the committee in relation to the points furnished under the 'Action Taken section', Item number 4.

- SPIU, Bihar was instructed to draft a letter to NPIU regarding the status of appointment of Associate Professors and Professors in the TEQIP institutes of the state.

Item No. 6: Status of DLI#3-Board of Governors-Composition and Quarterly Meetings

Following are the observations/suggestions given by the committee in relation to the points furnished under Item number 6.

- The committee retained the former observation that all BoG meetings of colleges and AKU are being conducted as per the schedule.

Additionally, the committee observed that:

- The institutes should form their own Internal Governing Council (IGC). The responsibility of formulating and providing the norms for the same has been given to Muzaffarpur College of Engineering.

Item No. 7: Status of DLI#4-GATE Examination

Following are the observations/suggestions given by the committee in relation to the points furnished under Item number 7.

- Prepare a graphical visual representation indicating the progress of the students in GATE training through conducting pre-assessment and post-assessment tests in each institute.
- The students who failed to clear the post-assessment mock GATE exam should be given special training in the month of January, 2020, before the GATE examination. The training classes should begin by 10th January, 2020.
- The chairperson should be provided with a file comprising of compiled results of pre and post-assessment tests of the students, from all the TEQIP institutes.
- Post-assessment exam for the year 2019-20 should be conducted at least by the first week of January, 2020.

Item No. 9: AICTE Mandate Implementation

Following are the observations/suggestions given by the committee in relation to the points furnished under Item number 9.

- Mandatory Internship: The students should be given training with the aim of equipping them to meet the standard set by Internshala.
- Subjects like Physics should incorporate such components in the syllabus which are industry specific keeping in view that it would helpful for the students in relation to placement, rather than including the obsolete topics.
- The colleges were instructed to follow an ongoing process of creating reports on the issues in the content of the syllabus and submit it the consideration of AKU.
- Examination Reforms: SPIU should collaborate with AKU to constitute an examination reforms committee.
- The institutes should create standardized internal academic calendar incorporating dates of internal examinations and other academic related activities. It is also suggested that an internal committee should be constituted to create academic calendar.
- Industry Institute Interface: The process of identifying industries with whom the institute would like to start the interaction should be decided at the BoG level.
- The MOU structure between the institute and industries should have its approval at the BoG level. For the purpose of creating the MOUs, it is necessary to organize meetings with industries.
- As the part of industry-institute interaction such as undergoing training, industry visits and so on institutes can comply the short faculty visits (three to five days) to related industries/companies.
- The chairperson instructed SPIU, Bihar to draft letters to arrange a meeting with the representatives of Bihar Industries Association (BIA) and other public sector companies, locomotive industry, thermal power plants etc., with the purpose of arranging student internships and visits for faculty exposure.
- The chairperson has instructed SPIU, Bihar to draft letter to arrange meeting with industries in the private sector, for exploring the possibility of MoU for student internships and possible placements, faculty visits and industry sponsored labs.
- It is instructed that Gaya College of Engineering should take steps to finalize their industry partner for the intended collaboration with the institute.

Agenda Items

Item No.2.3	Status of DLI#1- NBA Accreditation
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.3.

- The committee analyzed and noted that, M.I.T, Muzaffarpur needs one associate Professor to be appointed in CE department, four Assistant Professors in EE department to meet the criteria set by NBA, in order to successfully go through the accreditation process. The committee also instructed M.I.T to find out the number of faculty members required in IT department to meet NBA criteria. It is suggested to Darbhanga College of Engineering that they conduct a self-assessment of Mechanical Engineering department keeping in purview the NBA accreditation process and NBA Team Visit.
- It is suggested that Bhagalpur College of Engineering should do a re-evaluation of the points of the departments concerned, based on the methods of criteria followed by NBA.
- It is suggested to constitute a committee headed by Dr. Anant Kumar, Joint Director (Science) to identify and assess the elements of weakness (the weakness observed by NBA), and initiate the process to resolve them at respective institute level. It is also suggested to create a matrix of the weakness in each institute.

- The Chairperson instructed TEQIP colleges to conduct regular meetings in the institute to monitor the progress and functioning of TEQIP, and publish the MoM for the same on the website of respective institutes.

Item No.2.4	Status of DLI#2 – Institutional Autonomy
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.4.

- One of the criteria for institutional autonomy is NBA Accreditation which requires maintaining an SFR of 1:25 and the Cadre ratio of Professor, Associate Professor and Assistant Professor. Presently there is a huge shortage of senior faculty in the State Govt. Engineering Colleges of Bihar.
- The Chairperson, SSC, informed that the recruitment of Associate Professors and Professors will be taken up very shortly by BPSC, in a centralized manner keeping in line with the new guidelines prescribed.
- It was also suggested by the committee that the Senior Faculty and Principals can be hired on Contract or Deputation following AICTE guidelines. Dr. Anant, Joint Director (Science) was asked to prepare necessary paperwork for the same.

Item No.2.5	Status of DLI#3 – Board of Governors
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.5.

- Institutes should take a note of the BoG members who have not been able to attend any of the BoG the meetings till date. The members who are nominated by the government and those nominated by DST, Bihar should be identified and the process of finding suitable replacements for them should be initiated.
- SPIU Bihar was asked to identify such members and forward the names to DST, Bihar.

Item No.2.6	Status of DLI#4 – Exit Examination (GATE)
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.6.

- GATE Examination is one of the Disbursement linked indicators (DLIs) and it is mandatory for the institutes to train 70% of the final year students to achieve this DLI. At NCE, Chandi, only 52.1% final years students and at GCE Gaya only 49.8% final year students are getting trained for GATE. The institutes were instructed to take steps to conduct a GATE crash course in January 2020 and enroll at least 70% students in that course. They were also asked to distribute the GATE training materials among them by the end of current week (21. 12. 2019), and send the report for the same to SSC through SPIU.
- The colleges were also instructed to conduct a Mock exam for GATE by the end of first week of January i.e. 10th January 2020.

Item No.2.7	Status of DLI#5 – Timeliness of Allocation, Utilization and Expenditure
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.7.

- The SSC suggested that for non-TEQIP institutions, AKU has to plan the expenditure in academic and procurement sections and send the information to DST Bihar and SPIU Bihar
- SSC suggested that AKU should purchase subscriptions to online academic journals through the TEQIP funds and should give access to these online resources through E-library to all its affiliated colleges.

- AKU could also utilize TEQIP funds to cover the registration expenses for student internships for non-TEQIP institutes.
- The chairperson suggested that a meeting TEQIP Coordinator, AKU, Program Manager, AKU and SPIU Bihar should hold a meeting and create the Academic and Procurement expenditure plan for AKU and submit the same to the office of the Principal Secretary at the earliest.

Item No.2.8	AICTE mandate Implementation
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.8.

- Create an academic standing committee for the purpose of revising the university curriculum under the guidance of Dr. Anant Kumar.
- The standing committee should also monitor the creation of a standardized calendar for internal assessment in institutions.
- The committee should monitor the process of providing the student trainings in communication skills.
- A combined Industry Consultation Committee (ICC) should be created, and a file regarding the details of the ICC should be maintained.
- The committee has asked SPIU to provide the details of usage of SWAYAM Prabha courses in the 7 State Govt. Engineering Colleges of Bihar
- The Chairperson, SSC instructed that these should be a practice to integrate the related topics from SWAYAM portal courses and SWAYAM Prabha links into the lesson plans created for various subjects in the syllabus.
- Upload the relevant SWAYAM portal courses and other MOOC course videos on the web sites of the institutes.
- The institutes were directed to upload the respective course files on their web sites for the students to access the teaching materials and related web links.
- SSC has decided to write to AICTE to create a mandate for student internship programs that could run for three-to-four months at a stretch.
- The committee has suggested to communicate with AICTE regarding obtaining the necessary assistance in the establishment of Tinkering Labs in institutes. If the establishment of the labs is not practical through AICTE, DST, Bihar would consider the process.
- The SSC committee directed the institutes to create an alumni portal on the institute website and at the institute level for the purpose of maintaining the record and collaborating with alumni for the development of the institute.

Item No.2.9	ATU Mandate and the Status of TEQIP III Implementation by AKU, Patna
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.9.

- AKU has created an Audio-Visual studio which can be utilized for creating MOOC courses by the faculty of State Govt. Engineering Colleges of Bihar. The committee has asked SPIU, Bihar, to take up the responsibility to identify and request competent faculty members who could be willing to develop MOOC courses for the subjects given in the AKU syllabus.
- The chairperson has suggested to provide quantitative feedback on all the 18 points listed in the agenda and discussed under the title **Status of Various TEQIP Activities for AKU.**

Item No.2.10	Performance Audit and Mentoring
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.10.

- The committee suggested SPIU Bihar to share all the related documents and reports with SSC.

Item No.2.12	Equity Action Plan (EAP)
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.12.

- The committee suggested SPIU Bihar to maintain a standardized monthly reporting format for EAP and review it periodically.

Item No.2.13	Environmental Management Framework (EMF)
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.13.

- The committee suggested SPIU to maintain a standardized monthly reporting format for EMF and review it periodically.

Item No.2.15	Status of Workshops, Review Meetings Conducted by SPIU
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.15.

- The committee instructed SPIU, Bihar, to create a calendar of activities with the dates for all the future activities planned by SPIU.

Item No.2.17	SPIU and State Intervention for Up Skilling Employability for Enhancing Placement
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.17.

- The committee suggested SPIU, Bihar to encourage the institutes to train the students in various skills by following proper service procurement rules and procedures.

Item No. 2.18	Status of Performance Benchmarks for 1.1 and 1.2 Institutions
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SPIU Bihar briefed the SSC regarding the status of achievement of performance benchmarks by the institutes and AKU, Patna:

- In the first stage, all institutions who spend 60% of their Project Life Allocation (PLA) [Rs. 10 crores for colleges and Rs. 20 crores for AKU] by 30th July 2019 received an additional funding of 10%. In all states only 13 institutions made it to the list of high performing institutions, out of two institutions were from Bihar, MIT Muzaffarpur and LNJPIIT Chapra. Both received additional funds of Rs. 1 crore and the revised PLA became Rs. 11 crores. AKU faced a curtailment of Rs. 10% and hence its PLA was reduced to Rs. 18 crores
- In the second stage, NPIU informed that the colleges/ATUs who spent 45% of total PLA and satisfy 4 out of 6 benchmarks by 10th September 2019 will be marked as well performing institutions and the ones that spend 65% and satisfy 5 out of 8 performance benchmarks will be marked as high performing institution and will receive an additional fund of 10% again.

In Bihar all 7 institutions qualified as well performing and did not face any curtailment. Additionally, 4 colleges, MIT Muzaffarpur, LNJPIIT Chapra, NCE Chandi and GCE Gaya spent 65% or more and also satisfied all the necessary benchmarks and are to receive 10% additional funds. However, AKU could only satisfy 3 instead of 5 out of total 9 benchmarks and hence faced another curtailment of 10% funds and its PLA was reduced to Rs. 16.2 crores.

The Committee noted.

Item No. 2.19	Collaborative Research Scheme (CRS) for TEQIP Faculty
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SPIU briefed the SSC about the collaborative research scheme was launched by NPIU in collaboration with AICTE and the following **highlights of the scheme:**

1. Max funding Rs 25 lakhs. For equipment, computational facilities, travel, contingency, consumables etc.

2. The project duration is 1 year w.e.f. 1st April and extendable for next 6 months.
3. Project may be equipment based on even without equipment
4. Collaborator may be from mentor institute or NITs or IITs.

The details of CRS scheme are listed below:

Sr. No.	Institute	No. of Projects	Grants in Lakhs
1	Bhagalpur College of Engineering, Bhagalpur	7	82
2	Darbhangha College of Engineering, Darbhanga	7	91
3	Gaya College of Engineering, Gaya, Sri Krishna Nagar	9	91
4	Lok Nayak Jay Prakash Institute of Technology, Chapra	2	6
5	Motihari College of Engineering, Motihari	8	109
6	Muzaffarpur Institute of Tech, Muzaffarpur	10	85
7	Nalanda College of Engineering, Chandi, Nalanda	5	57
	Total	48	522

The Committee noted

Item No. 2.20	Grievances of stakeholders vis –a-vis TEQIP-III in Bihar
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SPIU Bihar informed SSC about the mandate of TEQIP-III to improve the governance system of the institutions and the launch of the grievance redressal mechanism CTGRAMS by NPIU/MHRD to that effect.

The Committee noted

Item No.2.21	Procurement action plan with realistic timeline for achieving 100% procurement as per PLA by December, 2019 and total academic plan as per PLA for the project period (up to September, 2020)
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Following are the observations/suggestions/remarks given by the committee in relation to the points furnished under Item number 2.21.

- SPIU Bihar informed the Committee that the Internal audit and the statutory audit of the 7 State Govt. Engineering colleges participating in TEQIP-III have been conducted on schedule. The compliance of the audit observations has been done and no major observation has come to light. The committee noted.
- The committee suggested that SPIU Bihar should monitor the monthly action plan created by the institutes and to ascertain that the activities are being carried out according to the plan within the stipulated time period.

The meeting was concluded with a Vote of Thanks by Nodal Officer (Academics)

Item No. 3.2	Action taken on the decisions of 2nd SSC meeting held on 17th December 2019
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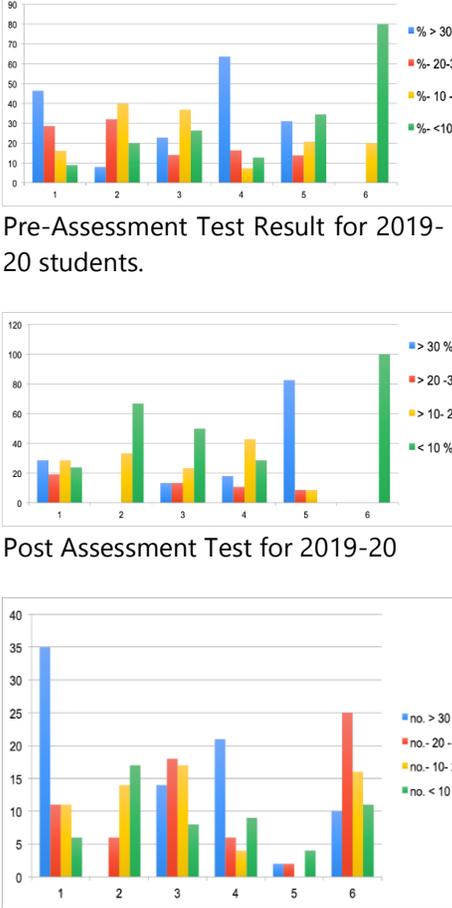
Sr. No.	Item	Action	Responsibility	Action Taken
Item No.2.1	Confirmation of the Minutes of the 1 st SSC meeting held on 9 th January, 2019	<ul style="list-style-type: none"> i. SSC meeting should be conducted once in every quarter of the year. ii. Representatives from Aryabhata Knowledge University and various mentor institutes of TEQIP colleges should also be invited to SSC meeting. 	SPIU Bihar	Noted and complied
Item No.2.2	Action taken on the decisions of 1 st SSC meeting held on 09 th January, 2019	<ul style="list-style-type: none"> • SPIU Bihar to create a database of the names and number of well-established labs in 7 State Govt. Engineering Colleges participating in TEQIP-III. 	SPIU Bihar	Complied. The list of new labs developed/ labs upgraded/modernized is attached as Annexure A.
		<ul style="list-style-type: none"> ○ Darbhanga College of Engineering to complete establishing labs for Electrical, Mechanical, and if possible, Civil Engineering department by the end of January, 2020. 	Principal & TEQIP Coordinator, DCE Darbhanga	<ul style="list-style-type: none"> • Procurement of Lab equipment for all branches through TEQIP fund is complete and the equipment are in use for the lab classes. • The new building of DCE Darbhanga was handed over on 6th October 2020. Most of the labs and hence the lab equipment have been shifted to the new space. The proper installation and commissioning will be done there.
		<ul style="list-style-type: none"> ○ The committee has also suggested to take a note of the status of establishment of various labs in Nalanda college of Engineering and Loknayak Jai Prakash Institute of Technology (L.N.J.P.I.T), Chapra. 	Principal & TEQIP Coordinator, LNJPIIT Chapra	Total 41 new labs were created and 111 labs were upgraded/modernized through the TEQIP-III funds. The details about the labs established by each college and the funds utilized is attached as Annexure A

Sr. No.	Item	Action	Responsibility	Action Taken
		Status report on lab establishment by NCE Chandi and LNJPIT Chapra to be submitted		
		○ To decide venues to provide training in software for lab staff	Joint Director (Sc.)	In Process
		○ The training session for the lab staff should commence on 09 th January, 2020.	TEQIP Institutes	A workshop on Lab Training was conducted at MIT Muzaffarpur from 17-19 December, 2019 which was attended by staff from all 7 colleges
		○ Training in the Civil Engineering labs at Bhagalpur College of Engineering.	Principal & TEQIP Coordinator, BCE Bhagalpur	BCE Bhagalpur planned to organize the training in May-June 2020 but could not be completed due to COVID.
		○ Training in the CSE department labs of Gaya College of Engineering.	Principal & TEQIP Coordinator, GCE Gaya	The Lab training was scheduled on 21 st and 22 nd May, 2020 by Dr. Dipankar Roy and another official personnel from IIT, Dhanbad but was cancelled.
		○ Training in the Chemistry and Physics department labs of Nalanda College of Engineering.	Principal & TEQIP Coordinator, NCE Nalanda	NCE Chandi was to organize the training in the 3 rd week of May 2020 but was cancelled
		○ Training in the Electrical and Electronics Engineering labs of L.N.J.P.I.T, Chapra.	Principal & TEQIP Coordinator, LNJPIT Chapra	LNJPIT Chapra was to hold the training in May-June 2020 but was cancelled.
		• The colleges should arrange for additional classes instead of remedial classes for all students in subjects where students show low performance so that there is no stigma attached to the classes.	All TEQIP Institutes	Noted and complied There are provisions for additional classes in the regular time-table. Faculty are instructed to conduct additional classes for low performing students in those time slots.
		• To invite motivational speakers and established alumni members of	All TEQIP Institutes	Noted and in process • DCE Darbhanga invited Mr. Shivesh Mishra (Industry person), Alumni,

Sr. No.	Item	Action	Responsibility	Action Taken
		<p>respective colleges to motivate the students.</p>		<p>DCE, Darbhanga to motivate students.</p> <ul style="list-style-type: none"> • BCE Bhagalpur invited various motivational speakers like Mr. Naga Prasad, Mr. Quaisar N Jani, Dr. Ratna Mukherjee to motivate the students and plans to do such talks in the future also. • GCE Gaya has appointed Dr. Vikram Kumar as Alumni Relation's In-charge.
		<ul style="list-style-type: none"> • To create a strong Alumni network in colleges and communicate the alumni the interest of the institute. To invite the renewed Alumni to the campus for various institute related purposes. The committee suggested that Muzaffarpur College of Engineering and Bhagalpur College of Engineering can take the responsibility to coordinate this activity for other colleges. 	<p>All Institutes TEQIP</p>	<ul style="list-style-type: none"> • MIT Muzaffarpur has created a Whats App and Facebook page have been created; Alumni Tab is incorporated in Institute Website. • DCE Darbhanga has already established an Alumni cell for the coordination among alumni which is working towards strengthening our alumni network and plans to organize an alumni meet as soon as the college opens. • The process is ongoing at all other colleges.
		<ul style="list-style-type: none"> • The institutes should work towards helping students create necessary skill sets to face the recruitment requirements. 	<p>All Institutes TEQIP</p>	<ul style="list-style-type: none"> • AMCAT tests for all batches and Employability skills training of 200 Hrs for 3rd year students are being held in all colleges. • MIT has held workshops on Disaster Safety Awareness, CISCO IT essentials, CCNA Course, MATLAB for Engineers etc is being conducted for students • DCE has held software training on AutoCad, Solid Works, Ansys, Java and Java Script, Web Design, Embedded system, C & C++, PLC Scada • Noted and being complied in NCE, MCE, LNJPIIT, GCE and BCE.

Sr. No.	Item	Action	Responsibility	Action Taken
				<ul style="list-style-type: none"> • Online training have been conducted by all colleges
		<ul style="list-style-type: none"> • The institutes should devise mechanisms to send students to respective mentor institutes, other institutes of eminence and industries for gaining exposure. 	All TEQIP Institutes	<ul style="list-style-type: none"> • There was a plan to send students from all 7 colleges to their respective mentor institutions, NIT Patna, IIT Patna, IIT Bombay, VJTI Mumbai, and JNTU Hyderabad for internships. • Students had attended Technical fests at various IITs, NITs and institutes of eminence
		<ul style="list-style-type: none"> • With the help of TEQIP, Institutes have to provide or make arrangements to provide necessary training and workshops to students with an aim of making them qualify for Internshala. 	All TEQIP Institutes	Noted and in process
		<ul style="list-style-type: none"> • The possibility of students from Bihar TEQIP institutes to attend one semester in the respective mentor institutes, including their credit transfer for the period of study during that period, will be discussed by the chairperson of the committee with persons concerned from AKU. 	Joint Director (Sc.)	In Process
Item No. 2	Establishment of SPIU, Bihar	<ul style="list-style-type: none"> • The chairperson suggested that a competitive Chartered Accountant be hired for SPIU, based on honorarium, to monitor the finance and procurement details. 	SPIU Bihar	Mr. Ritesh Anand, CA has been as an expert consultant for finance and procurement at SPIU after due approval from NPIU and DST, Bihar

Sr. No.	Item	Action	Responsibility	Action Taken
Item No. 3	SSC, Composition, Functions and Duties	<ul style="list-style-type: none"> The SSC meeting should be conducted once in every quarter of the year. 	SPIU Bihar	Complied
		<ul style="list-style-type: none"> SPIU should create a standard monthly report format for maintaining the record of the activities done within the time period and circulating the same to all the bodies concerned, including NPIU. 	SPIU Bihar	Complied. The report is attached as Annexure B.
Item No. 4	DLI#1- NBA Accreditation	<ul style="list-style-type: none"> SPIU, Bihar was instructed to draft a letter to NPIU regarding the status of appointment of Associate Professors and Professors in the TEQIP institutes of the state. 	SPIU Bihar	On 27 th December 2019, NPIU sent a list of 44 Senior faculty and asked SPIU to take their consent for joining Bihar colleges. All 44 were contacted and 3 Senior faculty agreed to join. SPIU was instructed by NPIU to forward the consent and other details to DST Bihar for further processing and allocation of place of posting.
Item No. 5	Status of DLI#3- Board of Governors- Composition and Quarterly Meetings	<ul style="list-style-type: none"> The institutes should form their own Internal Governing Council (IGC). The responsibility of formulating and providing the norms for the same has been given to Muzaffarpur College of Engineering. 	All Institutes	MIT Muzaffarpur has constituted its IGC and has circulated the composition to all colleges.
Item No. 7	Status of DLI#4- GATE Examination	<ul style="list-style-type: none"> Prepare a graphical visual representation indicating the progress of the students in GATE training through conducting pre-assessment and post-assessment tests in each institute. 	All GATE Coordinators, TEQIP Coordinators & SPIU	In all colleges except MIT Muzaffarpur, very few students appeared in pre-assessment and mock tests, hence a conclusive evidence regarding impact of training could not be worked out. In MIT students showed a marked improvement after the training.

Sr. No.	Item	Action	Responsibility	Action Taken
		<ul style="list-style-type: none"> • 		 <p>Pre-Assessment Test Result for 2019-20 students.</p> <p>Post Assessment Test for 2019-20</p> <p>Pre Assessment test for Gate 2021</p>
		<ul style="list-style-type: none"> • The students who failed to clear the post-assessment mock GATE exam should be given special training in the month of January, 2020, before the GATE examination. The training classes should begin by 10th January, 2020. 	All TEQIP Institutes, SPIU to monitor	Noted and complied. All colleges conducted a crash course for GATE in January 2020.
		<ul style="list-style-type: none"> • The chairperson should be provided with a file comprising of compiled results of pre and post-assessment tests of the students, from all the TEQIP institutes. 	TEQIP Coordinator, all TEQIP Institutes	In most colleges the number of students who appeared in the Pre-assessment test and mock test was very poor. Hence it was difficult to conclude the impact of training from data analysis. The details are discussed in the main agenda.

Sr. No.	Item	Action	Responsibility	Action Taken
		<ul style="list-style-type: none"> Post-assessment exam for the year 2019-20 should be conducted at least by the first week of January, 2020. 	TEQIP Coordinator, all TEQIP Institutes	Noted and complied by all colleges.
Item No. 9	AICTE Mandate Implementation	<ul style="list-style-type: none"> Mandatory Internship: The students should be given training with the aim of equipping them to meet the standard set by Internshala. 	All TEQIP Institutes	Noted and being complied by all colleges.
		<ul style="list-style-type: none"> Subjects like Physics should incorporate such components in the syllabus which are industry specific keeping in view that it would helpful for the students in relation to placement, rather than including the obsolete topics. 	Physics Faculty- All Colleges, a consolidated report to be submitted to AKU for consideration	Noted.
		<ul style="list-style-type: none"> The colleges were instructed to follow an ongoing process of creating reports on the issues in the content of the syllabus and submit it the consideration of AKU. 	All TEQIP Institutes	Noted
		<ul style="list-style-type: none"> Examination Reforms: SPIU should collaborate with AKU to constitute an examination reforms committee. 	SPIU Bihar and TEQIP Coordinator - AKU	To be planned
		<ul style="list-style-type: none"> The institutes should create standardized internal academic calendar incorporating dates of internal examinations and 	All TEQIP Institutes	Noted and being complied.

Sr. No.	Item	Action	Responsibility	Action Taken
		other academic related activities.		
		<ul style="list-style-type: none"> It is also suggested that an internal committee should be constituted to create academic calendar. 	Joint Director (Sc.)	In Process
		<ul style="list-style-type: none"> Industry Institute Interface: The process of identifying industries with whom the institute would like to start the interaction should be decided at the BoG level. 	All institutes BoG	Noted and being complied
		<ul style="list-style-type: none"> The MOU structure between the institute and industries should have its approval at the BoG level. For the purpose of creating the MOUs, it is necessary to organize meetings with industries. 	All Institutes TEQIP	<ul style="list-style-type: none"> Noted and being complied. GCE Gaya has signed MoU with 3 industries (Canum Allentech Solutions & Services Pvt. Ltd Bangalore, Vitti Research Foundation, Beltron Telecom Green Energy Systems Ltd., LNJPIT Chapra has signed MoUs with 2 companies (Polytropic Services and another with Brand Radiator) NCE Chandi has signed an MoU with 1 company (Pi Infocom Pvt Ltd)
		<ul style="list-style-type: none"> As the part of industry-institute interaction such as undergoing training, industry visits and so on, institutes can comply the short faculty visits (three to five days) to related industries/companies. 	All Institutes TEQIP	Noted and in process
		<ul style="list-style-type: none"> The chairperson instructed SPIU, Bihar to draft letters to arrange a meeting with the representatives of Bihar Industries Association (BIA) and other public sector companies, 	SPIU Bihar	An industry meet was held on 15 th February 2020 in which representatives from 40 different companies participated. The minutes of the meeting is attached as Annexure C.

Sr. No.	Item	Action	Responsibility	Action Taken
		locomotive industry, thermal power plants etc., with the purpose of arranging student internships and visits for faculty exposure.		
		<ul style="list-style-type: none"> The chairperson has instructed SPIU, Bihar to draft letter to arrange meeting with industries in the private sector, for exploring the possibility of MoU for student internships and possible placements, faculty visits and industry sponsored labs. 	SPIU Bihar	This action was complied during the industry meet held on 15 th February 2020.
		<ul style="list-style-type: none"> It is instructed that Gaya College of Engineering should take steps to finalize their industry partner for the intended collaboration with the institute. 	Principal, GCE Gaya	Noted and Complied. GCE, Gaya has signed MoU with the following: <ol style="list-style-type: none"> Canum Allentech Solutions & Services Pvt. Ltd Bangalore Vitti Research Foudantion Beltron Telecom Green Energy Systems Ltd.
Item No.2.3	Status of DLI#1-NBA Accreditation	<ul style="list-style-type: none"> The committee analyzed and noted that, M.I.T, Muzaffarpur needs one associate Professor to be appointed in CE department, four Assistant Professors in EE department to meet the criteria set by NBA, in order to successfully go through the accreditation process. The committee also instructed M.I.T to find out the number of faculty members required in IT 	Joint Director (Sc.) Principal, MIT Muzaffarpur	In process

Sr. No.	Item	Action	Responsibility	Action Taken
		department to meet NBA criteria.		
		<ul style="list-style-type: none"> It is suggested to Darbhanga College of Engineering that they conduct a self-assessment of Mechanical Engineering department keeping in purview the NBA accreditation process and NBA Team Visit. 	Principal & TEQIP Coordinator, DCE Darbhanga	In process.
		<ul style="list-style-type: none"> It is suggested that Bhagalpur College of Engineering should do a re-evaluation of the points of the departments concerned, based on the methods of criteria followed by NBA. 	Principal & TEQIP Coordinator, BCE Bhagalpur	In process.
		<ul style="list-style-type: none"> It is suggested to constitute a committee headed by Dr. Anant Kumar, Joint Director (Science) to identify and assess the elements of weakness (the weakness observed by NBA), and initiate the process to resolve them at respective institute level. It is also suggested to create a matrix of the weakness in each institute. 	Joint Director (Sc.)	In Process.
		<ul style="list-style-type: none"> The Chairperson instructed TEQIP colleges to conduct regular meetings in the institute to monitor the progress and functioning of 	All TEQIP Institutes	Complied. All colleges are holding regular BoG meetings every quarter and the minutes of the meeting are being posted on the institute website.

Sr. No.	Item	Action	Responsibility	Action Taken
		TEQIP, and publish the MoM for the same on the website of respective institutes.		
Item No.2.4	Status of DLI#2 – Institutional Autonomy	<ul style="list-style-type: none"> It was also suggested by the committee that the Senior Faculty and Principals can be hired on Contract or Deputation following AICTE guidelines. Dr. Anant, Joint Director (Science) was asked to prepare necessary paperwork for the same. 	Joint Director (Sc.)	In Process
Item No.2.5	Status of DLI#3 – Board of Governors	<ul style="list-style-type: none"> Institutes should take a note of the BoG members who have not been able to attend any of the BoG the meetings till date. The members who are nominated by the government and those nominated by DST, Bihar should be identified and the process of finding suitable replacements for them should be initiated. SPIU Bihar was asked to identify such members and forward the names to DST, Bihar. 	SPIU Bihar	Dr. Madan Kumar Jha, Professor (HAG), IIT Kharagpur, Member BoG, DCE Darbhanga never attended meetings physically but has attended the two online BoG meetings.
Item No.2.6	Status of DLI#4 – Exit Examination (GATE)	<ul style="list-style-type: none"> GATE Examination is one of the Disbursement linked indicators (DLIs) and it is mandatory for the institutes to train 70% of the final year students to achieve this DLI. At NCE, Chandi, only 52.1% final years students 	GCE Gaya NCE Chandi SPIU Bihar	Noted and Complied. NCE Chandi – 85.38% final year students took GATE training GCE Gaya – 70.75% final year students took GATE training

Sr. No.	Item	Action	Responsibility	Action Taken
		<p>and at GCE Gaya only 49.8% final year students are getting trained for GATE. The institutes were instructed to take steps to conduct a GATE crash course in January 2020 and enroll at least 70% students in that course. They were also asked to distribute the GATE training materials among them by the end of current week (21. 12. 2019), and send the report for the same to SSC through SPIU.</p>		
		<ul style="list-style-type: none"> The colleges were also instructed to conduct a Mock exam for GATE by the end of first week of January i.e. 10th January 2020. 	<p>All TEQIP Institutes</p>	<p>Noted and complied. All colleges conducted mock exam for GATE in December 2019 and January 2020.</p>
<p>Item No.2.7</p>	<p>Status of DLI#5 – Timeliness of Allocation, Utilization and Expenditure</p>	<ul style="list-style-type: none"> The SSC suggested that for non-TEQIP institutions, AKU has to plan the expenditure in academic and procurement sections and send the information to DST Bihar and SPIU Bihar 	<p>Dy. Registrar, AKU Patna</p>	<p>Complied. Attached as Annexure D.</p>
		<ul style="list-style-type: none"> SSC suggested that AKU should purchase subscriptions to online academic journals through the TEQIP funds and should give access to these online resources through E- 	<p>TEQIP Coordinator, AKU Patna</p>	<p>Noted by AKU Patna.</p>

Sr. No.	Item	Action	Responsibility	Action Taken
		library to all its affiliated colleges.		
		<ul style="list-style-type: none"> • AKU could also utilize TEQIP funds to cover the registration expenses for student internships for non-TEQIP institutes. 	TEQIP Coordinator, AKU Patna	Noted by AKU Patna
		<ul style="list-style-type: none"> • The chairperson suggested that a meeting TEQIP Coordinator, AKU, Program Manager, AKU and SPIU Bihar should hold a meeting and create the Academic and Procurement expenditure plan for AKU and submit the same to the office of the Principal Secretary at the earliest. 	SPIU Bihar, Program Manager & TEQIP Coordinator, AKU Patna	Complied. Attached as Annexure D.
Item No.2.8	AICTE mandate Implementation	<ul style="list-style-type: none"> • Create an academic standing committee for the purpose of revising the university curriculum under the guidance of Dr. Anant Kumar. • The standing committee should also monitor the creation of a standardized calendar for internal assessment in institutions. • The committee should monitor the process of providing the student trainings in communication skills. 	Joint Director (Sc.)	In Process
		<ul style="list-style-type: none"> • A combined Industry Consultation Committee (ICC) 	SPIU Bihar	A draft list of members has been prepared by SPIU which has been

Sr. No.	Item	Action	Responsibility	Action Taken
		should be created, and a file regarding the details of the ICC should be maintained.		brought in the SSC meeting as item 3.17.
		<ul style="list-style-type: none"> The committee has asked SPIU to provide the details of usage of SWAYAM Prabha courses in the 7 State Govt. Engineering Colleges of Bihar 	SPIU Bihar	The details about SWAYAM Prabha usage is attached at Annexure E
		<ul style="list-style-type: none"> The Chairperson, SSC instructed that there should be a practice to integrate the related topics from SWAYAM portal courses and SWAYAM Prabha links into the lesson plans created for various subjects in the syllabus. 	TEQIP Coordinators, All TEQIP Institutes	Noted and Complied.
		<ul style="list-style-type: none"> Upload the relevant SWAYAM portal courses and other MOOC course videos on the web sites of the institutes. 	TEQIP Coordinators, All institutes	Noted and being complied. MIT Muzaffarpur, GCE Gaya, BCE Bhagalpur, DCE Darbhanga, LNJPIT Chapra and NCE Chandi have uploaded on their websites
		<ul style="list-style-type: none"> The institutes were directed to upload the respective course files on their web sites for the students to access the teaching materials and related web links. 	All TEQIP Institutes	<ul style="list-style-type: none"> MIT Muzaffarpur and GCE Gaya have uploaded on the website NCE Chandi is using Google Classroom Its under process for LNJPIT Chapra, MCE Motihari, BCE Bhagalpur and DCE Darbhanga
		<ul style="list-style-type: none"> SSC has decided to write to AICTE to create a mandate for student internship programs that could run for three-to-four months at a stretch. 	Joint Director (Sc.)	In process
		<ul style="list-style-type: none"> The committee has suggested to communicate with AICTE regarding 	Joint Director (Sc.)	In process

Sr. No.	Item	Action	Responsibility	Action Taken
		obtaining the necessary assistance in the establishment of Tinkering Labs in institutes. If the establishment of the labs is not practical through AICTE, DST, Bihar would consider the process.		
		<ul style="list-style-type: none"> The SSC committee directed the institutes to create an alumni portal on the institute website and at the institute level for the purpose of maintaining the record and collaborating with alumni for the development of the institute. 	All institutes TEQIP	Alumni tab has been created on the institute website by MCE Motihari and MIT Muzaffarpur, NCE Chandī which has also created a whatsapp and facebook group.
Item No.2.9	ATU Mandate and the Status of TEQIP III Implementation by AKU, Patna	<ul style="list-style-type: none"> AKU has created an Audio-Visual studio which can be utilized for creating MOOC courses by the faculty of State Govt. Engineering Colleges of Bihar. The committee has asked SPIU, Bihar, to take up the responsibility to identify and request competent faculty members who could be willing to develop MOOC courses for the subjects given in the AKU syllabus. 	SPIU Bihar	Noted and complied. SPIU has sent information to all colleges and has asked for names of faculty who may be interested in creating MOOC courses. The names are awaited.
		<ul style="list-style-type: none"> The chairperson has suggested to provide quantitative feedback on all the 18 points listed in the agenda and discussed under the title Status of 	TEQIP Coordinator, AKU	Discussed in detail in the main agenda

Sr. No.	Item	Action	Responsibility	Action Taken
		Various TEQIP Activities for AKU.		
Item No.2.10	Performance Audit and Mentoring	<ul style="list-style-type: none"> The committee suggested SPIU Bihar to share all the related documents and reports with SSC. 	SPIU Bihar	Noted. The reports are attached as Annexure F
Item No.2.12	Equity Action Plan (EAP)	<ul style="list-style-type: none"> The committee suggested SPIU Bihar to maintain a standardized monthly reporting format for EAP and review it periodically. 	SPIU Bihar	Noted and complied. The report is attached as Annexure G
Item No.2.13	Environmental Management Framework (EMF)	<ul style="list-style-type: none"> The committee suggested SPIU to maintain a standardized monthly reporting format for EMF and review it periodically. 	SPIU Bihar	Noted and complied. The report is attached as Annexure H
Item No.2.15	Status of Workshops, Review Meetings Conducted by SPIU	<ul style="list-style-type: none"> The committee instructed SPIU, Bihar, to create a calendar of activities with the dates for all the future activities planned by SPIU. 	SPIU Bihar	Noted and complied. Discussed in detail in Item 3.14 in the 3 rd SSC agenda.
Item No.2.17	SPIU and State Intervention for Up Skilling Employability for Enhancing Placement	<ul style="list-style-type: none"> The committee suggested SPIU, Bihar to encourage the institutes to train the students in various skills by following proper service procurement rules and procedures. 	SPIU Bihar	Noted and in process.
Item No. 2.18	Status of Performance Benchmarks for 1.1 and 1.2 Institutions	<ul style="list-style-type: none"> Committee noted 	SPIU Bihar	Noted and Complied. Status of new Performance benchmarks attached as Annexure 10 & 11.
Item No. 2.19	Information given to SSC regarding Collaborative Research Scheme (CRS)	<ul style="list-style-type: none"> Committee noted 	SPIU Bihar	Not actionable

Sr. No.	Item	Action	Responsibility	Action Taken
	for TEQIP Faculty			
Item No. 2.20	Information given to SSC regarding Grievances of stakeholders vis –a-vis TEQIP-III in Bihar	<ul style="list-style-type: none"> • Committee noted 	SPIU Bihar	Not actionable
Item No.2.2 1	Information given to SSC regarding Procurement action plan with realistic timeline for achieving 100% procurement as per PLA by December, 2019 and total academic plan as per PLA for the project period (up to September, 2020)	<ul style="list-style-type: none"> • Committee noted 	SPIU Bihar	Not actionable

Agenda Items

Item No. 3.3	Status of DLI#1 – NBA Accreditation																																																	
<p>The Committee may note that 25% allocation is based on NBA Accreditation. In seven State Govt. Engineering colleges participating in TEQIP-III in Bihar, there are 31 eligible programs for NBA accreditation. Out of these 31 programs, the self-Assessment Report (SAR) has been uploaded for 27 programs. The target specified by NPIU till June 2019 was to upload SAR for 50% programs in each college. Bihar exceeded the target and uploaded 25 programs (80.65%) till June 2019.</p> <p>The upcoming NBA team visit dates were given for the following programs but was cancelled due to COVID-19</p>																																																		
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<p>Major Observations given by the team at NCE Chandi</p> <ul style="list-style-type: none"> Shortage of titles and its copies in the Central Library, no book bank, no digital library, no magazines 																																																		

- No details of laboratory experiments is evident in the lab
- Faculty is sitting in one room without any partition hence hindering academic discussion
- OBE awareness among stakeholders (students and faculty) is limited
- Success rate without backlog is poor
- Students project needs significant improvement
- The initiative related to industry -institute interaction is limited
- Data on placements, higher studies and entrepreneurship is not available
- No sponsored research/consultancy/project laboratory
- No additional faculty created in the assessment period
- Indirect method is not used to calculate attainment
- No Identification of curricular gap, post-identification action taken for bright/weak students is not evident

The status of NBA accreditation is placed as **Annexure 1**.

Action Required	The Committee may deliberate and decide
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Annexure 1

Status of NBA Accreditation

S.No.	Institution	Programs	Sfr	Professor	Associate Prof	Assistant Prof	Total Faculty	Requirement of Fac333ulty for NBA accreditation			All Clear	Status	Date of Team Visit given by NBA	Status of NBA Team Visit	Result Announced (Yes/No) - Accredited /Denied)
								Professor	Associate Prof	Assistant Prof					
1	BCE Bhagalpur	Mechanical	12	0	0	16	16	1	1			SAR Uploaded	20-22 March 2020		
2		ECE	15.25	0	1	7	8	1		Yes					
3		Electrical	18.22	0	1	8	10	1		Yes					
4		CSE	27.1	0	0	5	5	1	1						
5		Civil	8.46	0	0	12	12	1	1						
6	DCE Darbhanga	Mechanical	19.7	0	1	9	10	0	0	0	Yes	SAR Uploaded	Not given till now		
7		Electrical	15	0	0	13	13	0	1	0	Yes				
8		CSE	23.12	0	0	8	8	0	1	0	Yes				
9		Civil	20.1	0	1	9	10	0	0	0	Yes				
10	LNJPIT Chapra	Civil	22.33	0	1	11	12				Yes	SAR to be uploaded again before June 2020	Visit Completed on 6,7 and 8 September 2019	Not Accredited	
11		Mechanical	19.07	0	1	12	13				Yes			Not Accredited	
12		CSE	35.5	0	0	6	6								
13		EEE	23.36	0	0	9	9				Yes			SAR Uploaded	Not given till now

14	MCE Motihari	Electrical and Electronics	13	1	0	11	12	1	2	0	Yes	SAR Uploaded	April 3-5, 2020*	*Official mail from NBA is still awaited	
15		Civil	15	0	0	10	10	1	2	2			link not open		
16		CSE	15	0	0	10	10	1	2	2			link not open		
17		Mechanical	13	0	2	9	11	1	0	1	Yes		April 3-5, 2020*	*Official mail from NBA is still awaited	
18	MIT Muzaffarpur	Civil	12.5	0	2	16	18	1	-	-	yes	SAR Uploaded	27-29/3/20		
19		EE	37.5	0	1	5	6	1	-	3					
20		IT	50	0	0	3	3	1	1	3					
21		Mech	18.3	0	1	14	15	1	-	-	yes				
22		ECE	18.75	0	0	8	8	1	1	-					
23		Leather Technology	12	0	0	4	4	1	1	-				Not given till now	
24	NCE Chandi	EEE	20	0	1	9	9				Yes	SAR Uploaded	30 Aug - 1-2 Sep 2019	Visit Completed on 30 Aug, 1 and 2 September 2019	Not Accredited
25		CSE	25.7	0	0	8	8							Not Accredited	
26		Civil	20	0	0	9	9								

27		Mechanical	20	0	0	9	9						Not given till now			
28	GCE Gaya	CSE	-----	0	0	6	6					not yet				
29		EEE	-----	0	0	8	8					not yet				
30		Mechanical	153.85	0	0	7	7									
31		Civil	-----	1	0	10	10					SAR Uploaded	Not given till now			

Item No. 3.4	Status of DLI#2 – Institutional Autonomy
<p>Fund allocation against this DLI is 18%.</p> <p>NPIU has a target of 55% for autonomy which means that the 55% of the institutes all over India should file for Autonomy by September 2020. Total institutes participating in TEQIP-III in India are 174. NPIU has not specified a target for Bihar for this DLI. NPIU asked to suggest a name which could be a potential institute for autonomy in the future and MIT Muzaffarpur's name was conveyed.</p> <p><i>The Committee may note that the requirement of at least 03 programme Accredited/SAR upload to enable the institutions to apply for UGC Autonomy is mandatory.</i> For Bihar none of the programmes in any institution have been accredited so far.</p>	
Action Required	The Committee may deliberate
Item No. 3.5	Status of DLI#3 – Board of Governors
<ul style="list-style-type: none"> • Fund allocation against this DLI is 14% of PLA (1.4 Crore for non-autonomous and 2.1 Crore for Autonomous {UGC/MHRD} institutions) distributed over three years (4%, 5% and 5% for 2017-18, 2018-19, 2019-20 respectively) • The notification of BoG with three Hnb'l CM nominated members was done by DST Bihar on 16-10-2017. The second notification with 10 members and a full BoG composition was done on 24-11-2017. BoG Notification is attached at Page 180. • In the year 2017 and 2018, there were some colleges where the BoG meetings could not be held in one quarter, but after July 2018, all colleges regularly held the BoG meetings. The details are placed as Annexure-2. 	
Action Required	The Committee may deliberate

Annexure-2

Status of Board of Governors Meetings

Name of the Institute	Date of constitution of BoG	Date of BoG meetings held between October 2017 till date												No. of meetings till date for which BoG MoM uploaded on Website
		Quarter-3 (Oct-Dec 2017)	Quarter-4 (Jan-Mar 2018)	Quarter-5 (Apr-Jun 2018)	Quarter-6 (Jul-Sep 2018)	Quarter-7 (Oct-Dec 2018)	Quarter-8 (Jan-Mar 2019)	Quarter-9 (Apr-Jun 2019)	Quarter-10 (Jul-Sep 2019)	Quarter-11 (Oct-Dec 2019)	Quarter-12 (Jan-Mar 2020)	Quarter-13 (April-June 2020)	Quarter-14 (July-Sep 2020)	
BCE Bhagalpur	16-10-2017 (First DST Notification of BoG with CM nominated members)	-	06-02-18	14-04-2018	11-08-2018	24-12-18	28-02-2019	04-06-2019	21.08.2019	03-10-2019	19-02-2020	17-06-2020	09-09-2020	8
DCE Darbhanga	24.11.2017 (Second DST Notification with Full BoG Composition)	29-11-2017	28-03-18	-	18-09-2018	15-12-18	28-03-2019	22-06-2019	27-08-2019	27-09-2019	24-02-2020	16-06-2020	08-09-2020	8
GCE Gaya		18-11-2017	10-02-18	02-06-2018	01-09-2018	08-12-2018	09-03-2019	19-06-2019	29.08.2019	07.12.2019	07.03.2020	06.06.2020	19-09-2020	9
LNJPIT Chapra		13-12-2017	20-03-18	-	26-07-2018	08-12-2018	10-01-2019, 16-03-2019	09-05-2019	27.08.2019	25.11.2019	21.03.2020	13-06-2020	07-09-2020	9
MCE Motihari		05-12-2017	12-03-18	-	09-07-2018	24-11-2018	07-01-2019	01-06-2019	9.09.2019	7.12.19	22-03-2020	20.06.2020	05-09-2020	8
MIT Muzaffarpur		20-12-2017	12-02-18	19-05-2018	29-09-2018	11-12-2018	11-3-2019	07-06-2019	24-08-2019	10.12.19	28-02-2020	17-06-2020	24-08-2020	9
NCE Chandi		05-12-2017	-	26-05-2018	24-09-2018	12-12-2018	21-01-2019	04-05-2019, 26-06-2019	18-09-19	11-11-2019	27-03-2020	20.06.2020	13-08-2020	9
AKU Patna		15.03.2017	-	08-02-2018, 09-03-18	-	-	13-10-18	07-02-2019, 12-03-2019	12-06-2019	08.08.2019	21-10-2019	25-03-2020		

Item No. 3.6	Status of DLI#4 – Exit Examination (GATE)					
<ul style="list-style-type: none"> Exit Examination" is one of Disbursement Linked Indicators (DLIs). Disbursements against this DLI during the project is 15%. The target specified by NPIU is to enrol 100% of final year students for training in each of the institutes participating in TEQIP-III. However, to satisfy this DLI, at least 70% of final year students should be enrolled in the GATE training program. Students of 6 colleges out of 7 conducted GATE training through the Service providers empanelled by NPIU second year in succession. Only MIT Muzaffarpur conducted the GATE training through internal faculty members. In Academic Year 2020-21, all colleges conducted GATE training through Internal Faculty members and experts from IITs and NITs 						
GATE Training Details for GATE 2020						
S.No.	Name of institute	Name of the Service Provider	Fees/ Student (INR)	Total no. of Final year students	No. of 4th year students trained by GATE Service Provider/Internal Faculty	% final year students trained
1	BCE Bhagalpur	The GATE Academy	29749	261	179	72.6
2	DCE Darbhanga	GATE FORUM	36000	136	117	76.30
3	GCE Gaya	The GATE Academy	24995	261	222	70.75
4	LNJPIT Chapra	The GATE Academy	21640	212	154	71.16
5	MCE Motihari	Internal Faculty	NA	303	230	86.03
6	MIT Muzaffarpur	The GATE Coach	25300	270	206	75.9
7	NCE Chandi	Engineers Academy	37760	267	190	85.38
Total				1701	1298	76.3%
<ul style="list-style-type: none"> In all the institutes a pre-assessment test was held in August 2019 and a mock test was held in December 2019 or January 2020. 						

- In most colleges the number of students who appeared in the Pre-assessment test and mock test was very poor. Also, different group of students appeared for the pre-and post-assessment tests hence the impact of training was inconclusive. The results of GATE 2020 are to be declared on 20th March 2020. The status is as follows:

S.No.	Name of institute	No. of students who appeared in test	
		Pre-assessment	Mock Test
1	BCE Bhagalpur	12	36
2	DCE Darbhanga	119	12
3	GCE Gaya	50	31
4	LNJPIT Chapra	34	34
5	MCE Motihari	73	80
6	MIT Muzaffarpur	157	110
7	NCE Chandi	50	58

- It was observed by the colleges that despite of training by external agency, there was no substantial improvement in the GATE results. Hence, it was decided that the training for GATE 2021 would be conducted through internal faculty and external experts in the online mode.

The status of GATE results in 2018, 2019 and 2020 is listed in **Annexure 3**. A State-wise comparison of GATE results in 2018 and 2019 is listed in **Annexure 4**.

Action Required	The Committee may deliberate and decide
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GATE Results in 2018 and 2019

Sr. No.	Name of Institute	GATE 2018	GATE 2019	GATE 2020
1	BCE Bhagalpur	40.15	45.86	29.09
2	DCE Darbhanga	22.22	10.94	11.11
3	GCE Gaya	35.1	17.2	12.3
4	LNJPIT Chapra	20.5	11.2	16.78
5	MCE Motihari	17.7	9.1	20.18
6	MIT Muzaffarpur	42.3	37.9	33.03
7	NCE Chandi	33.3	27.6	10.09
	State Total	30	22.82	18.94

State Wise Comparison of GATE result						
	GATE 2019			GATE 2018		
States	Appeared	Qualified	Qualified %	Appeared	Qualified	Qualified %
A&N	35	1	3%			
Assam	603	49	8%	903	38	4%
Bihar	1251	255	20%	721	328	45%
CFTI	978	398	41%	1249	236	19%
Chattisgarh	656	85	13%	735	70	10%
HP	529	42	8%	477	19	4%
J&K	835	72	9%	496	90	18%
Jharkhand	1107	251	23%	1320	281	21%
MP	1815	679	37%	1900	646	34%
Odisha	2002	239	12%	1715	408	24%
Rajasthan	1591	230	14%	2950	532	18%
Tripura	136	3	2%	238	3	1%
UK	1214	219	18%	1143	137	12%
UP	2046	886	43%	2435	867	36%

Item No. 3.7	Status of DLI#5 – Timelines of allocations, utilization and expenditure
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- The total Project Life Allocation (PLA) for 7 Institutions and 01 ATU in Bihar was **Rs. 90 Crores.**
- **Each institution** was allocated Rs. 10 crores out of which
 - 60% i.e. Rs. 6 crores were for procurement,
 - 30% i.e. Rs. 3 crores were for Academic expenditure and remaining
 - 10 % i.e. Rs. 1 crore was for Incremental Operating Cost (IOC).
- **AKU Patna** was allocated Rs. 20 crores out of which
 - 40% i.e. Rs. 8 crores were for procurement,
 - 50% i.e. Rs. 10 crores were for Academic expenditure and remaining
 - 10 % i.e. Rs. 2 crores was for Incremental Operating Cost (IOC).

Details of Project Life Allocation to institutions under subcomponent 1.1, 1.2, 1.3 (Rs. In Cr.)					
Sr. No.	Type of Institution	Procurement Allocation	Academic Allocation	Incremental Operating Cost (IOC)	Project Life Allocation (PLA)
1	1.1 Focus Institutes	6	3	1	10
2	1.2 ATUs	8	10	2	20
3	1.3 Institutes (Mentors)	3.5	2.8	0.7	7
4	1.3 ATUs (Mentors)	2.8	3.5	0.7	7

Performance Benchmarks, Additional Allocation and Curtailment

- Performance Benchmark – 1: To be satisfied by 30th July 2019 - Target expenditure – 60%
 - In the first stage, all institutions who spend 60% of their Project Life Allocation (PLA) [Rs. 10 crores for colleges and Rs. 20 crores for AKU] by 30th July 2019 received an additional funding of 10%. In all states only 13 institutions made it to the list of high performing institutions, out of two institutions were from Bihar, MIT Muzaffarpur and LNJPIT Chapra. Both received additional funds of Rs. 1 crore and the revised PLA became Rs. 11 crores. AKU faced a curtailment of Rs. 10% and hence its PLA was reduced to Rs. 18 cores
- Performance Benchmark-2: To be satisfied by 10th September 2019 - Target expenditure – 45% to become well performing and 65% to become high performing
 - In the second stage, NPIU informed that the colleges/ATUs who spent 45% of total PLA and satisfy 4 out of 6 benchmarks by 10th September 2019 will be marked as well performing institutions and the ones that spend 65% and satisfy 5 out of 8 performance benchmarks will be marked as high performing institution and will receive an additional fund of 10% again.

In Bihar all 7 institutions qualified as well performing and did not face any curtailment. Additionally, 4 colleges, MIT Muzaffarpur, LNJPIT Chapra, NCE Chandi and GCE Gaya spent 65% or more and also satisfied all the necessary benchmarks. These four colleges received additional 10% funds. However, AKU could only satisfy 3 instead of 5 out of total 9 benchmarks and hence faced another curtailment of 10% funds and its PLA was reduced to Rs. 16.2 crores.

- Performance Benchmark-3: Was to be satisfied by 30th July 2020 - Target expenditure – 75%
 - Four institutes were able to satisfy the benchmarks by 30th July 2020. MIT Muzaffarpur, BCE Bhagalpur, DCE Darbhanga, NCE Chandi.
- Performance Benchmark-4: Was to be satisfied by 30th September 2020 – Target expenditure – 85%
 - Four institutes were able to satisfy all benchmarks by September 2020 - MIT Muzaffarpur, BCE Bhagalpur, GCE Gaya, DCE Darbhanga
- Hence the revised project life allocation for Bihar is now Rs. 92.4 crores. The details are as follows:

Sl. No.	Name of the Institute	Initial Project Life Allocation (PLA) in Rs. Crores	Additional Allocation in August 2019 in Rs. Crore	Additional Allocation in August 2020 in Rs. Crore	Curtailment of fund - Amount and MM/YY	Revised PLA in Rs. Crores
1	BCE Bhagalpur	10				10
2	DCE Darbhanga	10				10
3	GCE Gaya	10		1		11
4	LNJPIT Chapra	10	1	1.1		12.1
5	MCE Motihari	10				10
6	MIT Muzaffarpur	10	1	1.1		12.1
7	NCE Chandi	10		1		11
	All Colleges	70				76.2
8	Aryabhata Knowledge University, Bihar (ATU)	20			Rs. 2 cr. in Aug & Rs 1.8 cr in oct-2019 - Total Rs. 3.8 cr	16.2
	Total	90	2	4.2	-3.8	92.4

- The expenditures incurred in financial years 2017-18, 2018-19 and 2019-20 are as follows:

Sr. No.	Financial Year 2017-18	Financial Year 2018-19	Financial Year 2019-20	Financial Year 2020-21	Total in Rs. Crores
Focus institutes	1.21 crores	17.33 crores	32.26 crores	16.44 crores	67.24
AKU, Patna	.0084 crores	.78 crores	7.35 crore	1.6716 crore	9.81
				Total	77.05
SPIU Bihar	NIL	0.41 crores	0.36 crores	.63 crore	1.40 crores

- The details of allocations and expenditure is listed in **Annexure – 5**
- **The target for expenditure specified by NPIU is to complete the procurement expenditure by 15th March 2021. The last date for issuing purchase orders is 31st January 2020.**
- The details of allocations and expenditure in different quarters of 2017-18, 2018-19 and 2019-20 is given in **Annexure 6**.
- **The items purchased by all colleges through the procurement allocation is attached as Annexure I.**

Action Required

The Committee may deliberate

Annexure 5

Overall Expenditure Status of Colleges & AKU

Sl. No.	Name of the Institute	31/12/20 Expenditure Status (in Rs Crore)									
		Initial Project Life Allocation (PLA) in Rs. Crores	Revised Project Life Allocation (PLA) in Rs. Crores	Curtailment of fund - Amount and MM/YY	Revised Project Life Allocation (PLA) in Rs. Crores	Procurement	Academic	IOC	Total	Balance Funds	Percentage
1	BCE Bhagalpur	10	10.0		10.0	6.25	2.48	0.61	9.35	0.65	93.46
2	DCE Darbhanga	10	10.0		10.0	6.00	2.57	0.60	9.17	0.83	91.73
3	GCE Gaya	10	11.0		11.0	6.60	3.13	0.89	10.61	0.39	96.44
4	LNJPIT Chapra	10	12.1		12.1	6.53	2.46	0.97	9.95	2.15	82.27
5	MCE Motihari	10	10.0		10.0	5.84	1.71	0.66	8.21	1.79	82.15
6	MIT Muzaffarpur	10	12.1		12.1	6.75	3.24	0.98	10.97	1.13	90.64
7	NCE Chandi	10	11.0		11.0	5.78	2.57	0.62	8.97	2.03	81.56
	All Colleges	70	76.2		76.2	43.75	18.15	5.34	67.24	8.96	88.24
8	Aryabhata Knowledge University, Bihar (ATU)	20	16.2	Rs. 2 cr. in Aug & Rs 1.8 cr in oct-2019 - Total Rs. 3.8 cr	16.2	5.88	2.93	1.00	9.81	6.39	60.58
	Total	90	92.4		92.40	49.63	21.08	6.34	77.05	15.35	83.39

Academic Expenditure Status

Sl. No.	Name of the Institute	31/12/20 Expenditure Status (in Rs Crore)							
		Initial Project Life Allocation (PLA) in Rs. Crores	Revised Project Life Allocation (PLA) in Rs. Crores	Additional Allocation of funds - Amount & MM/YY	Curtailment of fund - Amount and MM/YY	Procurement Allocation	Procurement Exp	Balance Amount	Percentage
1	BCE Bhagalpur	10	10.0			6.25	6.25	0.00	100.00
2	DCE Darbhanga	10	10.0			6.00	6.00	0.00	99.93
3	GCE Gaya	10	11.0			6.60	6.60	0.00	99.93
4	LNJPIT Chapra	10	12.1	1cr. In Aug-2019 &		7.26	6.53	0.73	89.92
5	MCE Motihari	10	10.0			6.00	5.84	0.16	97.33
6	MIT Muzaffarpur	10	12.1	1cr. In Aug-2019		7.26	6.75	0.51	93.02
7	NCE Chandi	10	11.0			6.60	5.78	0.82	87.60
	All Colleges	70	76.2			45.97	43.75	2.23	95.16
8	Aryabhata Knowledge University, Bihar (ATU)	20	16.2		Rs. 2 cr. in Aug & Rs 1.8 cr in oct-2019 - Total Rs. 3.8 cr	6.48	5.88	0.60	90.74
	Total	90	92.4			52.45	49.63	2.83	94.61

Procurement Expenditure Status

Sl. No.	Name of the Institute	31/12/20 Expenditure Status (in Rs Crore)						
		Initial Project Life Allocation (PLA) in Rs. Crores	Revised Project Life Allocation (PLA) in Rs. Crores	Curtailment of fund - Amount and MM/YY	Academic Allocation	Academic Balances	Percentage (%)	
1	BCE Bhagalpur	10	10.0		3.00	2.48	0.52	82.73
2	DCE Darbhanga	10	10.0		3.00	2.57	0.43	85.74
3	GCE Gaya	10	11.0		3.30	3.13	0.17	94.73
4	LNJPIT Chapra	10	12.1		3.63	2.46	1.17	67.68
5	MCE Motihari	10	10.0		3.00	1.71	1.29	57.00
6	MIT Muzaffarpur	10	12.1		3.63	3.24	0.39	89.23
7	NCE Chandi	10	11.0		3.30	2.57	0.73	77.77
	All Colleges	70	76.2		22.86	18.15	4.71	79.41
8	Aryabhatt Knowledge University, Bihar (ATU)	20	16.2	Rs. 2 cr. in Aug & Rs 1.8 cr in oct-2019 - Total Rs. 3.8 cr	8.10	2.93	5.17	36.17
	Total	90	92.4		30.96	21.08	9.88	68.10

Annexure-6

TABLE – EXPENDITURE FOR THE FINANCIAL YEAR 2017-18, 2018-19 , 2019-20 & 20-21 (As on 31.12.2020)
(Fig In Cr.)

S r.	Name of the institute/ ATU	Project Life Allocation	2017-18			2018-19			2019-20			2020-21			
			Allocation for IIIrd & IVth Quarter (2017-18)	Expenditure IIIrd & IVth Quarter (2017-18)	% Expenditure	Allocation for I, II, IIIrd & IVth Quarters (2018-19)	Expenditure I, II, IIIrd & IVth Quarters (2018-19)	% Expenditure	Allocation for I, II, IIIrd & IVth Quarters (2019-20)	Expenditure I, II, IIIrd & IVth Quarters (2019-20)	% Expenditure	Allocation for I, II&III Quarters (2020-21)	Expenditure I,II& III Quarters (2020-21)	Total % Expenditure till date	Total Expenditure till 31th Dec, 2020
1	BCE, Bhagalpur	10.0	2.37	0.16	6.8	6.03	1.28	21.2	7.58	7.01	92.48	1.65	0.9	93.46	9.35
2	DCE, Darbhanga	10.0	1.4	0.13	9.3	5.32	2.03	38.2	9.9	6.49	65.56	1.85	0.52	91.73	9.17
3	GCE,Gaya	11.0	1.83	0.47	25.7	5.8	2.81	48.4	7.59	5.08	66.93	6.84	2.25	96.44	10.61
4	LNJPIT , Chapra	12.1	0.77	0.08	10.4	6.38	2.89	45.3	8.24	5.23	63.47	1.96	1.75	82.27	9.95
5	MCE, Motihari	10.0	1.12	0.11	9.8	5.35	1.6	29.9	8.68	6.013	69.27	2.19	0.487	82.15	8.21
6	MIT,Muzaffarpur	12.1	3.32	0.18	5.4	6.81	3.4	49.9	8.32	6.29	75.60	1.54	1.1	90.64	10.97
7	NCE,Nalanda	11.0	1.76	0.06	3.4	5.92	2.73	46.1	8.68	5.31	61.18	1.43	0.87	81.56	8.97
8	AKU,Patna	16.2	6	0.08	1.3	9.22	0.51	5.5	19.58	7.35	37.54	3.61	1.87	60.58	9.81

Item No. 3.8	AICTE Mandate implementation			
The Committee has already noted that to improve teaching and learning, it is important to implement AICTE mandates in institutions.				
<p>i. Induction Program – Induction program was conducted by all 7 colleges in October 2019.</p> <p>ii. Mandatory Internship – As per revised AKU syllabus, internship of all branches is to be conducted for 2nd, 4th, and 6th Semester in the Summer. SPIU has requested all institutes for the Internship plan during Summer. In 2019, MIT Muzaffarpur conducted internship for 1st and 2nd semester students as per the revised syllabus based on AICTE model curriculum.</p> <p>iii. Curriculum Revision through Industry Consultation Committee (ICC) – This activity has not been taken up by colleges.</p> <p>iv. AICTE Model Curriculum: The model curriculum of AICTE has been adopted in all project institutions as AKU has revised the syllabus of all years of UG and PG degree in Engineering.</p> <p>v. Examination reforms: The reforms need to be taken up urgently. SPIU plans to conduct a national level workshop on Examination Reforms with experts from Regulatory bodies, academics and Industry.</p> <p>vi. MOOCs/SWAYAM/SWAYAM Prabha: As per new AKU Syllabus, students from 3rd semester onwards have to take MOOC courses. The details of MOOC Courses to be taken by various branches are listed in Annexure 7a. Following table shows the total students registered on SWAYAM college-wise/Branch-wise and no. of students who were certified.</p>				
Sl. No.	Name of the Institute	Total No. of students	No. of students registered on SWAYAM Portal	No. of Students Certified in SWAYAM Courses
1	BCE Bhagalpur	CE	83	71
		ME	60	58
		EE	28	40
		CSE	12	15
		ECE	121	69
Total			304	253
2	DCE Darbhanga	CE	78	3
		ME	68	2
		EEE	60	30
		CSE	10	10
Total			216	45
3	GCE Gaya	CE	26	18

		ME	21	12
		EEE	48	20
		CSE	23	13
		Total	118	63
4	LNJPIT Chapra	CE	174	91
		ME	158	93
		EEE	159	69
		CSE	113	41
		Total	604	294
5	MCE Motihari	CE	145	47
		ME	148	5
		EEE	190	19
		CSE	100	11
		Total	583	82
6	MIT Muzaffarpur	CE	169	78
		ME	225	99
		EEE	207	57
		IT	151	80
		Pharmacy	5	0
		ECE	147	64
		LT	22	5
		Total	926	383
7	NCE Chandi	CE	161	61
		ME	117	56
		EEE	205	67
		CSE	249	63
		Total	732	247
	All Colleges		3483	1367

- vii. **Industry Readiness:** Internship have been made compulsory as per guidelines of AICTE and have been implemented by all Project Institutions.
- All institutions have a functional Training and Placement cell and are conducting placement drives. *Efforts are been made at SPIU level for enhancing Employability Skill of Engineering graduates by guiding the*

institutions to arrange various communication skills and programming skills training programs and proactive industry institute interface as well as for facilitating internship and placement.

viii. **Start-Up/Entrepreneurship and Innovation:** The Committee had approved the various activities by SPIU-Bihar is striving to create an ecosystem for Entrepreneurship Development. Following steps are being taken:

- SPIU till date has conducted two workshops on Intellectual Property Rights (IPR) and innovation. There are 10 ideas from MIT Muzaffarpur and GCE Gaya that are patentable and the patents may be filed in near future
- A tinkering lab is being set-up by NPIU at all institutions participating in TEQIP-III
- Hackathons have been organized by all institutes and SPIU. The institutes have been asked to file patents for the selected ideas

Action Required	The Committee may deliberate
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Annexure 7a

Details of MOOC Courses to be completed in various branches of Engineering

1. Civil Engineering - MOOC Courses

Sl. No.	Semester	Category	Type of Course	Course Code	Course Title	Area of Selection	Duration	Hrs./Week L: T: P	Credits
1	IV	Humanities (Certificate Course)	Open Elective courses	OEEL-CM301	Open Elective-I (Humanities) MOOC	Humanities courses available on SWAYAM portal	At least 4 weeks	2:0:0	2
2	VI	Engineering (Certificate Course)	Open Elective courses	OEEL-CM302	Open Elective-II MOOC	Any courses other than Civil Engineering courses	At least 4 weeks	2:0:0	2
3	VIII	Engineering (Certificate Course)	Open Elective courses	OEEL-CM404	Open Elective-IV (MOOC)	Any courses other than Civil Engineering courses	At least 4 weeks	2:0:0	2
Total credits									6

TOTAL MOOC CREDITS = 2 (4th Sem) +2 (6th Sem) +2 (8th Sem) = 6

2. Electrical & Electronics Engineering – MOOC Courses

Sr. No.	Semester	Type of Course	Course Code	Course Title	Category	Area of Selection	Duration (min.)	Hrs./Week L: T: P	Credits
1	III	Open Elective	MOOC-EEE 01	Certified Courses from MOOCs / SWAYAM / NPTEL Courses - 1	Humanities/ Science (Certificate Course)	Any subject from Humanities or Science	8 weeks	2:0:0	02
2	V	Open Elective	MOOC-EEE 02	Certified Courses from MOOCs / SWAYAM / NPTEL Courses - 2	Engineering (Certificate Course)	Any Engineering other than EEE	8 weeks	2:0:0	02
3	VII	Open Elective	MOOC-EEE 03	Certified Courses from MOOCs / SWAYAM / NPTEL Courses - 3	Engineering (Certificate Course)	Any Engineering other than EEE	8 weeks	2:0:0	02
Total Credits									06

3. Computer Science & Engineering – MOOC Courses

Sl. No	Semester	Type of Course	Code No.	Course Title	Category	Area of Selection	Duration	Hrs. /Week L: T: P	Total Credits
1	V	Open Elective	MOOC CS 501	MOOCs / SWAYAM / NPTEL etc. Courses - 1	Engineering (Certificate Course)	Any Course in CSE domain	8 weeks	3:0:0	3
2	VII	Open Elective	MOOC CS 701	MOOCs / SWAYAM / NPTEL etc. Courses - 2	Engineering (Certificate Course)	Any Engineering course	8 weeks	3:0:0	3
Total credits									6

4. Electronics & Communications Engineering – MOOC Course

S. No.	Semester	Type of Course	Course Code	Course Title	Category	Area of Selection	Duration (min.)	Hrs. /Week L: T: P	Credits
1	IV	Open Elective	OE101	MOOC/ SWAYAM Courses	Humanities (Certificate Course)	Any subject from Humanities or Science	6 weeks	2:0:0	2
2	VI	Open Elective	OE102	MOOC/ SWAYAM Courses	Engineering (Certificate Course)	Any Engineering other than ECE	6 weeks	2:0:0	2
3	VII	Open Elective	OE103	MOOC/ SWAYAM Courses	Engineering (Certificate Course)	Any Engineering other than ECE	6 weeks	2:0:0	2
Total credits									6

5. Mechanical Engineering _ MOOC Courses

S.N.	Semester	Type of Course	Course Code	Course Title	Category	Area of Selection	Duration	Hrs. /Week L: T: P	Credits
1	IV	Elective	MOOCs-I	MOOC Course-I	Any Engineering	Mechanical Engineering (Certificate Course)	8 Week	2:0:0	2
2	V	Open Elective	HMC MOOCs-II (Open Elective-I)	MOOC Course-II	Humanities and Social Sciences	Humanities and Social Sciences (Certificate Course)	12 Week	2:0:0	3
3	VIII	Open Elective	OEC-ME MOOCs-III	MOOC Course-III	Any Engineering	Any Engineering Discipline	12 Week	2:0:0	3

			(Open Elective-V)			(Certificate Course)			
Total credits									8

6. Information Technology_MOOC Courses

Sl. No	Semester	Type of course	Code No.	Course Title	Category	Area	Duration (min.)	Hrs./Week L: T: P	Total Credits
1	VI	Open Elective	MOOC IT 601	MOOCs / SWAYAM / NPTEL etc. Courses - 1	Any Engineering	Any course other than IT	6 weeks	3:0:0	3
2	VIII	Open Elective	MOOC IT 801	MOOCs / SWAYAM / NPTEL etc. Courses - 2	Any Engineering	Any course other than IT	6 weeks	3:0:0 0	3
Total Credits									6

7. Electrical Engineering – MOOC Course

Sl. No	Semester	Category	Code No.	Course Title	Category	Area	Hrs./Week L: T: P	Credits
1	V	Open Elective	OEC-EE01	OE-1(MOOC)	Any Engineering	Any Course other than Electrical Engineering	3:0:0	3
2	VI	Open Elective	OEC-EE02	OE-2(MOOC)	Any Engineering	Any Course other than Electrical Engineering	3:0:0 0	3
Total Credits								6

Item No. 3.9	ATU Mandate & Status of TEQIP-III Implementation by Aryabhata Knowledge University, Patna
<ul style="list-style-type: none"> • Participation of ATUs in TEQIP-III is mainly to widen the impact of the project by spreading quality reforms envisaged in the project to the affiliated institutions including Private unaided institutions. Aryabhata Knowledge University, Patna, is taking various initiatives for the implementation of ATU Mandate as required by TEQIP-III. The status of various TEQIP activities of AKU is explained in Annexure 7 • Expenditure status of AKU - The initial Project Life Allocation (PLA) for AKU was Rs. 20 Crores. The procurement expenditure target for AKU was to spend 45% by 30th August 2019. However, AKU could only spend 20.3% by 22nd September 2019, hence there was a curtailment of 10% in PLA for AKU, Patna and further when they could not satisfy at least 5 benchmarks out of 8 by 30th September 2019, there was another curtailment of 10%. Hence, the revised allocation of AKU is Rs. 16.2 cores. Total expenditure achieved by AKU as on 31.12.2020 is Rs. 9.81 Crores which is 60.58%. <p>Total expenditure on Academic activities – Rs. 2.93 Crores Total expenditure on Procurement – Rs. 5.89 Crores Total incremental operating cost – Rs. 1 crore</p> <p>Total expenditure incurred by AKU till 30.09.2020 is Rs. 9.81 Crores out of the allocated amount of Rs. 16.2 Crores.</p>	
Action Required	The Committee may deliberate

Annexure 7

Status of various TEQIP activities of AKU

Sr. No.	Activity	Status as on 05.10.2020
1	Establishment Research Hub utilized by Faculty and PhD students of affiliated institutions:	Research Hub at AKU was inaugurated on 29/08/2019 Several software such as MATLAB, ANSYS, PROTEUS STAAD PRO, ERDAS IMAGINE, GIS etc have been procured, to facilitate learning and research activities of the faculty and students of affiliated engineering colleges. Procurement of research equipment, UV-VIS Spectrophotometer, Water distillation unit was completed through GeM.
2	Development of Management Information System (MIS) capable of capturing the information on Faculty and students of affiliated institutions	Due to over budgeting Tender of MIS was cancelled. Retendering of MIS is under process.
3	Accreditation of eligible programs of affiliated institutions by NBA	Not done yet
4	Promoting applications for Autonomy by UGC	No application received till date
5	Curriculum Revision	Curriculum revision of courses of 1 - 8 semesters has been done and uploaded university website.
6	Exam Reforms	
	a) Steps taken for ensuring Continuous evaluation system	Online EMS (Exam Management System) Implemented.
	b) Timely results (before start of next semester)	Centralized evaluation system implemented.
	C) Examination reforms (outcome based question paper)	In process
7	Faculty Development Programs for the faculty of affiliated institutions through SWAYAM portal	Yes Implemented (707 Faculties from non-teqip colleges has been registered in Swayam Portal)
8	Different programs for improving employability of students of affiliated institutions and testing employability every year.	AMCAT test of students from 1st to 4th (of 12 affiliated colleges) has been done, regular pool campuses and placement drives are being organized

9	Recording Video Lectures through the MOOC studio set-up by AKU	Visual Studio for recording of Lectures has been set up at AKU
10	Collaborative Research Grant Program	57 proposals are being funded through CRS at AKU (42 Lacs advance paid to the PIs till date)
11	Status of Implementation of Equity Action Plan (EAP)	Implemented
12	Status of Implementation of Environmental Management Framework (EMF)	Plan for the activities to be done under EMF has been circulated in all affiliated engineering colleges
13	Induction Program (To be put in university calendar)	Activities has been already done by NITTTR, Bhopal & Kolkata (Program yet to be put in the university calendar)
14	Steps taken for encouraging Start-up activities	Startup activities are being conducted and plan of action is being prepared
15	Mandatory Internship	Has been made part of curriculum
16	Industry readiness	Workshops are being organized by nominated Training and Placement Coordinators and Employability Coordinators. Employability Skills Training for 3rd year students has already been conducted.
17	SWAYAM/SWAYAM Prabha - Workshops and direction to colleges for implementing the same	Affiliated colleges have been encouraged to implement the same

Item No. 3.10	Performance Audit and Mentoring				
<p>NPIU has a system of Performance auditing and mentoring of institutes participating in TEQIP-III. A single performance auditor and mentor has been assigned to each institute. The Performance Auditing is done once a year during 1st July to 31st August and the mentoring is done twice a year during September- October and May-June.</p>					
<p>The 2nd round of Performance Audits has been conducted during 1st July to 31st August 2019 for all the 1.1, 1.2 and 1.3 Institutes of Bihar. However, the audit has not been conducted this year due to COVID-19. The Audit was conducted on seven main areas namely</p>					
<ol style="list-style-type: none"> 1. Effectiveness of fund utilization 2. Improvement in Teaching, Learning and Research 3. Implementation of AICTE Mandates 4. Increasing faculty productivity and motivation 5. Effectiveness of equity at institutional level 6. Improved system efficiency 7. Twinning activities 					
<p>The performance audit report has been received and a comparison of the last two performance audits indicates that there has been appreciable improvement in terms of performance audit score as well as twinning score which has been possible because of extensive efforts by DST Bihar, SPIU and the institutions. In performance audit,</p>					
<p>1 is the highest score - Substantial evidence (75% or more) is provided, which identifies that the practice is of good quality</p>					
<p>3 is the lowest score - If there is no evidence that a given good practice takes place, or the evidence is weak</p>					
<p>A twinning meeting was held by SPIU Bihar on 6th February 2019 with officials of Visvesvaraya Technological University (VTU) Belgaum and AKU Patna and the both partners were briefed about the targets of twinning.</p>					
<p>SPIU Bihar held a twinning meeting on 17th May 2019 with all institutes where the status of twinning activities was reviewed</p>					
<p>Subsequently, in the monthly review meetings held by SPIU Bihar on 5th April, 8th May, 7th June and 11th July, status of all 7 activities of performance audit was reviewed.</p>					
<p>The comparison of the 02 audit reports clearly indicates that there has been a substantial improvement on the academic front. State average for academic session 2018-19 is the highest for Bihar as compared to other States participating in TEQIP-III.</p>					
<p>For Academic year 2020-21, the Performance Audit is planned in January and February 2021 for all colleges.</p>					
#	Name of the Institute	Academic Year 2017-18		Academic Year 2018-19	
		Average score	State Average	Average score	State Average
1	BCE Bhagalpur	1.65	2.01	1.22	1.29*
	DCE Darbhanga	1.83		1.29	
2	GCE Gaya	2.03		1.37	

3	LNJPIT Chapra	2.39		1.33	
4	MCE Motihari	1.94		1.39	
5	MIT Muzaffarpur	2.55		1.12	
6	NCE Chandi	1.71		1.29	
7	Aryabhata Knowledge University, Patna	2.63			

Name of Performance Auditors and Mentors of TEQIP Institutes and AKU, Patna

Sr. No.	College	Name of Performance Auditor	Name of Mentor
1	Bhagalpur College of Engineering, Bhagalpur, Bihar	PROF. PRASANTA KUMAR DAS Department of Mechanical Engineering, IIT Kharagpur B-44, IIT Campus, Kharagpur-721302 Ph(O) 03222-282916 ® 282917, 278045 M: 09434035266, Fax : 03222-255303 E-mail: pkd@mech.iitkgp.ernet.in	Prof. Asok De Prof. ECE Dept. DTU Former Director National Institute of Technology, Patna – 800005 (Bihar) M: 09818181068, 09771402797, 09434788001 Email: director@nitp.ac.in, asok.de@gmail.com
2	Darbhanga College of Engineering, Darbhanga	Prof. B. K. Roy Professor, Department of Electrical Engineering N I T Silchar - 788010, Assam M: 9435522435 Email: bkr_nits@yahoo.co.in, bkrnits@gmail.com, bkr@nits.ac.in	Dr. K. S. Jayantha Principal, MCE Hassan M: 9448554445 Email: ksj@mcehassan.ac.in
3	Gaya College of Engineering, Gaya, Sri Krishna Nagar	Dr. K. MallikharjunaBabu Principal BMS College of Engineering, Bull Temple Road, Bangalore - 560019 Karnataka M: 09886021095, Ph: 080-26622130 Email: drkmbabu@gmail.com	PROF. N.C. SHIVAPRAKASH Professor, IISC Bangalore Ph.080-22932242 (O),080-23601270, Cell : 9449086370 e-mail : shivaprakashiisc@gmail.com shiv@iisc.ac.in
4	LokNayak Jay Prakash Institute of Technology, Chapra, Bihar	Dr. Vinod Kumar Indian Institute of Technology Indore Mobile number is 08619149375. Email: vkt@iiti.ac.in	Prof. R. Venugopal Professor (HAG) and Former Dean (A&R), IIT (ISM), Dhanbad Department of Fuel and Mineral Engg., IIT (ISM), Dhanbad – 826004 M: 9431126330 Email: vrayasam@yahoo.com

5	Motihari College of Engineering, Motihari	Prof.Dr.G.P.Prabhukumar Former Principal, University B D T college of Engg Davanagere Bengaluru, Karnataka, India email: prabhukumargp@gmail.com Mobile No. 9448178136	Pramod Narayanrao Jumle Director of training, Board of Apprenticeship Training (WR), Mumbai Bldg. No 6 Flat No. 502 Amrut Park, Khadakpada Kalyan (West) 421306 M: 09869366085 pnjumle@yahoo.co.in
6	Muzaffarpur Institute of Tech, Muzaffarpur	Dr. Yogesh Velankar Ph.D. Engineering Education, Purdue University, USA) Consultant –Academia &indus M: 9769737255 Email: Yogeshvelankar@yahoo.com	Prof. P. D. Porey Director, SardarVallabhbai National Institute of Technology, Surat ph. No. 08888810444, Sai Regency. Nagpur, 440033 E-Mail– prakkash.porey@gmail.com
7	Nalanda College of Engineering, Chandi, Nalanda	Dilip R. Peshwe Professor, Deptt of MME, VNIT, Nagpur M: 9372802996 Email: drpeshwe@rediffmail.com	Prof. Manoj Kumar Mitra Former Dean, FET, Jadavpur University M: 9051195536 Email: manojmitra@live.in
8	AKU Patna	Dr. S.K. Prasad Professor of Civil Engineering, Former TEQIP Coordinator Sri Jayachamarajendra College of Engineering, JSS TI Campus Mysuru – 570 006. M: 91-9449621994 Email:prasad_s_k@hotmail.com, skprasad@sjce.ac.in	PROF. N.C. SHIVAPRAKASH Professor, IISC Bangalore Ph.080-22932242 (O),080-23601270, Cell : 9449086370 e-mail : shivaprakashiisc@gmail.com shiv@iisc.ac.in
Action Required		The Committee may deliberate	

Item No. 3.11	Status of implementation of Equity Action Plan (EAP) in colleges and AKU
<p>The Committee may note that under TEQIP III, the project institutions are required to make Equity Action Plan (EAP) to improve learning outcome of students and employability of graduates with special attention to the needy ones, socially and economically under privileged groups including SC, ST, OBC and women students.</p> <p>NPIU and SPIU have been guiding, assisting and facilitating project institutions in implementation of EAP to ensure equity at all levels in institutions in line with the workshop by NPIU on 19th November 2018 for project Institutions. Equity Action Plans have been formulated by all institutions. The World Bank has laid emphasis on the need to identify the gap between the skills of students and identify/develop activities to bridge the gap and increase employability.</p> <p>SPIU Bihar had arranged a workshop on Equity Action Plan in Patna on 14th August 2018 through the World Bank Equity Expert, Ms. Surbhi Dhingra. The Equity Action Plan</p>	

Implementation Status has been reviewed by SPIU Bihar on 27th June 2019. All institutes have submitted the new Equity action plan to be implemented in 2021.

The major activities undertaken by colleges in the implementation of Equity are:

- Identification of weaker student, Improvement of Subject knowledge and transition rate.
- Faculty Mentorship and Peer to peer mentorship
- Students Participation in Hackathon
- To improve language competency, soft skills and confidence levels
- GATE Training Classes
- Expert lectures
- Improving teacher's effectiveness
- Priority in opportunities to upgrade their domain knowledge for under-qualified teachers
- Grievance Redress Mechanism (GRM) -

At NPIU level, a two-tier Grievance Redressed Mechanism has been introduced where various stake holders can raise their issues/grievance through the redressal mechanism in place. SPIU has received 7 complaints from TEQIP faculty from various colleges which have been resolved.

The details status of implementation of EAP activities in colleges is at Annexure G

Action Required	The Committee may note
Item No. 3.12	Environmental Management Framework (EMF)
<p>The EMF seeks to reduce environmental degradation that may arise due to project activities and to also help in compliance with various related regulations and norms. It lays out various options/measures for enhancing environmental performance during the planning, designing, implementation and operation stage of the proposed civil works.</p>	
<p>The EMF ensures safer and environmentally friendly designing of the infrastructure as per applicable norms for water supply arrangements, sanitation arrangements, waste water discharge arrangements, with adoption of relevant code/s applicable for earthquake, cyclone, flood, landslides and as per the recommendations of National Disaster Management Authority (NDMA), etc. It also ensures other arrangements/facilities such as barrier free access for the physically challenged, signs inside and outside of the building, notice boards for display of information, fire and electrical safety arrangements, provision of alarms or hooters to alert building occupiers in case of emergency, clear demarcation of escape routes and assembly points for emergency situations, provision of parking, preservation of existing trees to the extent possible, etc.</p>	

In addition, EMF encourages project Institutions to adopt various environment augmentative measures like rain water harvesting, use of heat reflecting glass, promotion of energy efficient lighting, use of renewable energy, minimization of paved area, appropriate use of colours for buildings and walkways, use of locally available materials, etc. for all works undertaken in the Project.

On 3rd March 2020, World Bank in association with SPIU Bihar organized an Environmental Management Workshop in Patna. All colleges presented their EMF plans and Mr. Abhijit Ghosh, EMF Consultant, World Bank gave suggestions regarding proper implementation of EMF plan. The World Bank officials visited LNJPIT Chapra and MIT Muzaffarpur to see the EMF implementation in the colleges and colleges received appreciation for their work related to EMF.

The common issues related to EMF in all colleges are as follows:

1. Proper disposal of sewage either by building a soak pit and septic tank or a Sewage Treatment plant (STP)
2. Electricity audit
3. Fire Audit
4. Energy Audit
5. Dispensary and ambulance facility
6. Presence of a doctor at least twice a week on campus
7. Solid waste management plan
8. Awareness regarding three bin system for collection of waste – one for recyclable waste, one for kitchen and garden waste, and one for non-recyclable waste.

A sample EMF plan from LNJPIT Chapra is attached as Annexure 8.

The status of EMF activities done by colleges are attached as Annexure H

Action Required	The Committee may deliberate
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Annexure 8

Ref.No - LNJFIT/TEBIP/72

Date - 30/01/2019

LOK NAYAK JAI PRAKASH INSTITUTE OF TECHNOLOGY
CHAPRA, SARAN (BIHAR)-841302

Environment Management Plan							
Sl. No	Environmental Aspect	Management Issues to be considered	Details of activity to be performed	Responsibility/official	Time line or completion date	Evidence/Verification	Remarks
1.	Drinking Water	Availability of appropriate no. of water purification & cooling system	Finding no. of water purification & cooling system required Its installation.	Prof. Kumar Jyotiraditya (ME)	Feb 2019	LNJPIT/ENV/19/002	
					Jun 2019		
		Cleaning and repair of tanks (all overhead tanks) in the premises	Periodic cleaning of overhead tanks		Quarterly		
		Testing of water from all taps/water tanks	Periodic testing of water quality		Monthly		
		Annual maintenance and cleaning of water purification and cooling system	Annual maintenance and cleaning of water purification and cooling system		Annually		
2.	Sanitation	Regular Cleaning of toilets in both the academic institution and the hostels	Regular Cleaning & monitoring of toilets in both the academic institution and the hostels	Prof. Rishabh Raj (CE)- Academic and LAB building Prof. Abhinit Kumar (CE)- Boys Hostels Prof. Neha Niharika (EEE) & Prof. Nandini Kumari (CE)- Girls Hostels	Daily	LNJPIT/ENV/19/002	
		Maintenance of fittings and fixtures in academic and residential blocks	Finding the issues in toilets to rectify and its rectification		Jun 2019		
		Maintenance of drain pipes	Maintenance of drain pipes		Whenever required		
		Checking and maintenance of septic tanks	Checking and maintenance of septic tanks		Whenever required		
3.	Drainage	Cleaning of Stormwater drains	Cleaning of Stormwater drains	Prof. Rishabh Raj (CE)	Monthly	LNJPIT/ENV/19/002	
		Repair of Stormwater drains	Repair of Stormwater drains		Whenever required		
		Covering of Stormwater drains	Covering of Stormwater drains		Jun 2019		
4.	Greenery and Cleanliness	Gardening	Identifying the places for plantation and planting as well as the maintenance of already existing plants	Prof. Shyam Lal Yadav (Math) Prof. Sushil Kumar (CS)	Jun 2019	LNJPIT/ENV/19/002	
		Dustbin Installation (2-Bin System)	Installation of required no. of dustbin through entire campus				

24/1/19
30/1/19

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30/1/19

**LOK NAYAK JAI PRAKASH INSTITUTE OF TECHNOLOGY
CHAPRA, SARAN (BIHAR)-841302**

Environment Management Plan							
Sl. No	Environmental Aspect	Management Issues to be considered	Details of activity to be performed	Responsibility/official	Time line or completion date	Evidence/Verification	Remarks
5.	Fire Safety	Fire Safety Audit of the Campus (covering all classrooms, laboratories, hostels and canteens)	Organizing fire security drill. Contacting with fire department to get building certified for fire safety	Prof. Manoj Bhaskar (EEE) Prof. Md. Aamir (ME)	Jun 2019	LNJPIT/ENV/19/002	
		Procurement of Fire safety apparatus : extinguishers, risers, hooters and alarms.	Finding the number of equipments required and its procurement		Jun 2019		
		Fire Signage	Installation of appropriate fire signages		Jun 2019		
6.	Solid Waste Management	Collection System (using two bin) and regular clearing of the bins	Regular collection of garbage and cleaning of dustbins	Prof. Rishabh Raj (CE) Prof. Abhinit Kumar (CE)	Daily	LNJPIT/ENV/19/002	
		Amount of garbage collection	Survey involving the student to find the amount of garbage generation per day		Jun 2019		
7.	Health and Hygiene	Installation of First Aid Box	Finding the no. of first aid box required and its installation	Prof. Aneesh Kr. M.P (English) Prof. Sanjeet Kumar (ME)	March 2019	LNJPIT/ENV/19/002	
		Availability Dispensary and Ambulance	Arrangement for dispensary and ambulance in Institute		Jun 2019		
		Cleanliness of Mess and Canteen as well as the workers working there	Awareness program among canteen workers as well as students for cleanliness		Quarterly		

Environment Committee Members

Prof. Rishabh Raj *Rishabh Raj*
 Prof. Sanjeet Kumar
 Prof. Sushil Kumar
 Prof. Neha Niharika *Neha Niharika*

Prof. Zafar Ali Ansari
 Prof. Zafar Ali Ansari
 TEQIP-III Coordinator

Principal
 Principal
 LNJPIT, Chapra
 -841302

Aks
 30/1/19.
 Prof. Ajay Kumar Singh
 Environment Coordinator

Item No. 3.13	Status of Central Interventions by NPIU								
SPIU Brief:									
<p>1. GATE Training – In May 2018, NPIU empanelled four professional service providers for GATE training of 300 hours. The Colleges were asked to invite only financial quotations from these vendors. The colleges invited quotations and finalized the service provider. The following four service providers were empanelled by NPIU:</p>									
<ol style="list-style-type: none"> I. GATE Academy, Bangalore II. Engineers Academy III. GATE Forum IV. GATE Coach 									
<p>In the academic year 2018-19, the training started in November 2018 and was finished in January 2019. In academic year 2019-20, the training started in August 2019 and was completed by the first week of January 2020. SPIU had suggested the institutes to conduct a mock GATE exam by 30th December 2019. The per student fee varied from Rs. 21640 in BCE Bhagalpur to Rs. 37760 in LNJPIT Chapra. However, for GATE 2021, the colleges are conducting training through internal faculty and outside experts and none of the colleges have hired service providers.</p>									
<p>2. Employability Skills Training the Employability skills training - In May 2018, NPIU empanelled four professional service providers for Employability Skills training of 200 hours. The Colleges were asked to invite only financial quotations from these vendors. The colleges invited quotations and finalized the service provider. The following four service providers were empanelled by NPIU:</p>									
<ol style="list-style-type: none"> I. T.I.M.E II. Career Launcher Educate III. Universal Education, Bangalore IV. ETHNUS Consultancy Services Pvt. Ltd. 									
<p>In 2018, a total of 1444 students from 7 colleges were trained. The status of training conducted in 2019 is given below:</p>									
#	Name of institute	Date of Start of Employability Skills training	Name of the NPIU Empanelled Service Provider	Fees/Student	Total no. of 3rd year students	No. of 3rd year students to be trained by Emp Skill Service Provider/Internal Faculty	No. of hours of Training Conducted	Training Completed (Yes/No)	Date of Completion of Training
1	GCE Gaya	12/09/2019	T.I.M.E.	6018	266	266	123	No	
2	MCE Motihari	23/07/2019	CL EDUCATE	5000	151	123	108	No	
3	NCE Chandi	16/08/2019	T.I.M.Es	5900	279	71	70	No	

4	BCE Bhagalpur	18.09.2019	T.I.M.E	5310	208	200	200	Yes	18.08.2020
5	MIT Muzaffarpur	18th Aug 2019	universal education	5900	349	273	200	Yes	08.02.2020
6	DCE Darbhanga	19/08/2019	ETHNUS Consultancy Services Pvt. Ltd.	5428	288	201	200	Yes	05/03/2020
7	LNJPIT Chapra	19/08/2019	The Universal Education	6018(including tax)	288	227	200	yes	5/3/2020
					1829	1361			

3. **Employability Test by Aspiring Minds Computer Adaptive Test (AMCAT).** The AMCAT score for Bihar for the tests conducted in August 2019 is shown below.

BIHAR	English	Quantitative Ability	Logical Ability
	National Average 475	National Average 495	National Average 465
Overall	417	477	429
4 th year	428	506	449
3 rd year	411	463	424
2 nd year	417	474	423
1 st year	NA	NA	NA

National Mean
 English – 475
 Quant – 495
 Logical - 465

Above National Mean
 Close to National Mean
 Below National Mean

- The results suggested that the students need training in English and Logical ability
- AMCAT suggested that the final year students need improvement in core skills to be placed in core sectors.

4. **Jio Wi-Fi Connection** – In June 2018, NPIU empanelled M/s Reliance Jio Infocomm Limited for providing WI-FI facility in colleges participating in TEQIP-III. The agreement was done for service charge of Rs. 100 per month per user exclusive of all taxes, a speed no less than 4Mbps and for 1 GB data per user per day. All colleges except MCE Motihari and NCE Chandi have opted for Reliance Jio connection.

5. **Digital Boards** allocation to colleges – In April 2019, NPIU-MHRD took the initiative of creating digital classrooms in focus institutes. For this, Interactive Boards were proposed to be provided to TEQIP-III institutions through project funds (over and above the present allocation) to promote flipped or blended learning through digital pedagogy in technical education. ***The scheme is***

targeted for setting up multiple Digital classrooms (interactive teaching device/s with appropriate learning resources) and also training of minimum 10 faculties from each of the selected institutions.

Five institutes from Bihar received 61 Samsung Flip Digital Boards and training of faculty, MIT Muzaffarpur (13), MCE Motihari (11), LNJPIT Chapra(12), NCE Chandi (13), GCE Gaya(12). BCE Bhagalpur and DCE Darbhanga were not selected in the first round but have reapplied in the second round and are expected to receive the boards.

Sr. No	Name of the Institute	No. of Digital Boards received
1	Gaya Engineering College, Gaya	12
2	Lok Nayak Jay Prakash Institute of Technology, Chapra	12
3	Motihari College of Engineering, Motihari	11
4	Muzaffarpur Institute of Tech, Muzaffarpur	13
5	Nalanda College of Engineering, Chandi, Nalanda	13
	Total	61

6. **SAAMRTH ERP** - Smarter Automation Engine for Universities is an initiative of Ministry of Education in coordination of University of Delhi for development of ERP for focus institutes for providing ERP solution customized to suit the requirements of every individual institute before the conclusion of TEQIP-III. Two institutes from Bihar, MIT Muzaffarpur, and BCE Bhagalpur have opted for SAAMARTH. The implementation has started and Nodal officers from both colleges have been nominated.
7. **Tinkering Lab**- In November 2019, NPIU took an initiative to support TEQIP institutes in setting-up a Tinkering Laboratory. In the initiative project institutes may be facilitated with basic equipment for a Tinkering Laboratory through the centralized arrangement. The support for the tinkering lab will be considered on a competitive basis. All colleges have Bihar have applied and the results are awaited.
8. **Collaborative Research Scheme (CRS)** for Colleges participating in TEQIP-II and the **Collaborative Research and Innovation Program (CRIP)** for Affiliating Technical University (ATU) which is AKU, Patna

Collaborative research scheme (CRS)

The **collaborative research scheme (CRS)** was launched by NPIU in collaboration with AICTE. It has been introduced for TEQIP faculty as a Principal Investigator. Two Co-PIs were made mandatory where one Co-PI will be a regular permanent faculty

from the same department and another one to be from NIT or IIT. The other collaborators (Co-PIs) can be from other TEQIP institution. As advised by MHRD, AICTE has invited the proposal for "Collaborative Research Scheme" from TEQIP faculty (provided by MHRD/NPIU) presently working in TEQIP-III institutions in focus states. Faculties from TEQIP institutions submitted their proposal to AICTE through web portal. **The highlights of the scheme are:**

1. Max funding Rs 25 lakhs. For equipment, computational facilities, travel, contingency, consumables etc.
2. The project duration is 1 year w.e.f. 1st April and extendable for next 6 months.
3. Project may be equipment based or even without equipment
4. Collaborator may be from mentor institute or NITs or IITs.

Objectives

- To provide incentive for young TEQIP faculty from different institutes to collaborate on research and build research community.
- To support innovation & research across institutes with collaboration among TEQIP Faculty, Regular faculty of Project institutions (focus and non-focus) & Premier institutions of the country.
- The scheme targets for 200 proposals from 17 States in 1 year.

Initially, the response of TEQIP faculty was very poor and very few proposals were received by NPIU from Bihar. SPIU Bihar took the initiative and made one proposal submission from each department of every college mandatory. Thereafter, 88 proposal were submitted to AICTE from Bihar out of which 48 were selected for funding. Bihar received Rs. 522 lacs in grants from AICTE.

Implementation Mechanism

- Collaborative Research Grant Program is being implemented by AICTE. Applications is received by AICTE using an online portal
- The scheme will be implemented for One year (April 2019 to March 2020) and shall end by the conclusion of TEQIP-III.
- An extension may be considered, on the recommendation of the expert committee.
- Since the Project has been extended till 31st March 2020, the CRS project completion deadline was extended till 31st December 2020. Further extension result is awaited. The good projects may be extended further (after TEQIP-III) and inducted in some other MHRD initiative like IMPRINT, Star, etc.

The details of CRS scheme are listed below:

Sr. No.	Institute	No. of Projects	Grants in Lakhs
1	Bhagalpur College of Engineering, Bhagalpur	7	82
2	Darbhanga College of Engineering, Darbhanga	7	91
3	Gaya College of Engineering, Gaya, Sri Krishna Nagar	9	91
4	Lok Nayak Jay Prakash Institute of Technology, Chapra	2	6
5	Motihari College of Engineering, Motihari	8	109
6	Muzaffarpur Institute of Tech, Muzaffarpur	10	85
7	Nalanda College of Engineering, Chandi, Nalanda	5	57
	Total	48	522

Collaborative Research and Innovation Program (CRIP) by ATUs

- NPIU advised ATUs to establish a competitive research fund to support Collaborative Research and Innovation Program (CRIP) among faculty of different institutes (public and private).
- The objective of the scheme was to build research communities, collaboration & networking among different institutions and enhancement in research outputs
- AKU awarded research grants to 57 projects and so far, Rs. 42 lacs have been allocated to the PI's.
- **AKU was advised to keep aside 15% of the academic allocation which is Rs. 1.5 crores as competitive research fund. It was advised that ATUs should invite collaborative projects from faculty of its affiliated engineering colleges.**
- **The maximum funds for any project was Rs. 3 lacs and the heads under which the expenditure is to be done are the following:**

Sr. No.	Components	Ceiling amount (INR)
1.	Consumables relevant to proposed research proposal	1,00,000.00
2.	Travel for research activities only (including accommodation & fooding)	50,000.00
3.	Patenting/Registration fee for Conference/Seminar/Workshops/Training programme	40,000.00
4.	Outsourcing related to research work (i.e. Prototyping/ Fabrication/ Testing / Characterization/ Calibration etc.) and Software	1,00,000.00
5.	Project Contingencies	10,000.00
	Total	Rs. 3,00,000/-

Action Required	The Committee may deliberate and note
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Item No. 3.14	SPIU-Bihar Action Plan for January-March 2021 Quarter
<p>The Committee may deliberate and approve the various other activities plan of SPIU as per following:</p> <ol style="list-style-type: none"> 1. Examination reform and continuous evaluation system workshop 2. Workshops on Procurement, Financial management, NBA accreditation, Governance, Digital Initiative, EAP, EMF, NEP 2020, Quality and Equity in Technical Education or any other suitable topic shall be planned subsequently. 3. Workshop on SWAYAM/SWAYAM Prabha 4. Student Excellence & Learning Program (SELP) for the students in Project Institutions. 5. Training of students on future skills to be held independently by SPIU and also in collaboration with project institutions and DST Bihar. 6. Professional Development Trainings (PDTs) at various IIMs 7. Software training programs for students to be held independently by SPIU and also in collaboration with project institutions and DST Bihar. 8. Student Competitions for different branches 9. Robotics training through Carnegie Mellon University, USA 10. Workshop/Conference on renewable energy (Solar, Wind etc.) 11. 5-day workshop on future skills for students of engineering colleges similar to the workshop done in February 2021. 12. Short documentary on the Implementation of TEQIP-III in Bihar 	
Action Required	The Committee may deliberate and approve

Item No. 3.15	Status of Workshops, Review meetings conducted by SPIU
<p>SPIU Brief:</p> <ul style="list-style-type: none"> • SPIU has conducted numerous workshops, training programmes, expert lectures, monthly review meetings for the 1.1 Institutions and ATU involving twinning partners of focus institutes of Bihar • SPIU Bihar regularly conducts workshops related to: <ul style="list-style-type: none"> ○ Workshops related to skill enhancement and employability including IPR & Start-ups ○ NBA Accreditation and Outcome Based Education (OBE) ○ Workshop on research proposal writing and research Collaboration ○ Workshops on Finance, procurement and accounts, Government E-Marketplace (GeM), Tally ○ Equity action plan implementation, social safeguards through Environmental Management Framework (EMF) ○ Digital initiatives for academic 	

- Pedagogy trainings and its facilitation at various IITs
- Facilitation of Professional development trainings at IIMs
- workshop on Twinning, and sharing of knowledge for Mentor and Mentee institutions
- Student trainings
- Till date SPIU Bihar has conducted over 70 activities. SPIU Bihar has conducted maximum activities in minimum expenditure under TEQIP-III.

The list of activities conducted by SPIU is attached as Annexure 9.

Action Required	The Committee may deliberate and note
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Annexure 9

ACTIVITIES CONDUCTED BY SPIU BIHAR

Sr. No.	Activity	Date	Time	Number of Participants	Venue	No of Days
1	Procurement Procedure Under World Bank and GeM	14th March 2018	10:00 AM - 05:00 PM	44	Conference Hall, 1st Floor, IG Planetarium, Patna	1 Day
2	One day workshop on GEM	15th March 2018	10:00 AM - 05:00 PM	32	Conference Hall, 1st Floor, IGSC Planetarium, Patna	1 Day
3	Workshop on Project Fund Management System (PFMS)	11th May 2018	10:00 AM - 5:00 PM	45	Vatika Premier Hotel, Rupaspur, Bailey Road, Patna	1 Day
4	Meeting on NBA Accreditation Status	15th May 2018	09:30 AM - 05:00 PM	65	SPIU Bihar Office, DST,	1 Day
5	TEQIP-III: TEQIP Cell Orientation Workshop	6th July 2018	10:00 AM - 5:00 PM	41	Vatika Premier Hotel, Rupaspur, Bailey Road, Patna	1 Day
	Seminar on Performance Auditing and Mentoring					
6	Seminar on Induction Program of 1st Year Engineering students at SPIU Bihar	16th July 2018	09:30 AM - 05:00 PM	37	SPIU Bihar Office, DST, Patna	1 Day
7	Review of Procurement Status	13th August 2018	09:30 AM - 05:00 PM	36	Hotel Patliputra Ashok, Patna	1 day
8	Seminar on Equity Action Plan and Environment.	14th August 2018	09:30 AM - 05:00 PM	37	Hotel Patliputra Ashok, Patna	1 day
9	Meeting with NBA Coordinators	11th September 2018	09:30 AM - 05:00 PM	15	Taramandal Conference Hall	1 day
10	Meeting regarding Management Information System (MIS) of TEQIP III by NPIU	17th September 2018	09:30 AM - 05:00 PM		Conference Hall, 1st Floor, IGSC, Planetarium, Patna	1 day
11	Meeting with MIS coordinators regarding MIS Data and its verification	20th September 2018	09:30 AM - 05:00 PM	18	Conference Hall, 1st Floor, IGSC	1 day
					Planetarium, Patna	
12	Procurement Review	24th September 2018	09:30 AM - 05:00 PM	29	Conference Hall, 1st Floor, IGSC	1 day
					Planetarium, Patna	

13	NBA Accreditation Review meeting	02-Nov-18	09:30 AM - 05:00 PM	27	Hotel Patliputra Ashok, Patna	1 Day
14	Twinning Meeting with IIT Patna, DCE Darbhanga and LNJPIT Chapra	20-Nov-18	09:30 AM - 05:00 PM	10	Conference Hall, 1st Floor, IGSC	1 Day
					Planetarium, Patna	
15	Interaction with Placement Cell Officer	23 rd November 2018	09:30 AM - 05:00 PM	8	Conference Hall, 1st Floor, IGSC	1 Day
					Planetarium, Patna	
16	NBA Awareness and Filling of Self-Assessment Report (SAR)- In association with MIT Muzaffarpur	26 th -27 th November 2018	9:00 am- 5:00 pm		Chanakya Hotel, Patna	2 day
17	Joint meeting of NCE and GCE with mentor from IIT Patna	27-Nov-18	9:00 am- 5:00 pm	7	Conference Hall, 1st Floor, IGSC	1 day
					Planetarium, Patna	
18	Intellectual Property Rights and Patent Filings (IPRPF-2018) - In association with LNJPIT Chapra	30th November 2018	9:00 am- 5:00 pm	43	Hotel Patliputra Ashok, Patna	1 day
19	Twinning Meeting with NIT Patna and MIT Muzaffarpur	28th November 2018	10:30 AM - 3:00 PM		SPIU Bihar, Taramandal Conference hall	1 day
20	Meeting on Procurement Status with all colleges	17th December 2018	10:30 AM - 3:00 PM	30	SPIU Bihar, Taramandal Conference hall	1 day
21	Meeting with officials of VTU and AKU	3rd January 2019	11:00 AM - 2:00 PM		SPIU Bihar, Taramandal	1 day
22	Interaction cum Review Meeting	4th January 2019	09:30 AM - 05:00 PM	23	SPIU Bihar, Taramandal	1 day
23	Interaction meeting with BOG Chairman, Individual Mentors, Institute Co-ordinators and Principal's of TEQIP-III Bihar	08th January 2019	09:30 AM - 05:00 PM	42	Hotel Maurya	1 Day
24	1st State Steering Committee Meeting	09th January 2019	09:30 AM - 05:00 PM	10	Hotel Maurya	1 Day
25	Interaction meeting with DST and SPIU	19th January 2019	03:00 PM to 09:00 PM	52	Chanakya Hotel, Patna	1 day
26	Procurement and GeM Training	21st January 2019	09:30 AM - 05:00 PM	31	Vatika Premier Hotel, Rupaspur, Bailey Road, Patna	1 Day

27	Twining Meeting with officials of VTU and AKU	6th February 2019	11:30 AM - 1:00 PM		SPIU Bihar, Taramandal	1 Day
28	Meeting regarding review of MIS data	08th February 2019	11:00 AM to 5:00 PM		SPIU Bihar	1 Day
29	Meeting of training and placement Cell of all focused institution from Bihar	28th February 2019	11:00 AM to 5:00 PM	40	Hotel Patliputra Ashok, Patna	1 Day
30	Training on Tally & PFMS alongwith Audit compliance	01st March 2019	11:00 AM to 5:00 PM	46	Hotel Patliputra Ashok, Patna	1 Day
31	Industry Institute Interaction Meeting	12th March 2019	11:00 AM to 5:00 PM	85	Hotel Maurya	1 Day
32	One day international Meeting on Audit issues & New Performance Benchmark for TEQIP institute of Bihar	05th April 2019	11:00 AM to 5:00 PM	49	Chanakya Hotel, Patna	1 day
33	One day training on Tally entry	08th April 2019	10:30 AM to 5:00 PM	14	SPIU Bihar	1 day
34	Meeting of TEQIP faculty with Principal Secretary, DST Bihar	10th April 2019	10:30 AM to 5:00 PM	44	SPIU Bihar	1 day
35	Meeting with GATE & Employability Skills Co-Ordinators	15th April 2019	10:30 AM to 5:00 PM	20	SPIU Bihar	1 day
36	Procurement Status meeting with NCE and AKU	18th April 2019	10:30 AM to 5:00 PM	7	Chanakya Hotel, Patna	1 day
37	Workshop on Research Proposal Writing for TEQIP-III focus institution jointly organised by SPIU Bihar and IIT Patna	24-26th April 2019	10:30 AM to 5:00 PM	64, 80 & 67	Chanakya Hotel, Patna	3 day
40	Meeting with AKU	03rd May 2019	3:00 PM to 5:00 PM	10	SPIU Bihar	1 day
41	Meeting with Procurement coordinator and Program Manager (GCE and MCE)	06th May 2019	10:30 AM to 5:00 PM	10	SPIU Bihar	1 day
42	Review meeting on performance benchmark and progress of Academic Activities	08th May 2019	10:30 AM to 5:00 PM	78	Hotel The Panache	1 day
43	Meeting for review of Twining Activities	17th May 2019	10:30 AM to 5:00 PM	15	SPIU Bihar	1 day

44	Meeting with the statutory Auditor, TEQIP-III Programme Manager and Accounts Assistant	21st May 2019	10:30 AM to 5:00 PM	25	SPIU Bihar	1 day
45	Meeting for submission of Audit Report	23rd May 2019	10:30 AM to 5:00 PM	5	SPIU Bihar	1 day
46	Meeting with the statutory Auditor	24th May 2019	10:30 AM to 5:00 PM	12	SPIU Bihar	1 day
47	Meeting with the statutory Auditor	25th May 2019	10:30 AM to 5:00 PM	6	SPIU Bihar	1 day
48	Meeting with the statutory Auditor	27th May 2019	10:30 AM to 5:00 PM	5	SPIU Bihar	1 day
49	Workshop on PMSS and GeM	31st May 2019	10:30 AM to 5:00 PM	40	Chanakya Hotel, Patna	1 day
50	3rd Monthly Review meeting on Financial Update, Audit Compliance, Performance Benchmark and Progress of Academic Activity of TEQIP-III	07th June 2019	10:30 AM to 5:00 PM	72	Hotel The Panache	1 day
51	Interaction Meeting with Training and Placement Cell officers (TPO)	21st June 2019	10:30 AM to 5:00 PM	30	SPIU Bihar	1 day
52	Workshop on EAP and EMF	27th June 2019	10:30 AM to 5:00 PM	35	Hotel The Panache	1 day
53	4th Monthly Review meeting on Financial Update, Audit Compliance, Performance Benchmark, and Progress of Academic Activity of TEQIP-III	11th July 2019	10:30 AM to 5:00 PM	31	Chanakya Hotel, Patna	1 day
54	Procurement Review Meeting with LNJPIT Chapra	16th July 2019	10:30 AM to 5:00 PM	11	SPIU Bihar	1 day
55	Procurement Review Meeting with GCE Gaya	18th July 2019	10:30 AM to 5:00 PM	10	SPIU Bihar	1 day
56	Seminar on Good Governance Practices	19th July 2019	10:30 AM to 5:00 PM	78	Hotel Maurya	1 day
57	Scrutiny/Examination of Procurement files by Internal Auditor and SPIU Team of GCE Gaya	22nd July 2019	10:30 AM to 5:00 PM	11	SPIU Bihar	1 day
60	Workshop on preparation for NBA Accreditation Jointly organised by DCE Darbhanga, LNJPIT Chapra, IIT Patna and SPIU Bihar	23-25th July 2019	10:30 AM to 5:00 PM	115	Hotel The Panache	3 day

61	TEQIP-III Review Meeting with H'ble Principal Secretary, S&T Bihar	26th July 2019	10:30 AM to 5:00 PM	33	Hotel The Panache	1 day
62	TEQIP-III Review Meeting with CPA Sir, NPIU and H'ble Principal Secretary, S&T Bihar	27th July 2019	10:30 AM to 5:00 PM	21	Chanakya Hotel, Patna	1 day
63	Presentation on Proteus Software	01st Aug 2019	03:30 AM to 06:30 PM	17	Conference Hall, 1st Floor, IGSC Planetarium, Patna	1 day
64	Meeting on major educational reforms and policy matters related to technical education in Bihar	26th Aug 2019	10:30 AM to 5:00 PM	20	Hotel Maurya	1 day
65	Training on Finance and procurement for newly recruited /Untrained Staff/ officials	19th Sep 2019	10:30 AM to 5:00 PM	49	Hotel Patliputra Continental	1 day
66	Meeting regarding Collaborative Research Scheme (CRS)	20th Sep 2019	10:30 AM to 5:00 PM	80	Hotel The Panache	1 day
67	Preparation for Internal Audit for the period (01-04-2019 to 30-09-2019)	10th Sep 2019	10:30 AM to 5:00 PM	40	Hotel Maurya	1 day
68	Brain Storming Session on Academic Intervention for improving employability	14th Nov 2019	10:30 AM to 5:00 PM	68	Hotel Patliputra Continental	1 day
69	Workshop on Procurement of Services for Academic Training	20th Nov 2019	10:30 AM to 5:00 PM	43	Hotel Patliputra Continental	1 day
70	State Steering Committee Meeting	17 th December 2019	10:30 AM to 5:00 PM	45	Hotel Maurya	1 day
71	Procurement Review meeting	29 th January 2020	10:30 AM to 5:00 PM	34	SPIU Office	1 day
72	Robotics Workshop	11-14 th February 2020	10:30 AM to 5:00 PM	215	Hotel Chanakya	4 days
73	Industry Meet	15 th February 2020	10:30 AM to 5:00 PM	70	Hotel Maurya	1 day

Item No. 3.16 **Formation of a Common Industry Consultation Committee (ICC)****SPIU Brief:**

In 2nd SSC, committee suggested that an Industry Consultation Committee (ICC) can be constituted at DST level which will guide/assist the colleges on the following aspects:

- Innovations in teaching and student evaluation methodologies;
 - Design skills, communication skills, entrepreneurial skills, information processing, creative and innovative thinking, leadership skills;
 - Problem solving projects from Industry;
 - Elective courses;
 - Extensive use of media;
 - Invited expert lectures from Industry and field;
 - Visits to and training in Industry; and
 - Multi-level and multi-background entry credit exemptions.
- ✓ Under the TEQIP-III mandate, every Affiliating Technical University (ATU) needs to constitute a subject wise industry consultation committee (ICC) with mandate of examining the existing curriculum and for making suitable periodic changes annually.
- ✓ The revision process is required to be completed by December every year for the programmes to be offered in the coming academic year

SPIU was asked to prepare a list of industry experts who can be on the ICC.

- The list of names that may be considered for the Industry Consultation Committee are as follows,

Shri N.K.P. Sinha	Technical Advisor	BSPHCL
Shri Anurag Sinha	Senior Manager (HR)	NTPC
Shri Faraz Khan	Hub Project Manager	Windmoler & Holscher
Shri Saibal Sinha	Zonal head east	Tata Consultancy Services (TCS)
Shri Sajid Iqbal	GE Transportation	Director HR
Shri Aditya Kumar Sinha		
Shri Prabhat Kumar Sinha	Director	Astric computers Pvt. Ltd
Shri M.V.Balasubrahmanyam	CEO	Lalitam Labs
Shri Winnie Karan Eluri	CEO	Study n Jobs, Hyderabad

	Shri Dr. B. Ebenezer	Students Psychology Specialist cum Co-founder	Study n Jobs, Hyderabad
	Shri Vijay Kumar	CEO	Digital Fort Pvt. Ltd., Bangalore
	Shri Samrat M. Jha	Asst. Director	MSME-DI, Patna
	Shri Prajeet Prabhakaran	Manager	Kerala Startup Mission, Kochin, Kerala
	Chandan Mukherjee	GM (OPS)	outline Systems (I) Pvt. LTD
	Shri Ajay singh	Soft pro Group	Director
	Shri Anuj Budhiraja	Stratasys	RM- NorthEast
	Shri Prasad Rodasi	ALTEM	Founder Director
Action Required	The Committee may deliberate and decide		

Item No. 3.17		Status of Performance Benchmarks for 1.1 and 1.2 Institutions		
SPIU Brief:				
During Mid-term review mission held during February 11-25, 2019 performing benchmarks have been decided for all 1.1, 1.2 and 1.3 Institutions based on which their performances will be assessed. The World Bank has recommended continuing assessments based on performance benchmarks, institutes that meet required no. of benchmarks shall be eligible to receive their funding allocation while the institutions that fail to achieve the performance benchmarks will face curtailment of funds. This has been conveyed by NPIU through their two communications dated 08-03-2019				
Performance Benchmarks (Targets June 30 and Sept 30, 2020)- revised				
S. No.	Category	Criteria	1.1 institutions	
			Target June 30, 2020 *	Target September 30, 2020
1	Financial	Actual Expenditure in academic activities out of PLA(academic head of expenditure)	75%	85%
2	DLIs Status (till June 2020)	1. NBA Accredited/ applied for UG programs - 50% 2. Training completed for more than 70% final year students for exit exams 3. BoG meetings (July 2019-June 2020): 4 4. Autonomy (UGC/as per PIP)	Any 3	Not Applicable
3	Academic	Availability of online student feedback system related to faculty in the current semester with few questions on remedial classes, use of MOOCs & digital boards for blended learning (feedback of at least 80% faculty available)	Yes (to be checked from URL link shared)	Yes (repeat) (to be checked from URL link shared)
4		No. of subjects where remedial classes conducted (Proof for 2019-20 and July – September 20)	Min. 10 subjects all branches together	Min. 2 subjects all branches together
5		Training on IT-ITes Skills	Number of faculty trained at IITs: 5	Number of students trained at institute: 100
6	R & D	R & D: 1. At least one Collaborative research project procurement completed and experimentation work started 2. At least one group of students participated in SI Hackathon/e-yantra (IIT Bombay) OR project/internship using FOSSEE	Yes	Yes (repeat)
7	ICT	Institute has 1. Two setup boxes of SWAYAM Prabha broadcasting on large TV Screens, use by stakeholders 2. access to digital contents through e-shodhsindhu/ shodhganga/ NDL/ e-PG Pathshala 3. use of at least one open source software (FOSSEE) 4. Use of at least one Virtual Lab in regular curriculum 5. 30 % Faculty of institute registered on Vidwan 6. 40% Faculty certified for atleast one MOOCs/ SWAYAM/ NPTEL course	Any 4	Any 5

S. No.	Criteria	1.2/1.3 ATUs	
		Target June 30, 2020*	Target September 30, 2020
1	Actual Expenditure in academic activities out of PLA (academic head of expenditure)	75%	85%
2	Procurement Expenditure: Actual expenditure as per PMSS	95% of procurement allocation	NA
3	NBA Accredited/ applied for UG programs in affiliated colleges OR Autonomy: granted by UGC or paperwork submitted to UGC for in Academic Year 2019-20	At least 20% OR At least 5 affiliated colleges	At least 25% OR At least 6 affiliated colleges
4	Collaborative research grant program: Percentage funds utilized by all proposals from affiliated colleges and UC received by ATU	70%	80%
5	1. 20% Institutes are registered for getting access to MHRD digital contents through e-shodhsindhu/shodhganga/ NDL/ e-PG Pathshala etc. 2. ATU has made provision for at least one open source software (FOSSEE) in regular curriculum 3. ATU has created provision for at least one Virtual Lab in regular curriculum 4. 30 % Faculty of each affiliated institute registered on Vidwan 5. 10% Faculty from each affiliated institute certified for atleast one MOOCS/ SWAYAM/ NPTEL course	Any 3	Any 4
6	Preparedness for Implementation of AICTE exam reforms for year 2020-21 – Provision in academic calendar	Yes	Implemented

* Targets for June 30, 2020 may also be applicable for reinstating the funds of Institutions/ATUs if funds curtailed.

The institutes where expenditure has crossed 85% by 31st December 2020 and which satisfy rest of the performance benchmarks will get additional funding.

- Institutes that have become eligible for additional funding based on performance benchmarks (PB) are:
 1. MIT Muzaffarpur
 2. BCE Bhagalpur
 3. GCE Gaya
 4. DCE Darbhanga
- Institutes that could not satisfy the financial part of the PB
 5. MCE Motihari
 6. NCE Chandi
 7. LNJPIT Chapra
 8. AKU Patna

The status of performance Benchmark of each of the institutions is explained in **Annexure – 10** and the performance benchmarks of ATU is explained in **Annexure 11**

Action Required

The Committee may deliberate and note

Annexure 10**Status of Performance Benchmarks of Colleges (1.1 focus institutes) as on 31/07/2020**

S. No.	Category	Criteria	Target	BCE Bhagalpur	DCE Darbhanga	GCE Gaya	LNJPIT Chapra	MCE Motihari	MIT Muzaffarpur	NCE Chandi
1	Financial	Actual Expenditure in academic activities out of PLA (academic head of expenditure)	75%	OK 2.26 Cr.(75.43%)	OK 2.31 Cr.(77%)	2.11 Cr. (70.33%)	1.94 Cr.(58.78%)	1.57(52.33%)	OK 2.90 Cr.(87.87%)	OK 2.37 Cr.(79.00%)
2	DLIs Status (till June 2020)	1. NBA Accredited/ applied for UG programs - 50% 2. Training completed for more than 70% final year students for exit exams 3. BoG meetings (July 2019-June 2020): 4 4. Autonomy (UGC/as per PIP)	Any 3	OK	OK	OK	OK	OK	OK	OK
5	Academic	Availability of online student feedback system related to faculty in the current semester with few questions on remedial classes & use of MOOCs (feedback of at least 80% faculty available)	Yes (to be checked from URL link shared)	OK	OK	OK	OK	OK	OK	OK
6		No. of subjects where remedial classes conducted (Proof for 2019-20 and July – September 20)	Min. 10 subjects all branches together	OK	OK	OK	OK	OK	OK	OK
7		Training on IT-ITes Skills	Number of faculty trained at IITs : 5	OK	OK	OK	OK	OK	OK	OK

8	R & D	R & D : 1. AT least one Collaborative research project procurement completed and experimentation work started 2. At least one group of students participated in SI Hackathon OR e-yantra (IIT Bombay)	YES	YES	YES	YES	YES	YES	YES	YES
9	ICT	Institute has 1. Two setup boxes of SWAYAM Prabha,	Any 4	YES						
		2. access to digital contents through e-shodhsindhu/ shodhganga/ NDL/ e-PG Pathshala		YES						
		3. use of at least one open source software (FOSSEE)		YES						
		4. Use of at least one Virtual Lab in regular curriculum		YES						
		5. 30 % Faculty of institute registered on Vidwan		YES						
		6. 40% Faculty certified for atleast one MOOCS/ SWAYAM/ NPTEL course		YES	YES	YES	YES	NO	YES	YES

Annexure 11**Status of Performance Benchmarks of AKU, Patna (1.2 Affiliated Technical University) as on 31/07/2020**

S. No.	Criteria	1.2/1.3 ATUs	AKU Patna Status
		Target June 30, 2020*	
1	Actual Expenditure in academic activities out of PLA (academic head of expenditure)	75%	1.58Cr.(22.71%)
2	Procurement Expenditure: Actual expenditure as per PMSS	95% of procurement allocation	5.88 Cr.(90.74%)
3	NBA Accredited/ applied for UG programs in affiliated colleges OR Autonomy: granted by UGC or paperwork submitted to UGC for in Academic Year 2019-20	At least 20% OR At least 5 affiliated colleges	NILL
4	Collaborative research grant program:Percentage funds utilized by all proposals from affiliated colleges and UC received by ATU	70%	42 Lakhs Advance paid to total 57 PIs, UC received from 10 PIs only
5	1. 20% Institutes are registered for getting access to MHRD digital contents through e-shodhsindhu/shodhganga/ NDL/ e-PG Pathshala etc.	Any 3	10
	2. ATU has made provision for at least one open source software (FOSSEE) in regular curriculum		implemented
	3. ATU has created provision for at least one Virtual Lab in regular curriculum		implemented
	4. 30 % Faculty of each affiliated institute registered on Vidwan		30
	5. 10% Faculty from each affiliated institute certified for atleast one MOOCS/ SWAYAM/ NPTEL course		10
6	Preparedness for Implementation of AICTE exam reforms for year 2020-21 – Provision in academic calendar	Yes	Implemented

Item No. 3.18	Major observations in Internal Audit and Statutory Audit and its compliance
<p>TEQIP-3 is a Central Sector Scheme of the Ministry of Human Resource Development (MHRD). The Central Government finances 100% of the cost and State Governments are being oversee and facilitate implementation in the project Institutions through the State Project Implementation Unit (SPIU).</p> <p>The “Financial Management Manual” (FMM) is developed to guide to Project Institutions to carry out the financial operations effectively. Books of Accounts for the project are to be maintained using <i>double-entry book keeping principals</i>. In line with the guidelines, there is provision of Internal & Statutory Audit periodically to sustain independent management function, which involves a continuous and critical appraisal of the functioning of an entity with a view to suggest improvements thereto and add value to and strengthen the overall Governance Mechanism of the entity, including the entity’s strategic risk management & Finance control system.</p> <p>Audits of Project Institutions under TEQIP-III has been conducted by CAG empaneled Chartered Accountant firms appointed by the SPIU-Bihar. The Audit had covered Project Financial Statements in accordance with ToRs & financial norms from all Institutes and SPIU. Also made audit observations during the course of audit and complied thereof.</p> <p><u>Internal Audit</u></p> <p>Internal Audit Report of Project Institution of TEQIP-III State of Bihar for financial years 2017-18, 2018-19 and 2019-20 (period from 1st April to 31st March, 2020 biannual basis) have been conducted by M/s Todi Tulsyan & co.. These audit reports have been submitted to NPIU/World Bank.</p> <p><u>Statutory Audit</u></p> <p>Statutory Audit Report of Project Institution of TEQIP-III State of Bihar for financial year 2017-18, 18019 and 19-20 has been conducted by M/s R N Sinha & co., Chartered Accountant and Auditor. The audit report has submitted to NPIU/WB.</p> <p>Consolidated Statutory Audit Report for the FY : 2018-19 and FY: 19-20 is placed at Annexure - 12 for information of the members and observation if any.</p> <p>Audit Observations and Compliances</p> <p>Audit Observation Committee (s) have been formed by the Project Institutions in the line of guidelines given in Financial Management Manual and direction given by NPIU time to time. Audit observations raised by the Statutory Auditors have been complied by Project Institutions. SPIU facilitated five review sessions for the Audit observations</p>	

and their compliances by the institutions and detailed deliberation in presence of the auditors and institutions with chance to present the evidences in support of the compliances. Based on the detailed scrutiny of the files and evidences and deliberations by the institutions and SPIU, the auditor suggested that most of the observations have been complied. Some statutory liability like TDS, GST etc. remained which need compliance. No disallowances were made.

Action Required	The Committee may deliberate and note
Item No. 3.19	Any other item with the permission of Chairman

Annexure 12

S.NO	Name of colleges	Statutory Audit Report from 01-04-2018 to 31-03-19	Reply on Statutory Audit Compliance Report from 01-04-2018 to 31-03-19	Internal Audit Compliance Report 01-10-2018 to 31-03-2019	Reply on Internal Audit Compliance Report 01-10-2018 to 31-03-2019	Internal Audit Compliance Report from 01-04-19 to 31-03-2020	Reply on Internal Audit Compliance Report from 01-04-19 to 31-03-2020
1	BCE	Requisition from the concerned department not found. There was delay in supply of material by the supplier, Also time of supply as per purchase order not followed by the supplier, but No action or penalty charged against such suppliers.	Requisition from the concerned department attached in the file. However, in case of late delivery of supply of material by the supplier ,LD not deducted since clause was not mentioned in the invitation letter/Purchase order generated from old PMSS web portal. Now PMSS has been modified and LD clause has been included in invitation letter/Purchase order generated. In case of late supply of material ,LD will be deducted from those supplier to whom purchase order will be issue now onwards.	No TDS & GST TDS Compliances on time	Complied	No TDS & GST TDS Compliances on time	Complied
2	DCE	Stock Register and Leave Register are not properly maintained. Material may be misused because of Non- updation of Receipt & Issue item,non-balancing in stock register . Issue item not indicated for concerned department & signature of Receiving Person is also unavailable. So in this case, management should take proper action in this regard	This was due to old practice, after taking note of audit observation, in new practice this has been taken Care of.	No TDS & GST TDS Compliances on time	Complied	No TDS & GST TDS Compliances on time	Complied
3	GCE	Being Amount spent for loknath infotech kolkata Repair & Maintenance work ,But no any	Repair of equipment in three laboratories of civil engineering department has been done by the firm loknath infotech,kolkata on the request of HOD CE department after getting endorsed by the principal .	No TDS & GST TDS Compliances on time	Complied	No TDS & GST TDS Compliances on time	Complied

		estimated, quotation ,comparative chart.					
4	LNJPIT	In terms of section 50 of the CGST Act -2017 applicable w.e.f. 01-20-2018 ,2% GST -TDS is required to be deducted on supplies of goods and services above 2.50 lakhs ,we observed that o GST TDS is deducted for payment above Rs. 2,50,000	It is being complied now and all the related returns are also field on timely basis.	No TDS & GST TDS Compliances on time	Complied	No TDS & GST TDS Compliances on time	Complied
5	MCE	PMSS is not reconciled with PFMS	PMSS updation is in progress.	No TDS & GST TDS Compliances on time	Complied	No TDS & GST TDS Compliances on time	Complied
6	MIT	Method of Procurement, work order purchase committee meeting, Stock Register indexing /BOG approval not held with Vouchers in some cases.	institute takes departmental requisition and procurement in separate files, which was lying in the department with concerned lab in charge and unfortunately, they were on election duty.	No TDS & GST TDS Compliances on time	Complied	No TDS & GST TDS Compliances on time	Complied
7	NCE	Requisition from the concerned department not found. There was delay in supply of material by the supplier, Also time of supply as per purchase order not followed by the supplier, but No action or penalty charged against such suppliers.	Vendors need time extension in some cases, they requested institute with proper reason, if their request is considerable, institution extends the time limit, so no deduction was made.	No TDS & GST TDS Compliances on time	Complied	No TDS & GST TDS Compliances on time	Complied
8	AKU	Requisition from the concerned department not found. There was delay in supply of material by the supplier, Also time	Vendors need time extension in some cases ,they requested institute with proper reason ,if their request is considerable ,institution extends the time limit, So no deduction was made.	Planned Budget Not Achieved as per PMSS	Procurement File work is under process .Noted for	No TDS & GST TDS Compliances on time	Complied

		of supply as per purchase order not followed by the supplier, but No action or penalty charged against such suppliers.			future Compliances.		
9	SPIU,Bihar	In terms of section 50 of the CGST Act, 2017, applicable w.e.f. 01.10.2018,2% GST-TDS is required to be deducted on supplies of goods and services above Rs.2.50 lakhs, we observed no GST TDS is deducted for payment above Rs.2,50,000/-.	Complied	In terms of section 50 of the CGST Act, 2017, applicable w.e.f. 01.10.2018,2% GST-TDS is required to be deducted on supplies of goods and services above Rs.2.50 lakhs, we observed no GST TDS is deducted for payment above Rs.2,50,000/-.	Complied		

Annexure A

S. No.	Name of the institute	No. of new labs developed	Name of the lab	Total Amount incurred in (C) In lacs	No. of labs upgraded/modernized	Name of the Lab	Total Amount incurred in (F) In lacs	No. of equipments procured for R&D activities	Total Amount incurred in (I) In lacs
1	Bhagalpur College of Engineering Bhagalpur	3	SSPD Lab, PHE Lab, Microwave Lab	110.96	14	Analog& Digital Electronics, Communication lab, Electrical-Machine Lab, Digital Electronics, PPAS Lab, Power Electronics Lab, Control System Lab, , Mechanical Workshop, Survey Lab, Hydrology Lab, Heat & Mass Transfer Lab, RAC Lab, Network Theory Lab, Proteus Software	169.56	Power Electronics Lab (CASPOC Software), Power System Lab (DigSilent Software), EDWinXP Software for PCB Lab, EMPYREAN ZENI EDA SOFTWARE for VLSI Lab	86.44
2	Darbhanga College of Engineering, Darbhanga	1	CADD Lab (for ME and CE Dept.)	59	24	1. Electronic Design Lab 2. Electrical Machine Lab 3. Network Theory Lab 4. BEE Lab 5. PSD Lab 6. LCT Lab 7. PE Lab 8. Workshop Lab 9. Strength of material Lab 10. Fluid Machinery Lab 11. Dynamics of machinery Lab 12. Heat and mass transfer lab 13. Refrigeration and air conditioning lab. 14. IC Engine Lab	349.236		

						<p>15. Production Lab 16. Design Lab 17. Physics Lab 18. Chemistry Lab 19. Computer Lab 20. Geotech Lab 21. Surveying Lab 22. Material Testing Lab 23. Environmental engg. Lab 24. Transportation Lab</p>			
3	Gaya College of Engineering, Gaya, Sri Krishna Nagar	13	<p>Dept. of Civil Engineering 1) Hydrology Lab 2) CSI Software Department of Mechanical Engineering 1. CAD CAM Lab 2. Heat and Mass Tranfer 3. Fluid Mechanics 4. Fluid Machinery 5. IC Engine 6 ANSYS Software Department of EEE 1) Electrical Machine Lab (AC Machine Lab and DC Machine Lab) 2) Protection of Power Apparatus and System (PPAS) Lab 3) Advance EElectronincs Lab (Analog Electronics, Basic Electronincs and Communication Lab) 4) PROTEUS VSM Lab Department of Computer Science and Engineering 2</p>		<p>Department of Mechanical Engineering - 1 Department of Civil Engineering- 02</p>	<p>1. Strength of Material 2) Transportation Lab 3) Concrete Lab</p>			

			New Lab Setup (Cost Included with Computer Centers)						
4	Lok Nayak Jay Prakash Institute of Technology, Chapra,	7	1. Network Theory Lab 2. Analog Electronics Lab 3. RAC Lab 4. Fluid Machinery Lab. 5. IC Engine Lab 6. Power Electronics Lab 7. Microprocessor Lab	76.1	12	1. Workshop 2. DOM Lab. 3. Basic Electronics Lab 4. Basic Electrical Engg. Lab 5. Electrical Measuring Instrument Lab 6. Electrical Machine Lab I 7. Environmental Engineering Lab 8. Field measurement Lab 9. Civil Lab maintainance 10. Chemistry Lab 11. Language Lab 12. Computer Lab	113.61	12	7.98
5	Motihari College of Engineering, Motihari	4	1. CAD / CAM Lab 2. Simulation Lab 3. PCB Design Lab 4. Language Lab	120.01	27	1.Civil Engineering(Transportation Lab) 2.CONCRETE LAB 3.Environmental Lab 4.Material testing Lab 5.GEOLOGY LAB 7.NetSim(Academic)(Networking lab) 8.Analog electronics Lab 9.Basic Electrical Engineering Lab 10.Communication System Lab 11.Electrical Machine Lab 12.Linear Control Theory Lab 13.Measurement Lab 14.Power Electronics Lab 15.Power System Protection Lab 16.Network Theory Lab 17. 3D Printing 18.Bottom type Stir Casting 19.DOM Lab 20.Fluid Mechanics And Machinery	310.04		

						Lab 21.Hydraulic Lab 22.REFRIGERATION AND AIR CONDITIONING LAB 23.Steam Power System Lab 24.Heat and Mass transfer lab 25.MANUFACTURING AND WORKSHOP LAB 26.STRENGTH OF MATERIALS LAB 27.PHYSICS LAB			
6	Muzaffarpur Institute of Technology	8	1.Computer Lab 2.INST. Inst. Lab 3.Material lab 4.SSP Lab 5.PPAS Lab 6.Network lab 7.leather Product Lab 8.Principal Material testing lab	139.37725	25	1.Steam Power Lab 2.Engg. Mechanics Lab 3.Heat Transfer Lab 4.Rac Lab 5.IC Engine Lab 6.Workshop 7.VLSI Lab 8.Microprocessor lab 9.DE lab 10.Be lab 11.AE lab 12.EM-DSO lab 13.LCT Lab 14.BEE lab 15.EM Lab 16.Physics Lab 17.Chemistry Lab 18.Computer Center 19.Concrete lab 20.Environmental lab 21.highway engineering lab 22.Geotechnical lab 23.Surveying laboratory 24.Fluid Mechanics laboratory 25.MOS lab	256.98979		

7	Nalanda College of Engineering, Chandi, Nalanda	5	1. Computer Aided Design 2. Internet of Things 3. Embeded Design & Simulation 4. Strnghth of Material 5. DSP Lab	0.8052	6	1. EEE Lab 2. Civil Lab 3. ME Lab 4. CSE Lab 5. Physics Lab 6. Chemistry Lab	1.6703	1	0.1932
8	NIT Patna	2	1. Language lab 2. Computational lab	4754750	9	1. Water Resource Lab 2. Electrical Machine lab 3. Advanced Industrial Drives and Control Lab 4. Power Electronics Lab 5. CST Studio Suit 6. Computing Server 7. Applied Thermodynamics Lab 8. Central Library 9. Institute (TEQIP Office, etc.)	22737784.01		

Annexure B

SPIU BIHAR_ Technical Education Quality Improvement Programme (TEQIP)-III Progress Report

EXPENDITURE STATUS																																																																	
#	Activity	Target	Status						Issues																																																								
1.	Total Expenditure Status	45% total Expenditure by Sep 2019 Revised target – total exp. should be 70% and procurement exp. should be 95% by March 2020	Total Funds allocated – Rs. 88.20 Cr Total Spent by Colleges & AKU – Rs. 59.13 cr (67.04%) Expenditure (All figures in Rs. Crores) <table border="1"> <thead> <tr> <th>Category</th> <th>BCE</th> <th>DCE</th> <th>GCE</th> <th>LNJ</th> <th>MCE</th> <th>MIT</th> <th>NCE</th> </tr> </thead> <tbody> <tr> <td>Academic</td> <td>1.8</td> <td>1.7</td> <td>1.7</td> <td>1.47</td> <td>1..37</td> <td>2.32</td> <td>2.09</td> </tr> <tr> <td>Procurement</td> <td>5.75</td> <td>5.8</td> <td>5.58</td> <td>5.3</td> <td>5.38</td> <td>6.57</td> <td>5.35</td> </tr> <tr> <td>IOC</td> <td>0.33</td> <td>0.44</td> <td>0.54</td> <td>0.78</td> <td>0.49</td> <td>0.6</td> <td>0.45</td> </tr> <tr> <td>Total</td> <td>7.88</td> <td>7.94</td> <td>7.82</td> <td>7.55</td> <td>7.24</td> <td>9.49</td> <td>7.89</td> </tr> <tr> <td>Tot.Allocation</td> <td>10</td> <td>10</td> <td>10</td> <td>11</td> <td>10</td> <td>11</td> <td>10</td> </tr> <tr> <td>% Exp.</td> <td>78.8</td> <td>79.4</td> <td>78.2</td> <td>68.64</td> <td>72.4</td> <td>86.27</td> <td>78.9</td> </tr> </tbody> </table>						Category	BCE	DCE	GCE	LNJ	MCE	MIT	NCE	Academic	1.8	1.7	1.7	1.47	1..37	2.32	2.09	Procurement	5.75	5.8	5.58	5.3	5.38	6.57	5.35	IOC	0.33	0.44	0.54	0.78	0.49	0.6	0.45	Total	7.88	7.94	7.82	7.55	7.24	9.49	7.89	Tot.Allocation	10	10	10	11	10	11	10	% Exp.	78.8	79.4	78.2	68.64	72.4	86.27	78.9	
Category	BCE	DCE	GCE	LNJ	MCE	MIT	NCE																																																										
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2.	Procurement Expenditure Status	100% Procurement expenditure to be completed by 31 st March 2020	Achieved – 90% procurement expenditure completed by colleges, 50% by AKU, Overall 84.78% proc. Exp done. Total Procurement Budget – Rs. 49.68 crores Total Spent by Colleges & AKU – Rs. 42.12 cr (67.04%)																																																														
3.	Academic Expenditure Status	100% by Sep 2020	Total Academic allocation of all Colleges and AKU= Rs. 29.7 crores Total Academic expenditure so far = Rs. 12.9 cr (43%)																																																														
DISBURSEMENT LINKED INDICATORS (5)																																																																	
1.	NBA Accreditation	SAR to be uploaded for 75% programs by June 2020	Achieved – 90.32% - Eligible Programs – 31, SAR Uploaded – 28 Team visits – 4 programs, Accredited – 0, Upcoming team visits- 10 programs (MIT-6 programs, BCE – 5 programs)						A.Requirement for NBA team visit of MIT Muzaffarpur: <ul style="list-style-type: none"> • Electrical Engineering Department- for SFR- 1:25, 3 teachers required • Faiz Ahmed from Saharsa must be included. Since he was posted at MIT 2017-18 • Information Technology, for SFR- 1:25, 3 teachers required 																																																								

				<p>B. BCE Bhagalpur has zero Associate Professor in Civil, Mech and CSE. Following is the requirement,</p> <ul style="list-style-type: none"> • Require 1 Associate Professor or Professor in each of the CSE, Civil and Mechanical departments in each of the aforesaid departments. Hence 3 Associate Professors required. • At least 4 Assistant Professors are required in CSE to meet the necessary SFR for visit in March 20 <p>C. GCE Gaya, for the NBA team visit in March,</p> <ul style="list-style-type: none"> • At least 1 Professor or Associate Professor in Civil and • At least 1 Associate Professor or Professor in Mechanical • At least 3 assistant Professors in mechanical
2.	Institutional Autonomy	Target – 55% institutes from all over India	NPIU has a target of 55% for autonomy which means that the 55% of the institutes all over India should file for Autonomy by September 2020.	_____
3.	Quarterly BOG Meetings – 2019-20	Hold BoG meetings each quarter and upload the BoG minutes on website	<p>Total quarters since the formation of BoG in October 2017 = 9</p> <ul style="list-style-type: none"> • MIT Muzaffarpur, GCE Gaya, LNJPIT Chapra, NCE Chandi – 9 meetings • DCE Darbhanga, MCE Motihari, BCE Bhagalpur and AKU, Patna – 8 meetings <p>Since Jul-Sep 2018 quarter, BoG meetings are held in each quarter and the minutes are uploaded on website on time</p>	_____
4.	GATE Training of 300 hours - 2019-2020	70% of final year students to be trained for GATE exams	<p>Achieved – 76.3% students being trained in 7 colleges</p> <p>Total final year students in 7 colleges – 1701</p> <p>No. of students taking GATE training - 1298</p>	_____
5.	Expenditure Status	45% total Expenditure by Sep 2019	<p>Total Funds allocated – Rs. 88.20 Cr</p> <p>Total Spent by Colleges & AKU – Rs. 59.13 cr (67.04%)</p>	_____

AICTE MANDATE IMPLEMENTATION				
#	Activity	Target	Status	Issues
1.	Induction Program	To conduct 21 days induction programmes for 1 st year students right after admissions	All colleges conducted induction programs in 2018 and 2019.	Bridge Courses to be included in the Induction program Schedule
2.	Start-Up	Establishment of Start-up Cell, Seed money to students, conduct hackthons etc.	Start-up Cell has been established in every college and each college has a Start-up Coordinator Hackathons organized at, DCE Darbhanga – 12-15 Sep 2019 LNJPIT Chapra – 26/8/2019 MIT Muzaffarpur - 15-16 th January 2020 GCE Gaya – 14/9/2019 BCE Bhagalpur – 05/02/2020 MCE Motihari – 2-3 April 2019	_____
3.	Mandatory Internship	Conduct Internship as per AICTE guidelines	All institutes are sending students for internship but the AICTE guidelines are not being followed	<ul style="list-style-type: none"> • Planning of Summer internship for 2nd, 4th and 6th Semester students to be completed by March 2020 so that the internship are implemented in Summer on time. • AICTE Internship guidelines to be implemented
4.	Curriculum Revision	Revision of curriculum	The UG Engineering Curriculum for all 4 years has been revised by AKU. The colleges have been advised to sent any observations regarding syllabus to AKU for consideration in the Academic Council.	_____
5.	Industry Readiness	Skills training	Employability skills training for 200 hours is being conducted in 7 TEQIP Colleges in 2018 and 2019.	GCE Gaya only completed 32 hours of training in 2018, however in 2019 the training is as per schedule.
6.	SWAYAM	i. SWAYAM Courses to be included in curriculum	i.MOOC/SWAYAM courses have been made mandatory and the courses are a part of syllabus now and 6 to 8 credits in four years of study have been allocated to MOOC courses. ii.Achieved – 31%	_____

		ii. Participation of Faculty in SWAYAM Course- ARPIT- 100% faculty member should ARPIT certification by 30/4/2020	Out of 356 total Faculties (regular + contract + adhoc) in 7 colleges, 110 have been certified for SWAYAM ARPIT course. The rest are to be certified by 30th April 2020	
7.	SWAYAM Prabha	Swayam Prabha Classrooms to be set up in each college	SWAYAM Prabha classrooms have been setup in all 7 institutes. Very soon SPIU will start collecting attendance and class schedule.	Swayam Prabha schedule to be included in regular time table
8.	Mandatory Accreditation	i. 50% programs in each college to upload SAR before June 2019 ii. 75% programs in each college to upload SAR by June 2020	Total 31 Programs, SAR uploaded for 28 programs, NBA team visit for 4 programs, Accredited - 0 i. All colleges uploaded SAR for 50% programs ii. Since NBA visit happened for 2 programs in each college and both programs were not accredited, LNJPIIT Chapra and NCE Chandi will have to upload 2 SARs each before June 2020 to reach the 75% upload target	
OTHER INITIATIVES BY NPIU				
#	Activity	Target	Status	Issues
	GATE Training of 300 Hrs	_____	Listed above	_____
	Employability Skill Training of 200 hours - 2019-20	To Conduct 200 hrs of training for either 4 th yr or 3yr students or both	Achieved – 83.1%, 3 rd yr students being trained in 7 colleges Total Third year students in 7 colleges – 1592 No. of students taking Emp Skills training - 1323	_____
	AMCAT Employability Test 2019-20	Conduct the test for all students of the colleges from 1 st to 4 th year	48.46% of students took the AMCAT test Total students in 7 colleges – 7262 Students who took the AMCAT test - 3519	AMCAT test has not been conducted for 1 st year students by MCE Motihari, MIT Muzaffarpur, DCE Darbhanga

Jio Wi-Fi - In June 2018, NPIU empanelled M/s Reliance Jio Infocomm Limited for providing WI-FI facility in colleges at Rs. 100 per month per at 4Mbps and for 1 GB data per user per day.	To be implemented in all institutes	All colleges of Bihar opted for Reliance Jio connection. The charges are being paid by NPIU.	
Performance Audit	To score less than 1.5 in overall audit To score less than 1 in twinning activities	Achieved in Second Phase– Two phases of Performance Audit have been conducted <ul style="list-style-type: none"> In 1st phase – None of the colleges or AKU scored less than 1.5 and the State average was 2.02 In 2nd Phase, all colleges scored less than 1.5 in overall audit and less than 1 in twinning activities and State average PA score was 1.26 	
Annual Reports of Colleges	Target- To publish annual reports each year	6 Colleges have published Annual Reports	BCE Bhagalpur has not yet published an Annual Report
MIS by IIT Kharagpur		In May 2019, NPIU signed MoU with IIT Kharagpur for providing ERP solution customized to suit the requirements of every individual institute before the conclusion of TEQIP-III in September 2020. Five institutes from Bihar, MIT Muzaffarpur, BCE Bhagalpur, MCE Motihari, LNJPIT Chapra, NCE Chandi opted for the ERP Solution. GCE Gaya and DCE Darbhanga did not opt for it.	
Digital Boards		61 digital boards have been sent to 5 institutes from Bihar who were selected to received Digital Boards and training of faculty,	

			MIT Muzaffarpur, MCE Motihari, LNJPIT Chapra, NCE Chandi, GCE Gaya. BCE Bhagalpur and DCE Darbhanga were not selected.	
	Tinkering lab	_____	All colleges have opted for procurement of tinkering labs by NPIU	_____
	NASSCOM Faculty training in future skills	_____	NPIU has selected teachers for training in key skills by NASSCOM. 184 faculty have been selected from Bihar.	<ul style="list-style-type: none"> • Number of faculty trained on IT-ITes Skills at IIT under future skill initiative of TEQIP may become a performance benchmark. • Most of the faculty who had initially shown interest in attending the IT/ITes training skills program at IITs are not attending it. This may affect the performance benchmark
	Twinning Activity Status	_____	The Twinning action taken report for a period from Jul-Dec 2019 and the Twinning action plan for a period from Jan-Jun 2020 has to be submitted to SPIU by colleges and AKU by 22.01.2020.	There are many twinning activities between IIT Patna and DCE Darbhanga which have not been accomplished yet.
	Collaborative Research Scheme (CRS)	At least 1 project from each TEQIP College - 7	Achieved – 48 projects from 7 TEQIP Colleges were selected by AICTE. Total funding of Rs. 522 lakhs was received in research grants.	_____
	Equity Action Plan (EAP) [Detailed EAP Report format attached as Annexure G]	<ul style="list-style-type: none"> i. EAP action taken to be submitted by 30th Jan 2020 ii. EAP action plan for Jan-Sep 2020 to be submitted by 30th Jan 2020 	<ul style="list-style-type: none"> i. All institutes have submitted the Action Taken Report for EAP plan submitted from July-Dec 2019 ii. All institutes have submitted the Equity Action Plan for Jan-Sep 2020 	_____
	Environmental Management Framework (EMF) [Detailed EMF Report format	<ul style="list-style-type: none"> i. EMF action taken to be submitted by 30th Jan 2020 ii. EMF action plan for Jan-Sep 2020 	<ul style="list-style-type: none"> ii. The formats for Action taken had been circulated in October 2019, however all institutes are yet to provide complete information. A follow up is being done. v. The institutes have been asked to submit the action plan of EMF for Jan-Sep 2020 by 5th February 2020. 	_____

	attached as Annexure 2]	to be submitted by 30 th Jan 2020																						
	Status of Data upload on NPIU -MIS	90%	Achieved – 90% and above data submitted by all colleges and AKU, Patna	_____																				
STUDENT PLACEMENT																								
	Branch-wise Details of Placement Status & Gate Qualified Students	_____	Placement record of 7 TEQIP institutes are as follows, <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Year</th> <th>Total 4th yr. students</th> <th>Total placed</th> <th>% Placed</th> </tr> </thead> <tbody> <tr> <td>2016-17</td> <td>1768</td> <td>132</td> <td>7.5 %</td> </tr> <tr> <td>2017-18</td> <td>1654</td> <td>93</td> <td>5.6%</td> </tr> <tr> <td>2018-19</td> <td>1640</td> <td>151</td> <td>9.2%</td> </tr> <tr> <td>2019-20</td> <td>1719</td> <td>59</td> <td>5.7%</td> </tr> </tbody> </table> The data also includes off-campus placement	Year	Total 4 th yr. students	Total placed	% Placed	2016-17	1768	132	7.5 %	2017-18	1654	93	5.6%	2018-19	1640	151	9.2%	2019-20	1719	59	5.7%	The Training and Placement (T&P) Cells at College level need to be strengthened. More efforts are required for placements at college level
Year	Total 4 th yr. students	Total placed	% Placed																					
2016-17	1768	132	7.5 %																					
2017-18	1654	93	5.6%																					
2018-19	1640	151	9.2%																					
2019-20	1719	59	5.7%																					

KEY PERFORMANCE INDICATORS

No.	Indicator	Sub-Type	Academic Year 2018-19		Academic Year 2019-20	
			Target	Actual* Achievement	Target	Actual* Achievement upto 20 th May 2020
(A) Students						
1.	Average score of students participating in tests designed to measure technical and critical thinking skills		5% increase over baseline	Endline result being computed by Stanford University	NA	NA
2.	Transition rate of UG engineering students from the first year to second year in participating institutes	All students	55%	56.6%	60%	Examinations for current academic year yet incomplete
		SC/ST students	45%	46.32%	50%	

		Female students	50%	62.92%	55%	
(B) Quality of Education						
3.	NBA-accredited programs in participating institutes	UG (Applied-for & Accredited) (DLI#1)	35%	92.59%	50%	74.19%
		PG (Applied-for and Accredited)	19%	NA	24%	NA
4.	% of participating institutes in Focus States that train final year engineering students to take exit examination (e.g. GATE) (DLI#4)	NA	50%	100%	60%	100%
5.	Student, Staff, and Faculty Satisfaction Survey (on 5 point scale)	NA	4.25	3.8	4.5	Date extended upto 20 th May for gathering responses
(C) Equity						
7.	% of students from traditionally disadvantaged groups in total enrolment in participating institutes: (a) SC/ST (b) Women	SC/ST students	18%	17.27%	20%	18.01%
		Women students	28%	16.77%	30%	15.52%
8.	Direct project beneficiaries (Number)		1,614,472	7163	3,210,204	5613

9.	Female beneficiaries (Percentage)		28%	16.40%	30%	15.13%
10.	No. of engineering institutes in Focus States that meet the enabling mechanisms for participation in the project		85%	0	95%	0
11.	% of participating institutes in Focus States with autonomy (DLI#2)		50%	0	55%	0
(D) Faculty						
12.	% of sanctioned faculty positions in participating institutes filled by regular or contract faculty	Focus States	65%	65.71%	85%	73%
13.	No. of faculty trained in either their subject domain, pedagogy, or management in participating institutes (Cumulative)	Focus States	40%	--	55%	--
(E) Research & Development						
14.	% of PhD students in total enrolment in engineering disciplines in participating institutes	Focus States	2.72%	0	3.20%	
15.	% of externally funded R&D projects and consultancies in total revenue in participating institutes	Focus States	5%	--	7%	--
(F) Governance/Management						
16.	% of participating institutes in Focus States with a Board of Governors (BoG) composed as per prescribed structure and meets at least 4 times a year with minutes of the meeting posted on their institution website (DLI#3)	Focus States	70%	100%	95%	100%

17.	% of participating institutes that produce and publish an annual report in prescribed format in accordance with the requirements set out in the PIP	Focus States	60%	100%	85%	100%
(G) Affiliating Technical Universities (ATUs)						
18.	No. of functional research hub in ATUs	Each State	9	1	12	1
	Participation of affiliated institutes in participating ATUs in newly designed research hub related activities (Number)	Focus States	25	27	40	27
19.	No. of participating ATUs with MIS capable of producing annual report against prescribed indicators	Focus States	3	1	5	1
20.	No. of participating ATUs in Focus States that publicly declare final semester examination results before the start of the next academic year	Focus States	3	1	6	Examinations for current academic year yet incomplete

Annexure C

Minutes of Meeting Industry Institute Meet 15.02.2020

A Industry meeting on building an Industry-Institute relationship was held on 15th February 2020 at Hotel Maurya, Patna at from 10:30 am to 4:30 pm. The meeting was held under the Chairmanship of Shri Chaitanya Prasad, Principal Secretary Department Of Science & Technology, Govt. of Bihar. The meeting was attended by the following members,

1.	Shri Sanjeev Kumar	Director	Department of Science & Technology, Govt. of Bihar
2.	Shri Bhanu Pratap Singh	State Project Administrator	SPIU Bihar
3.	Shri N.K.P. Sinha	Technical Advisor	BSPHCL
4.	Shri Anurag Sinha	Senior Manager (HR)	NTPC
5.	Shri Faraz Khan	Hub Project Manager	Windmoler & Holscher
6.	Shri Saibal Sinha	Zonal head east	TCS
7.	Shri Prabhat Kumar Sinha	Director	Astric computers Pvt. Ltd
8.	Shri M.V.Balasubrahmanyam	CEO	Lalitam Labs
9.	Shri Winnie Karan Eluri	CEO	Study n Jobs, Hyderabad
10.	Shri Dr. B. Ebenezer	Students Psychology Specialist cum Co-founder	Study n Jobs, Hyderabad
11.	Shri Vijay Kumar	CEO	Digital Fort Pvt. Ltd., Bangalore
12.	Shri Shamsundar Naik/Yogesh Bochare	Sr. Director	Education & Skill Development MSC Software Corporation
13.	Shri Samrat M. Jha	Asst. Director	MSME-DI, Patna
14.	Shri Shivam	Founder & MD	Code Bucket Solutions Pvt. Ltd.
15.	Shri Nandan Mishra	EICT Academy	IIT, Kanpur
16.	Shri Mukesh Kumar	EICT Academy	IIT Kanpur
17.	Shri Nishant Singh	MD	Forensic Investigations and Consultancy Services
18.	Shri Prajeet Prabhakaran	Manager	Kerala Startup Mission, Kochin, Kerala
19.	Chandan Mukherjee	GM (OPS)	outline Systems (I) Pvt. LTD
20.	Dr. Jose V Parambil	TPO	IIT Patna
21.	Shri S.M. Ejaz Ahmad	Board of Practical Training (BOPT), MHRD	Director
22.	Shri Sajid Iqbal	GE Transportation	Director HR
23.	Shri Ajay singh	Soft pro Group	Director
24.	Shri Anuj Budhiraja	Stratasys	RM- NorthEast
25.	Shri Prasad Rodasi	ALTEM	Founder Director
26.	Dr Achintya	BCE/DCE	Principal
27.	Dr S.N.Sharma	LNJPIT Chapra	Principal

28.	Dr.R.C.Prasad	MCE Motihari	Principal
29.	Dr C.B. Mahto	NCE Chandi	Principal
30.	Dr Anant kumar	DST	Joint Director (S)
31.	Dr Chandrashekhar singh	DST	Joint Director (T)
32.	Dr Sudhir Kumar	Prof. In-charge corporate	IIT Patna
33.	Rajeev Ranjan	AKU, Patna	COE aim Registrar (rec
34.	Ramji Singh	AKU, Patna	OSD(Exam)
35.	Rakesh Kumar	Techchef	MD&CEO
36.	Dr. Bikaschandra	Deptt. Director	DST Bihar
37.	Shree Bhagawan Das	Secretary SBTE	Secretary
38.	Dr J N Jha	Principal	MIT Muzaffarpur
39.	Rama shankar Singh	Dy. Director (Technical)	DST Bihar
40.	Md Atiqur Rahman	Asst. Director (T)	DST Bihar
41.	Md Afroz Afzal	OSD	DST Bihar
42.	Jainendra Kumar	consultant	SANMARG
43.	Kailash Kr. Mshto	Start up coordinator	GCE Gaya
44.	Ashish Kumar	Teqip co-ord	MIT Muzaffarpur
45.	Zafar Ayub Ansari	Asstt. Prof.	LNJPIT Chapra
46.	Diwakar Mishra	SPA	SPIU Chhattisgarh
47.	Dr. Bushra Zaman	Consultant (Academics)	SPIU Bihar

The meeting started with a Welcome address by Director, Science & Technology, Govt. of Bihar. Shri Sanjeev Kumar, discussed the background of technical education in Bihar and gave a introduction about the various initiatives taken by Department of Science and Technology for improvement of technical education of Bihar.

Principal Secretary, DST Bihar discussed the steps being taken for the training and placement of students and the concerns regarding student placements an internship. He discussed the requirement of skills, placements opportunities, internships, training and capacity building of the students. Further on, he discussed the requirement of industry-based curriculum and the coordination required between industry and academia for expert lectures, workshops, symposia, and faculty and students visit industry. Short term assignments of faculty and students in the industry and industry people to guide B.Tech and M.Tech projects. He discussed the requirement of establishment of Centers of excellence and the MoU with industries for research and development.

Further, an introduction session was held by all the delegates from the industry. A presentation was given by Mr. Kameshwar Rao Pallapu, T&P Officer, DST, Bihar. Mr. Rao discussed about DST Bihar and its various wings, the TEQIP-III project and its implementation in Bihar, the initiative taken by AKU, Bihar for improvement of technical education. The concept of equity and the various steps being taken to ensure equity was also discussed. The implementation of various schemes of Govt. of India and Govt. of Bihar was also discussed like PMKVY, etc. Recently DST Bihar has commenced the implementation of various AICTE schemes in the State Govt. of Engineering colleges and Polytechnics which were discussed. Bihar Council of Science and Technology and its various policies for students and faculty were discussed including the

policies regarding patenting and IPR. The implementation of Bihar Skill Development Mission and Kushal Yuva Program was also discussed. The initiative of CISCO-CCNA training for faculty and students was discussed.

Session-I: Brainstorming on training & Placement opportunities for students, Internship with a possibility of students being absorbed for jobs, entrepreneurship, Start-Ups & patents their Commercialization

- Dr. Ebenezer, Students Psychology Specialist cum Co-founder Study & Jobs, Hyderabad recommended that Psychometric testing of students should be done because it will reveal the skills gap and also the interest and expertise of the students. Categorization is done in a positive manner and based on competency mapping a right direction can be given to the students.
- Mr. Vijay, CEO, Digital Consultants Pvt. Ltd., Bangalore suggested that founding various clubs in the engineering colleges and training of students in future skills will be of great help. He also said that his company can help in the establishment of Center of Excellence (CoE) in Blockchain in Patna.
 - He suggested that Department of Science & Technology should launch a branding and Marketing channel on Youtube on which the achievements of DST, Bihar and the expertise of students and faculty can be showcased.
 - He recommended that students and faculty should aim for professional certification. He informed that Digital Consultants can help with patenting processes and trainings in emerging technologies
- Dr. Ejaz Ahmad, Director, Board of Practical Training, Kolkata suggested that more and more students should be exposed to industry. Both apprenticeship and internship of students should be pursued.
 - There should be adequate time in the curriculum for industry exposure of students.
- Mr. Prabhat Sinha, Director, Astric Computers, Patna suggested that it is the need of the hour to train the students on future skills and soft skills. The students should be asked to pursue their internship more seriously and if required DST, Bihar can provide sponsorship to the students for pursuing internships for covering at least part of the costs.
 - Psychometric tests for the students need to be conducted

He informed that Astric Computers can provide internships to 200 students.

- Mr. Sajid Iqbal, Director, HR, GE Transportation suggested that a data base of companies in Bihar should be maintained. Also, pool placements should be organized. A strong partnership with Industry is required for imparting of industry skills to students.
 - A tie up with TRTC can be done for teaching basic courses and for students to be trained before campus placements. Also, TRTC trainings of at least 3 to 4 months is required
 - Director(S&T) informed that two weeks of training TRTC training is already being imparted to the students.
 - A strong knowledge partner is required preferably a Govt. agency where they can run 3-4 months courses. It can be done through open tender.
 - Campus on wheels can be arranged. Network of people can be contacted who are interested to come to Bihar and make a difference here. Steps should be taken for improving the quality of students

- Director gave a brief about the Kushal Yuva Program, SWAYAM credits
- Mr. M.V. Balasubramanyam, CEO, Lalitam Labs, Bangalore suggested that the Engineering and Polytechnic colleges should adopt schools and create awareness about engineering education.
- Mr. Faraz Khan, Hub Project Manager, Windmoler & Holscher Pvt. Ltd., suggested that the students should also be trained on some foreign languages like German so that they can fit into the requirements of such companies.
- Mr. Saibal Sinha, Zonal Head-East, Tata Consultancy Services, Kolkata suggested that DST, Bihar should tie-up with industries for conducting skills training of the students. TCS is training and providing industry honor certification courses in almost 15 emerging areas like blockchain, AI, MI, Robotics etc. DST, Bihar may think about doing collaborating for such initiatives.
 - He suggested that Virtual lab for AI can be conducted and also hands-on training can be conducted as physical learning is required. TCS also organizes FDPs. It provides internships to students wherein a 90 hours course has been developed which is delivered to the students, a digital profile of the student is also created and is floated for the industries.
 - He informed that to address the growing need of engineering talent with skills in digital technology, TCS, in partnership with leading academicians across India, has designed a curriculum for 4 years undergraduate program on Computer Science titled "Computer Science and Business Systems (CSBS)". The CSBS program is a CSR program and has been approved by AICTE. Around 30 engineering colleges from all over country are running the CSBS program. He recommended that DST, Bihar may think about implementing the program in some of its colleges
- Mr. Winnie Karan Eluri, CEO, Study & Jobs, Hyderabad suggested that communication skills are necessary for the students. He pointed out that the major focus is on computer sciencedomain however, there are other branches like chemical engineering which have high paying jobs. He informed that Study & Jobs has created an app which makes the students aware about various career options after engineering.
- Shri Anurag Sinha, Senior Manager (HR), NTPC informed that quality training is not being imparted to the students. Information related to industrial visit and safety requirements during the visit should be provided to the students.
 - Industry specific subjects should be included in the syllabus including content on safety.
 - Faculty should be trained on safety so that they can handle students on site when they visit NTPC plants.
 - Experts from NTPC can come and train the faculty and students.
 - NTPC Kanti should also be approached for the training and internship of students.
- Mr. Nandan Mishra, Electronics & ICT Academy, IIT Kanpur recommended that the only skills required for success is excellence.
 - The benchmark for skills unfortunately is coming from industry instead from Academia. A culture should be created at institute level which should include,
 1. There should be community around S&T which should promote S&T and committee should be headed by students,
 2. The students should be given freedom for experimenting in labs and should be given the freedom to fail. The student should be asked to tell his own plans and

growth path and should be monitored by institute. Electronics & ICT Academy, IIT Kanpur can help create Venture models in the colleges

3. Excellence to be created and then TPO has to standardize its practice and students should be in the center place.

If the colleges follow the above three aspects, it can create its own talent pool which would be in demand. He also informed that Electronics & ICT Academy, IIT Kanpur has 100 internships and 20 jobs and can help establish at least 5 startups.

- Mr. Ajay Singh, Director, Soft Pro Group, suggested that the syllabus should be designed as per industry needs as sometimes the key skills required by industry is not found in the students.
- Shri Prajeet Prabhakaran, Manager, Kerela Startup Mission (KSUM), Cochin suggested that startup ecosystem should be established. Govt. driven Start-up eco-system should be established in Bihar. Bihar should have a policy for start-up and promoting entrepreneurship in colleges. An Innovation and Entrepreneurship Development Centre (IEDC) should be established and KSUM can provide help and guidance in such initiatives.
- Dr. Sudhir Kumar, Prof-In-Charge, Corporate, IIT Patna suggested that faculty empowerment should be done and faculty should take up real time project and involve students too.
- Shri Nishant Singh, MD, Forensic Investigations and Consultancy Services informed that he has a vacancy for 150 students who can be placed immediately into the cyber security domain.
- Mr. Samrat Jha, Assistant Director, MSME-DI, Patna informed that MSME can provide funds up to Rs. 15 lacs for developing an invention or for a startup idea.

Session-II: Open Discussion regarding Industry- Institute collaboration

- Dr. Ebenezer, CEO, Study & Jobs, Hyderabad – Problem statement can be given to students and faculty with timeline. Resource maximization. Flipped classrooms
- Mr. Prabhat Sinha, Director, Astric Computers, Patna suggested that a web platform can be developed that can serve as a common interface between academia, students and faculty and Industry. The students will be able to upload their ideas on the portal which will be accessed by Industry
- Mr. Nandan Mishra, ECIT, Kanpur proposed that FDP is arranged by them and it can be arranged in Bihar also. He suggested that the basics of the students should be strengthened and should be measurable and learning outcomes should be assigned to every activity. The following collaborative activities were proposed by ECIT,
 - Center of innovation and translational research in cyber physical systems (Interdisciplinary)
 - Faculty Development program
 - Corporate leadership and Govt. leadership
 - AI/ML/IoT, Super 3D
 - Joint Research Programs with faculty or industry sponsored and Govt. sponsored research
 - Labs – AI/IoT/Cybersecurity
- Mr. Sajid Iqbal, Director (HR), GE Transportation proposed that faculty and student visit to Rail factory in Chapra can be organized and also a visit to GE factory in Bangalore can be organized in March 2020.

- Dr. Ejaz Ahmad, Director, Board of Practical Training, Kolkata proposed that FDP can be organized from March to May 2020. He emphasized that the major stakeholders are students, industry and institute/govt. body and industry should not look for benefits in internships for students as eventually the trained manpower is going to help the industries
- Dr. Jagadanand Jha, Principal, MIT Muzaffarpur proposed that experts from Industry should be called to institutes for taking viva-voce exams of the students. Representatives from EICT Kanpur and NTPC confirmed that they can visit the institutes as examiners.
- Mr. Winnie Karan Eluri, CEO, Study & Jobs, Hyderabad proposed that for the students to gain more practical experience, Task can hold on-campus program and finishing schools. FDPs are also be organized where the focus should be on mechatronics. Telangana State Network (SoFTNET/T-SAT) ,T-SAT kind of a model can be implemented in Bihar.

Session-III: MoUs for Center of Excellence and Industry Sponsored labs

- Shri Prajeet Prabhakaran, Manager, Kerala Startup Mission (KSUM), Kochin suggested that a manufacturing start-up can be created and the new startups should be of both nature, software and manufacturing which will promote local employment.
- Mr. Samrat Jha, Assistant Director, MSME-DI, Patna informed that they can support DST, Bihar in creation small units/start-ups that can be a support center for MSME and also provide training and internships to students
- Mr. Saibal Sinha, Zonal Head-East, Tata Consultancy Services, Kolkata suggested that the nature of CoE should be decided first and then the industry which is working in that particular area should be contacted.
- Mr. Faraz Khan, Hub Project Manager, Windmoler&Holscher Pvt. Ltd., informed that Siemens sets up CoE in manufacturing in colleges.
- Dr. Ebenezer, CEO, Study & Jobs, Hyderabad informed that they setup Robotics lab and conduct regular trainings for faculty and students
- Mr. Vijay, CEO, Digital Fort Pvt. Ltd., Bangalore informed that Digital Fort Technologies can help in setting up CoE in blockchain and AI and IOT in colleges of Bihar. DST, Bihar should make a robust outreach programme and the pool of talent existing in colleges should be shared.
- Mr. Nandan Mishra, Electronics & ICT Academy, IIT Kanpur informed that there are four major stakeholders in CoE i.e. Makers, Instructor, Learners and Contributors (MILC) – Makers can get innovation pipeline, Instructors can get knowledge outcome, Learners can learn, Contributors can promote the ecosystem. The model of four major CoEs around the world, Israel (Cybersecurity), Canada (MILA), China (BAT), USA (SRJ), should be studied for more knowledge about CoE setups.
- Principal Secretary asked is CSR funding can support creation of CoE in colleges and it was informed that the Section 8 Companies can give funding for CoEs. He also informed the industry that very soon DST, Bihar will have its own CoE policy which will be prepared for which industry feedback will be taken. He also informed that the four CoEs in USA, Israel, and Canada can be visited.

The meeting was concluded with a vote of thanks by Principal Secretary, DST, Bihar.

Annexure D

Jan to Sep 2020											
Heads	Specific Activities	January	February	March	April	May	June	July	August	September	
Academic Processes	1.1.2.1	Improve Student Learning					Gate Training (27/05/20-31/06/20) INR-8000000	GATE reg. fee +TA/DA etc (20/07/20 -25/07/20) INR-250000			
	1.1.2.2	Research Assistantships		Research Assitantship (05/02/20 - 09/02/20) INR-250000	Research Assitantship (14/03/20 - 17/03/20) INR-250000	Research Assitantship (24/04/20 - 30/04/20) INR-300000			Research Assitantship 03/08/20 - 07/08/20 INR-250000		
	1.1.2.3	Graduate Employability	Employability Skill Training (20/01/20-10/03/20) INR-8000000						Employability skill training (06/07/20-11/07/20) INR-8000000		
	1.1.2.4	Faculty/Staff Development and Motivation	Workshop on AICTE (11/01/20-16/01/20) INR-2000000	Workshop on Pedology (01/02/20-03/02/20) INR-1200000	Subject Domain (13/03/20-14/03/20) INR-1300000	Induction Program Training (27/04/20-30/04/20) INR-1300000	Training on AICTE (11/05/20-15/05/20) INR-800000	FDP (08/06/20-12/06/20) INR-900000	FDP on AICTE Mandate (06/07/20-09/07/20) INR-1000000, FDP on Pedology (24/08/20) INR-500000	Workshop on Subject domain (24/08/20-28/08/20) INR-1000000	FDP on Subject Domain (02/09/20) INR-500000
	1.1.2.5	Research and Development			Funding on CRS (1/03/20-05/03/20) INR-4200000		Funding on CRS (22/05/20-30/05/20) INR-4200000				Funding on CRS (15/09/20-19/09/20) INR-4200000
	1.1.2.6	MOOC's and digital learning		Online Classes on Mooc's And Swayam (20/02/20-22/02/20) INR-500000				Reimbursement of Certification fees to faculty and Students (02/06/20-03/06/20) INR-200000		Cutification for Mooc's, Swayam (17/08/20-28/08/20) INR-500000	
	1.1.2.7	Mentoring/Twinning system	Workshop (17/01/20-22/01/20) INR-800000	Seminar (10/02/20-14/02/20) INR-700000	Workshop (23/03/20-30/03/20) INR-1000000	Faculty, Staff and Student's Exchange Program (02/04/20-04/04/20) INR-1000000	Training & Academic Activities (03/05/20-04/05/20) INR-1000000	Organising Industry Partnerships for Joint (01/06/20-02/06/20) INR-1000000	Seminar/Conference (15/07/20-16/07/20) INR-500000, Workshop (26/07/20-30/07/20) INR-500000	Seminar/Workshop (06/08/20) INR-500000, Workshop (14/08/20) INR-500000	
	1.1.2.8	Reforms, governance				Meeting and Workshops on academic reforms etc. (02/04/20-07/04/20) INR-100000					Workshop (10/09/20-12/09/20) INR-500000
	1.1.2.9	Management Capacity Development	Meeting (8/01/20) INR-100000	Workshop (25/02/20-27/02/20) INR-300000	Meeting (20/03/20) INR-100000					As per Required Meeting & Workshops INR-500000	
	1.1.2.10	Hiring Consultancy	As per Requirement (Hiring Cunsaltancy) INR-1800000			As per Requirement (Hiring Cunsaltancy) INR-1800000			As per Required (Cunsaltancy Hiring) INR-1800000		
	1.1.2.11	Industry-Institute Interaction		Pool Campus (17/02/20-28/02/20) INR-700000	Pool Campus (20/03/20-21/03/20) INR-300000			Pool Campus (08/06/20-09/20) INR-1000000 Pool Campus (22/06/20-23/06/20) INR-1000000	Pool Campus (3 Days) INR-300000	Pool Campus (5 Days) INR-500000	Pool Campus (2Days) INR-200000
TOTAL		7,10,00,000.00									

Annexure D - 1

Annexure E

Sl. No.	Name of the Institute	Branch	SWAYAM Prabha Room No.	Channel No.	Name of the course attended on SWAYAM Prabha	Is the course part of the subject curriculum/lesson plan? (Yes/No)	No. of students attending the course
1	BCE Bhagalpur	CE	304	12	Effective Writing	YES	28
		ME		17	Introduction to fluid Mechanics	YES	26
		EE		14	Electrical Machines -2	YES	17
		CSE	213	13	Problems solving through Programming in C , Data Structure and Algorithm using Python , Programming in JAVA	NO	10
		ECE		14	Digital Electronic Circuits	YES	30
			2				
2	DCE Darbhanga	CE	S15 (SMART CLASS ROOM)	12		YES	
		ME	S15 (SMART CLASS ROOM)	17		YES	
		EEE	S15 (SMART CLASS ROOM)	14		YES	
		CSE	S15 (SMART CLASS ROOM)	13		YES	
3	GCE Gaya	CE	SWAYAM PRABHA LAB 1	12	Geotechnical Engineering-1	YES	32
		ME		17	Introduction to Fluid Mechanics	Yes	22
		EEE		14	Signals and Systems	Yes	24

		CSE	COPUTER CENTRAL LAB	13	Soft Skill development	Yes	28	
4	LNJPIT Chapra	CE	Eduset Lab	12		Yes		
		ME		17				
		EEE		14				
		CSE		13				
5	MCE Motihari	CE	CAD/ CAM Lab	12		Yes		
		ME	CAD/ CAM Lab	17		Yes		
		EEE	DE LAB	14		Yes		
		CSE	DE LAB	13		Yes		
6	MIT Muzaffarpur	CE	Room No. 47	12		Yes	38	
		ME		17		Yes	66	
		EEE		14		Yes	34	
		IT		13		Yes	30	
		Pharmacy	TPO Conference Room					
		ECE		14		Yes	40	
		LT						
7	NCE Chandi				chlorination, design of one way slab, Sedimentation			
		CE	11	12		Yes	30	
		ME	8	17		Yes		
		EEE	14	14		Yes		
		CSE	105	13		Yes		

Aryabhatt Knowledge University, Bihar Audited by Dr. S. K. Prasad

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE
A. Effectiveness of funds utilized for widening impact of the project for the benefit of faculty/ students of affiliated institutions by ATU:	
1. Establishment of research hub (Y/N).	2
Documents Uploaded	
2. Utilization of research hub by faculty/ students of affiliated institutions (200 faculty/ Students of affiliated institutes).	3
Not Uploaded	
3. Increase in Percentage of affiliated institutes in participating ATUs in newly designed research hub related activities (Satisfactory/ Not Satisfactory).	3
Not Uploaded	
4. Availability of MIS/ ERP having student and faculty data of affiliated institutions (Y/N).	2
Documents Uploaded	
5. MIS is capable of producing annual report against prescribed indicators (Y/N).	2
Documents Uploaded	
6. Presence of modern HR system for efficient personnel management of University (Y/N)	2
Documents Uploaded	
7. Percentage utilization of the funds released by MHRD to the ATU (90%).	2
Documents Uploaded	
8. Percentage of expenditure accounted in the book of accounts against funds utilized (90%).	2
Documents Uploaded	
B. Improvement in Teaching, Learning and Research competence of affiliated institutions	
1. Availability of statute for autonomy (Y/N).	2
Documents Uploaded	
2. Number of autonomous institutes granted autonomy to affiliated institution on the approval of UGC (Min. 1, Max. 7).	3
Not Uploaded	

3. Number of applications of affiliated institutions forwarded to UGC for autonomy (Min.1, Max. 10).	3
Not Uploaded	
4. Ordinances making accreditation mandatory amended.	3
Not Uploaded	
5. Affiliation norms and formats making accreditation mandatory, failing which affiliation may not be granted, are available	2
Documents Uploaded	
6. No. of workshops arranged for faculty on accreditation procedures & Norms and rubrics for student's performance assessment are available.	2
Documents Uploaded	
7. Number institutions having atleast 3 programs NBA accredited/ applied for among eligible courses (Min. 20%, Max. 100%)	2
Documents Uploaded	
8. Increase in accredited/applied courses for NBA accreditation per year (Min. 10% of eligible programs, Max. 20%).	1
Documents Uploaded	
9. Availability of Massive Open Online Course (MOOCs) facilitating access of institution to MOOCs (Y/N).	2
Documents Uploaded	
10. Developed credit based systems for the students facilitating e-learning courses as a part of their degree programme (Y/N).	2
Documents Uploaded	
11. Number of days, before the start of the next academic year, final semester examination results are declared by ATU.	2
Documents Uploaded	
C. Implementation of AICTE mandate in affiliated institutes	
1. Affiliation process considers implementation of AICTE mandate by affiliated institutes (Y/N)	1
Documents Uploaded	

2. Academic calendar of ATU indicates the period for implementation of 3 weeks induction program for newly admitted first year students(Y/N)	2
Documents Uploaded	
3. ATU has conducted Training of faculty mentors from affiliated private institutes by experts for conduct of induction program(Y/N).	1
Documents Uploaded	
4. Percentage of newly admitted 1st year students of affiliated institutes attended three weeks Induction program conducted by mentor faculty of the affiliated institute (100%)	2
Documents Uploaded	
5. Design separate subject on development of leadership skills, entrepreneurship skills, managerial skills, communication skills, collaborative skills, etc. and incorporated in curriculum (Y/N).	2
Documents Uploaded	
6. Organized mock Interviews and Group Discussions (Y/N).	2
Documents Uploaded	
7. Instructed affiliated colleges to set up Language Labs for communication skills in every affiliated private institution (Y/N).	1
Documents Uploaded	
8. All affiliated institutions have formed Start-up cell/club with and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N)	2
Documents Uploaded	
9. Number of awareness drive/ workshops about the idea of 'Innovation' & 'Start-up' by ATU in affiliated institutions.	1
Documents Uploaded	
10. Number of competitions conducted by ATU for students of affiliated institutions on Idea stage, prototype stage, business plan, etc. every month	3
Not Uploaded	
11. No. of E-summits, conferences, seminars and Entrepreneurship fests conducted by ATU for students from affiliated institutions.	3

Not Uploaded	
12. Introduced choice based credit system (CBCS) (Y/N).	3
Not Uploaded	
13. Introduced flexibility of opting for credit transfer (As per UGC guidelines, 20% credit courses can be done through SWAYAM portal)(Y/N).	2
Documents Uploaded	
14. If credit transfer not possible, at least 1 course done by students through SWAYAM (Non-credit), appearing for examination & certification	1
Documents Uploaded	
15. No. of workshops organized for faculty to implement AICTE model curriculum.	2
Documents Uploaded	
16. Program-wise Industry Consultation Committee (ICC) consisting of Industry experts is available (Y/N).	2
Documents Uploaded	
17. ICCs have discussed on o Examining AICTE model curriculum for its suitability of industry demand in ICC (December every year) o Revision of curriculum o Vetting of PEO, PO, CO o Activities for industry institute interaction o Guidance/assistance on internships and placement	3
Not Uploaded	
18. Compulsory internship is included in the curriculum of all engineering degree programs in the form of credit course (Y/N).	1
Documents Uploaded	
19. Academic calendar prepared indicated completion of examinations in engineering degree programs before the	3
end of April every year for allowing students to take mandatory internship in vacation(Y/N)	
Not Uploaded	
20. Institutions are instructed to Identify faculty coordinator for internship program (Y/N).	1
Documents Uploaded	
21. Discipline specific list of industries/ companies/ organizations (small scale, MSME, large scale, Internshala etc.) is prepared (Y/N)	2
Documents Uploaded	

22. Instructed affiliated colleges to updating their website with all the details of students (contact info, CV, performance etc.) (Y/N)	1
Documents Uploaded	
23. Institute details and student profiles are communicated with the industries/ organizations/ companies (Y/N).	3
Not Uploaded	
24. Sign MoU/ Agreement with the industries for accommodating students of all affiliated institutions for internship (Y/N).	3
Not Uploaded	
25. Organized awareness workshops for students regarding the different career paths (Y/N).	3
Documents Uploaded	
26. Arranged industry conclave for the students and faculty of affiliated institutions (Y/N).	2
Documents Uploaded	
27. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%).	1
Documents Uploaded	
D. Effort made by ATU for Increasing faculty productivity and motivation	
1. Average percentage of sanctioned faculty positions in the affiliating institutes filled by regular or contract faculty in the affiliated institutes as per AICTE norms (1:20).	2
Documents Uploaded	
2. Visible efforts made by ATU for motivating institutions to fill up the vacancies (Y/N).	2
Documents Uploaded	
3. Percentage of faculty participated from affiliated institutions in annual refresher course training through, Pedagogy or leadership training through SwayamPrabha.	2
Documents Uploaded	
4. Percentage of faculty availed pedagogical training through Swayam platform (50%).	2
Documents Uploaded	
5. Percentage of Principals of the of affiliated institutions undertaken leadership training through Swayam Portal (50%).	2

Documents Uploaded

6. Number of training programmes organized by ATU for faculty of affiliated institutions.

2

Documents Uploaded

7. Number of training programmes conducted for staff of affiliated institutions.

2

Documents Uploaded

E. Effectiveness of equity at university level:

1. Percentage of faculty positions filled by same category on regular or contract basis in affiliated colleges (out of sanctioned position for respective category):
 o SC (filled by SC faculty/ sanctioned for SC Faculty):
 Target 20%:
 o ST (filled by ST faculty/ sanctioned for ST Faculty):
 Target 20%:
 o Female (filled female faculty/ total filled faculty):
 Target 30%:

2

Documents Uploaded

2. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in affiliated institutes out of available faculty in the respective category
 o SC (70%):
 o ST (70%):
 o Female (70%):

2

Documents Uploaded

3. Percentage of students from traditionally disadvantaged groups in total enrolment in the affiliated institutes.
 o SC (13 %):
 o ST (7 %):
 o Female (30%):

2

Documents Uploaded

4. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category.
 o SC (65%):
 o ST (65%):
 o Female (75%):

2

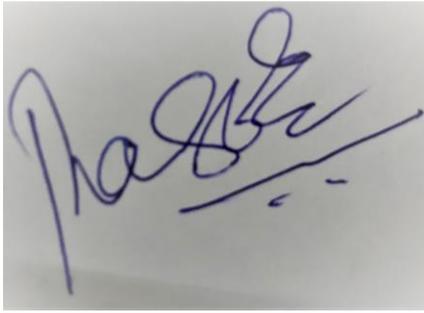
Documents Uploaded

F. Twinning Activities:

1. The long term and short term twinning plan (action plan) with 1.3 ATU on activities is available and implemented (Y/N).	1
Documents Uploaded	
2. Credit transfer facility is created with 1.3 ATU through amendments in ordinances and vice versa (Y/N).	3
Not Uploaded	
3. No. of students of affiliated institution attended	3
course/s at 1.3 ATU affiliated institution under credit transfer facility and vice versa (Min. 1 per program).	
Not Uploaded	
4. Assistance provided by 1.3 ATU in formulating statute for autonomy (Y/N).	2
Documents Uploaded	
5. No. of Trainings conducted for 1.2 ATU functionaries on governance by 1.3 ATU and vice versa (Min. 1 per program per year).	2
Documents Uploaded	
6. Participation of 1.2 ATU functionaries in Management Council/ Senate/ BoS of 1.3 ATU statutory bodies (atleast 1 per body) and vice versa.	2
Documents Uploaded	
7. Assistance provided by 1.3 ATU for formulating Ordinances, Statues, Directions etc. (Visible).	1
Documents Uploaded	
8. Support extended for conduct of OBE workshops in 1.2 affiliated intuitions by deputing expert faculty from 1.3 ATU or its affiliated institutions (minimum 3).	1
Documents Uploaded	
9. No. of joint Seminars/ conferences/ Conclaves/ Hackathon conducted by 1.3 ATU (Min 1 per year) and vice versa.	1
Documents Uploaded	
10. Number of joint learning forums conducted by 1.3 ATU for 1.2 ATU on Governance practices, university management, academic and non-academic reforms (Min 1 per year).	2
Documents Uploaded	
11. Assistance provided by 1.3 ATU in establishment of research hub (Visible)	2

Documents Uploaded			
12. Support extended to 1.2 ATU for implementation of Collaborative Research Scheme under competitive research fund (Visible).	2		
Documents Uploaded			
MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE*	Weightage %	Total Score (Grade x Weightage/100)
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	2.25	20	0.45
B. Improvement in Teaching, Learning and Research competence of affiliated institutions.	2.18	20	0.44
C. Implementation of AICTE mandate in affiliated institutions	1.96	25	0.49
D. Effort made by ATU for Increasing faculty productivity and motivation	2.00	05	0.10
E. Effectiveness of equity at university level	2.00	15	0.30
F. Twinning Activities	1.43	15	0.21
*The grade for each parameter is calculated based on the average of all subparameters.	Total Score		1.99
Remarks:			
<p>Overall awareness about TEQIP III by all the stake holders is better than during the last audit. Though the utilization of funds is slow at present, a good plan for utilization exists, and the status appears to very much improve by October 2019. University is aware of all AICTE mandate and is trying to introduce in all the 32 affiliated colleges. University does not possess an elaborate calendar of events for engineering programs. Internship and MOOC courses are included in the syllabi and schemes of undergraduate engineering programs as compulsory credit courses. The scheme is well formulated. R&D awareness at the university level is good. University has established independent autonomous research centres in several thrust areas such as River Engineering, Geographic Studies, Nano Technologies, and Material etc. Research Hub has also been established recently. University has a powerful MIS system for examination purposes; it is proposing to extend the same to HR management, administration and academics. Twinning program with VTU, Belagavi is better. But more emphasis from both universities can bring in useful results. Data collection from affiliated colleges of university is difficult. University does not seem to have control over colleges except the conduct of examination. In this regard the best practices of VTU, Belagavi can be studied. More emphasis on induction program, internship, placement training (allotting space in calendar of events and creating more awareness in affiliated colleges) can help the system better. NBA accreditation of programs even in private colleges can be prioritized. Effective utilization of soft components of TEQIP-III funds towards creating awareness of AICTE mandates, creating a robust MIS for data management and training on pedagogy/subject domain/management capacity building among all stake holders will take the university to a much higher platform.</p>			

I Dr. S. K. Prasad verify that all the information provided is correct to best of my knowledge.



Date Submitted: 01/09/2019

**Bhagalpur College of Engineering, Bhagalpur, Bihar Audited
by**

PROF. PRASANTA KUMAR DAS

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions:	
1. Percentage utilization of the funds released by MHRD to the institutions (90%).	1
Documents Uploaded	
2. Percentage of expenditure accounted in the book of accounts against funds utilized (90%).	1

Documents Uploaded	
B. Improvement in Teaching, Learning and Research competence.	
1. Percentage of NBA-accredited programs (UG and PG) or applied for out of eligible programs (at least 60% of eligible programs).	1
Documents Uploaded	
2. Implementation of GATE: Percentage of UG students enrolled for GATE (70%)	2
Documents Uploaded	
3. Implementation of GATE: Percentage of final students provided GATE training(70%)	2
Documents Uploaded	
4. Implementation of GATE: Percentage of UG student acquired GATE valid score (17%)	1
Documents Uploaded	
5. Percentage of PhD students in total enrolment in engineering disciplines in participating institutes	3
Documents Uploaded	
C. Implementation of AICTE mandate	
1. Percentage of newly admitted 1st year students attended three weeks Induction program conducted by mentor faculty of the institute (100%)	1
Documents Uploaded	
2. Percentage of pre-final and final year UG students participated in Industry readiness program.	1
Documents Uploaded	
3. Institute has Start-up /innovation cell and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N)	1
Documents Uploaded	
4. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%).	1
Documents Uploaded	
5. In case of autonomous institutes, presence of industry consultation committee (ICC) and no. of meetings arranged for Curriculum review/ revision (Y/N). Or Presence ICC and Verification of PEO by ICC for non-autonomous institutes (Y/N).	2
Documents Uploaded	
6. Percentage of students who have been imparted training in technical and soft skills required for working in the industry.	1
Documents Uploaded	
D. Increasing faculty productivity and motivation	
1. Sanctioned faculty positions are as per AICTE norms (1:20 ratio) in all the programs eligible for accreditation (Y/N).	2
Documents Uploaded	
2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract faculty (60%).	1
Documents Uploaded	

3. Number of faculty members deputed for upgradation of qualification.	2
Documents Uploaded	
4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	2
Documents Uploaded	
5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%).	1
Documents Uploaded	
6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	1
Documents Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	1
Documents Uploaded	
2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	1
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	2
Documents Uploaded	
4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	2
Documents Uploaded	
5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	2
Documents Uploaded	
6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	2
Documents Uploaded	

7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	2
Documents Uploaded	
F. Improved system efficiency, as demonstrated through:	
1. Constitution of BoG as per the prescribed format (Y/N).	1
Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N)	1
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	1
Documents Uploaded	
4. Status of Autonomy (Academic, Administrative, Financial) o UGC Autonomy (Y/N) o If Autonomous, continuation granted by UGC (Y/N)	3
Documents Uploaded	
5. Institute produces and publish an annual report in the prescribed format in accordance with the requirements set out in the PIP (Y/N).	1
Documents Uploaded	
G. Twinning Activities:	
1. The action plan for twinning activities implemented in last year and & current year planned (Y/N).	1
Documents Uploaded	
2. No. of courses/ classes/workshops conducted by the faculty of Institute under sub component 1.3 for students of 1.1 institute for training and academic development and vice versa (Min 1 per program per year).	1
Documents Uploaded	
3. No. of courses delivered by 1.3 institution for students of 1.1 institutions (Min 1 per program per year). (10% syllabus covered).	2
Documents Uploaded	
4. No. of Trainings conducted for faculty/ support staff of 1.1 institute by Institute under sub component 1.3 for training and academic development and vice versa (Min 1 per program per year).	1
Documents Uploaded	
5. No. of Seminars / Techfest, and conferences conducted by Institute under sub component 1.3 for 1.1 institute for students to share research and discuss technological advancements in dynamic industrial and business environment (Min 1 per year).	1
Documents Uploaded	
6. % of faculty perusing collaborative research (10%).	2

Documents Uploaded			
7. No. of departmental partnership for joint research activities for applied research and technological development (1 per program).			2
Documents Uploaded			
8. Number of Industry partnership for joint R & D, and internships (Min 1 per year).			1
Documents Uploaded			
9. Career Planning Sessions by 1.3 institution for 1.1 institution (2 Sessions).			2
Documents Uploaded			
10. Number of Seminars and learning forums conducted by Institute under sub component 1.3 for 1.1 institute on Governance practices, institutional management, academic and non-academic reforms (Min 1 per year).			2
Documents Uploaded			
11. Number of faculty of 1.1 institute inducted on various bodies (BoG, BoS, Senate etc.) of 1.3 institute for learning on good governance practices and vice versa.			1
Documents Uploaded			
12. Assistance provided in short term advisory and consultancy services by Institute under sub component 1.3 for 1.1.			2
Documents Uploaded			
13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3 for 1.1 institute.			2
Documents Uploaded			
14. Assistance given by the Institute under sub component 1.3 for 1.1 institute in filling-up of SAR for getting accreditation.			1
Documents Uploaded			
MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE*	Weightage %	Total Score (Grade x Weightage/100)
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	1.00	15	0.15
B. Improvement in Teaching, Learning and Research competence.	1.50	15	0.23
C. Implementation of AICTE mandate	1.17	15	0.18
D. Increasing faculty productivity and motivation	1.50	10	0.15
E. Effectiveness of equity at Institutional level	1.00	15	0.15
F. Improved system efficiency	1.40	15	0.21
G. Twinning Activities	1.00	15	0.15
*The grade for each parameter is calculated based on the average of all subparameters.	Total Score		1.22

Remarks:

Bhagalpur Engineering College exhibited a good progress in executing the program through consolidated effort. The college should keep it up. The mentor Institute (1.3 Institute) IEST Shibpur in this case, should exert a greater effort in hand holding and collaboration to derive the best outcome from this TEQIP Phase III program.

I PROF. PRASANTA KUMAR DAS verify that all the information provided is correct to best of my knowledge.



Date Submitted: 08/09/2019

Darbhanga College of Engineering, Darbhanga Audited by Prof. B. K. Roy

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions:	
1. Percentage utilization of the funds released by MHRD to the institutions (90%).	1
Documents Uploaded	
2. Percentage of expenditure accounted in the book of accounts against funds utilized (90%).	1
Documents Uploaded	
B. Improvement in Teaching, Learning and Research competence.	
1. Percentage of NBA-accredited programs (UG and PG) or applied for out of eligible programs (at least 60% of eligible programs).	2
Documents Uploaded	
2. Implementation of GATE: Percentage of UG students enrolled for GATE (70%)	1
Documents Uploaded	
3. Implementation of GATE: Percentage of final students provided GATE training(70%)	1
Documents Uploaded	
4. Implementation of GATE: Percentage of UG student acquired GATE valid score (17%)	2
Documents Uploaded	
5. Percentage of PhD students in total enrolment in engineering disciplines in participating institutes	3
Not Uploaded	
C. Implementation of AICTE mandate	

1. Percentage of newly admitted 1st year students attended three weeks Induction program conducted by mentor faculty of the institute (100%)	1
Documents Uploaded	
2. Percentage of pre-final and final year UG students participated in Industry readiness program.	2
Documents Uploaded	
3. Institute has Start-up /innovation cell and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N)	1
Documents Uploaded	
4. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%).	1
Documents Uploaded	
5. In case of autonomous institutes, presence of industry consultation committee (ICC) and no. of meetings arranged for Curriculum review/ revision (Y/N). Or Presence ICC and Verification of PEO by ICC for non-autonomous institutes (Y/N).	3
Not Uploaded	
6. Percentage of students who have been imparted training in technical and soft skills required for working in the industry.	2
Documents Uploaded	
D. Increasing faculty productivity and motivation	
1. Sanctioned faculty positions are as per AICTE norms (1:20 ratio) in all the programs eligible for accreditation (Y/N).	1
Documents Uploaded	
2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract faculty (60%).	1
Documents Uploaded	
3. Number of faculty members deputed for upgradation of qualification.	1
Documents Uploaded	
4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	2
Documents Uploaded	
5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%).	1
Documents Uploaded	
6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	2
Documents Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	1
Documents Uploaded	

2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	1
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	2
Documents Uploaded	
4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	1
Documents Uploaded	
5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	2
Documents Uploaded	
6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	3
Documents Uploaded	
7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	1
Documents Uploaded	
F. Improved system efficiency, as demonstrated through:	
1. Constitution of BoG as per the prescribed format (Y/N).	1
Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N)	1
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	1
Documents Uploaded	

4. Status of Autonomy (Academic, Administrative, Financial) o UGC Autonomy (Y/N) o If Autonomous, continuation granted by UGC (Y/N)	3
Not Uploaded	
5. Institute produces and publish an annual report in the prescribed format in accordance with the requirements set out in the PIP (Y/N).	1
Documents Uploaded	
G. Twinning Activities:	
1. The action plan for twinning activities implemented in last year and & current year planned (Y/N).	1
Documents Uploaded	
2. No. of courses/ classes/workshops conducted by the faculty of Institute under sub component 1.3 for students of 1.1 institute for training and academic development and vice versa (Min 1 per program per year).	2
Documents Uploaded	
3. No. of courses delivered by 1.3 institution for students of 1.1 institutions (Min 1 per program per year). (10% syllabus covered).	2
Documents Uploaded	
4. No. of Trainings conducted for faculty/ support staff of 1.1 institute by Institute under sub component 1.3 for training and academic development and vice versa (Min 1 per program per year).	1
Documents Uploaded	
5. No. of Seminars / Techfest, and conferences conducted by Institute under sub component 1.3 for 1.1 institute for students to share research and discuss technological advancements in dynamic industrial and business environment (Min 1 per year).	3
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6. % of faculty perusing collaborative research (10%).	1
Documents Uploaded	
7. No. of departmental partnership for joint research activities for applied research and technological development (1 per program).	2
Documents Uploaded	
8. Number of Industry partnership for joint R & D, and internships (Min 1 per year).	1
Documents Uploaded	
9. Career Planning Sessions by 1.3 institution for 1.1 institution (2 Sessions).	3
Not Uploaded	
10. Number of Seminars and learning forums conducted by Institute under sub component 1.3 for 1.1 institute on Governance practices, institutional management, academic and non-academic reforms (Min 1 per year).	3
Not Uploaded	
11. Number of faculty of 1.1 institute inducted on various bodies (BoG, BoS, Senate etc.) of 1.3 institute for learning on good governance practices and vice versa.	2
Documents Uploaded	

12. Assistance provided in short term advisory and consultancy services by Institute under sub component 1.3 for 1.1.				3
Not Uploaded				
13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3 for 1.1 institute.				1
Documents Uploaded				
14. Assistance given by the Institute under sub component 1.3 for 1.1 institute in filling-up of SAR for getting accreditation.				1
Documents Uploaded				
MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	GRADE*	Weightage %	Total Score (Grade x Weightage/100)	
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	1.00	15	0.15	
B. Improvement in Teaching, Learning and Research competence.	1.50	15	0.23	
C. Implementation of AICTE mandate	1.67	15	0.25	
D. Increasing faculty productivity and motivation	1.33	10	0.13	
E. Effectiveness of equity at Institutional level	1.00	15	0.15	
F. Improved system efficiency	1.40	15	0.21	
G. Twinning Activities	1.14	15	0.17	
*The grade for each parameter is calculated based on the average of all subparameters.	Total Score		1.29	
Remarks:				

I Prof. B. K. Roy verify that all the information provided is correct to best of my knowledge.



Date Submitted: 02/09/2019

Gaya College of Engineering, Gaya, Sri Krishna Nagar Audited

by Dr. K. MallikharjunaBabu

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions:	
1. Percentage utilization of the funds released by MHRD to the institutions (90%). Documents Uploaded	1
2. Percentage of expenditure accounted in the book of accounts against funds utilized (90%). Documents Uploaded	1
B. Improvement in Teaching, Learning and Research competence.	
1. Percentage of NBA-accredited programs (UG and PG) or applied for out of eligible programs (at least 60% of eligible programs). Documents Uploaded	2
2. Implementation of GATE: Percentage of UG students enrolled for GATE (70%) Documents Uploaded	1
3. Implementation of GATE: Percentage of final students provided GATE training(70%) Documents Uploaded	1
4. Implementation of GATE: Percentage of UG student acquired GATE valid score (17%) Documents Uploaded	1
5. Percentage of PhD students in total enrolment in engineering disciplines in participating institutes Documents Uploaded	3
C. Implementation of AICTE mandate	
1. Percentage of newly admitted 1st year students attended three weeks Induction program conducted by mentor faculty of the institute (100%) Documents Uploaded	1
2. Percentage of pre-final and final year UG students participated in Industry readiness program. Documents Uploaded	2
3. Institute has Start-up /innovation cell and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N) Documents Uploaded	1
4. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%). Documents Uploaded	1
5. In case of autonomous institutes, presence of industry consultation committee (ICC) and no. of meetings arranged for Curriculum review/ revision (Y/N). Or Presence ICC and Verification of PEO by ICC for non-autonomous institutes (Y/N). Documents Uploaded	3
6. Percentage of students who have been imparted training in technical and soft skills required for working in the industry.	2

Documents Uploaded	
D. Increasing faculty productivity and motivation	
1. Sanctioned faculty positions are as per AICTE norms (1:20 ratio) in all the programs eligible for accreditation (Y/N).	1
Documents Uploaded	
2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract faculty (60%).	1
Documents Uploaded	
3. Number of faculty members deputed for upgradation of qualification.	3
Documents Uploaded	
4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	3
Documents Uploaded	
5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%.	1
Documents Uploaded	
6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	2
Documents Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	1
Documents Uploaded	
2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	2
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	2
Documents Uploaded	
4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	1
Documents Uploaded	

5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	2
Documents Uploaded	
6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	2
Documents Uploaded	
7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	2
Documents Uploaded	
F. Improved system efficiency, as demonstrated through:	
1. Constitution of BoG as per the prescribed format (Y/N).	1
Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N)	1
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	1
Documents Uploaded	
4. Status of Autonomy (Academic, Administrative, Financial) o UGC Autonomy (Y/N) o If Autonomous, continuation granted by UGC (Y/N)	3
Documents Uploaded	
5. Institute produces and publish an annual report in the prescribed format in accordance with the requirements set out in the PIP (Y/N).	1
Documents Uploaded	
G. Twinning Activities:	
1. The action plan for twinning activities implemented in last year and & current year planned (Y/N).	1
Documents Uploaded	
2. No. of courses/ classes/workshops conducted by the faculty of Institute under sub component 1.3 for students of 1.1 institute for training and academic development and vice versa (Min 1 per program per year).	1
Documents Uploaded	

3. No. of courses delivered by 1.3 institution for students of 1.1 institutions (Min 1 per program per year). (10% syllabus covered).	1		
Documents Uploaded			
4. No. of Trainings conducted for faculty/ support staff of 1.1 institute by Institute under sub component 1.3 for training and academic development and vice versa (Min 1 per program per year).	1		
Documents Uploaded			
5. No. of Seminars / Techfest, and conferences conducted by Institute under sub component 1.3 for 1.1 institute for students to share research and discuss technological advancements in dynamic industrial and business environment (Min 1 per year).	1		
Documents Uploaded			
6. % of faculty perusing collaborative research (10%).	1		
Documents Uploaded			
7. No. of departmental partnership for joint research activities for applied research and technological development (1 per program).	1		
Documents Uploaded			
8. Number of Industry partnership for joint R & D, and internships (Min 1 per year).	1		
Documents Uploaded			
9. Career Planning Sessions by 1.3 institution for 1.1 institution (2 Sessions).	2		
Documents Uploaded			
10. Number of Seminars and learning forums conducted by Institute under sub component 1.3 for 1.1 institute on Governance practices, institutional management, academic and non-academic reforms (Min 1 per year).	1		
Documents Uploaded			
11. Number of faculty of 1.1 institute inducted on various bodies (BoG, BoS, Senate etc.) of 1.3 institute for learning on good governance practices and vice versa.	3		
Documents Uploaded			
12. Assistance provided in short term advisory and consultancy services by Institute under sub component 1.3 for 1.1.	2		
Documents Uploaded			
13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3 for 1.1 institute.	1		
Documents Uploaded			
14. Assistance given by the Institute under sub component 1.3 for 1.1 institute in filling-up of SAR for getting accreditation.	1		
Documents Uploaded			
MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE*	Weightage %	Total Score (Grade x Weightage/100)

A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	1.00	15	0.15
B. Improvement in Teaching, Learning and Research competence.	1.33	15	0.20
C. Implementation of AICTE mandate	1.67	15	0.25
D. Increasing faculty productivity and motivation	1.83	10	0.18
E. Effectiveness of equity at Institutional level	1.50	15	0.23
F. Improved system efficiency	1.40	15	0.21
G. Twinning Activities	1.00	15	0.15
*The grade for each parameter is calculated based on the average of all subparameters.	Total Score		1.37

Remarks:

I Dr. K. MallikharjunaBabu verify that all the information provided is correct to best of my knowledge.


28/8/2019

Date Submitted: 28/08/2019 _____

LokNayak Jay Prakash Institute of Technology, Chapra, Bihar

Audited by Dr. Vinod Kumar

MONITORING AND PROJECT OUTPUT/OUTCOMEPARAMENTERS	GRADE
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions:	
1. Percentage utilization of the funds released by MHRD to the institutions (90%). Documents Uploaded	1
2. Percentage of expenditure accounted in the book of accounts against funds utilized (90%). Documents Uploaded	1
B. Improvement in Teaching, Learning and Research competence.	
1. Percentage of NBA-accredited programs (UG and PG) or applied for out of eligible programs (at least 60% of eligible programs). Documents Uploaded	1
2. Implementation of GATE: Percentage of UG students enrolled for GATE (70%) Documents Uploaded	1

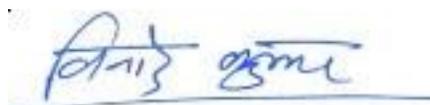
3. Implementation of GATE: Percentage of final students provided GATE training(70%)	2
Documents Uploaded	
4. Implementation of GATE: Percentage of UG student acquired GATE valid score (17%)	2
Documents Uploaded	
5. Percentage of PhD students in total enrolment in engineering disciplines in participating institutes	3
Not Uploaded	
C. Implementation of AICTE mandate	
1. Percentage of newly admitted 1st year students attended three weeks Induction program conducted by mentor faculty of the institute (100%)	1
Documents Uploaded	
2. Percentage of pre-final and final year UG students participated in Industry readiness program.	1
Documents Uploaded	
3. Institute has Start-up /innovation cell and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N)	2
Documents Uploaded	
4. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%).	2
Documents Uploaded	
5. In case of autonomous institutes, presence of industry consultation committee (ICC) and no. of meetings arranged for Curriculum review/ revision (Y/N). Or Presence ICC and Verification of PEO by ICC for non-autonomous institutes (Y/N).	3
Not Uploaded	
6. Percentage of students who have been imparted training in technical and soft skills required for working in the industry.	2
Documents Uploaded	
D. Increasing faculty productivity and motivation	
1. Sanctioned faculty positions are as per AICTE norms (1:20 ratio) in all the programs eligible for accreditation (Y/N).	2
Documents Uploaded	
2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract	1
faculty (60%).	
Documents Uploaded	
3. Number of faculty members deputed for upgradation of qualification.	2
Documents Uploaded	
4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	1
Documents Uploaded	
5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%).	1
Documents Uploaded	

6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	3
Documents Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	1
Documents Uploaded	
2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	1
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	3
Documents Uploaded	
4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	1
Documents Uploaded	
5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	2
Documents Uploaded	
6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	3
Not Uploaded	
7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	1
Documents Uploaded	
F. Improved system efficiency, as demonstrated through:	
1. Constitution of BoG as per the prescribed format (Y/N).	1

Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N)	1
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	1
Documents Uploaded	
4. Status of Autonomy (Academic, Administrative, Financial) o UGC Autonomy (Y/N) o If Autonomous, continuation granted by UGC (Y/N)	3
Not Uploaded	
5. Institute produces and publish an annual report in the prescribed format in accordance with the requirements set out in the PIP (Y/N).	1
Documents Uploaded	
G. Twinning Activities:	
1. The action plan for twinning activities implemented in last year and & current year planned (Y/N).	1
Documents Uploaded	
2. No. of courses/ classes/workshops conducted by the faculty of Institute under sub component 1.3 for students of 1.1 institute for training and academic development and vice versa (Min 1 per program per year).	1
Documents Uploaded	
3. No. of courses delivered by 1.3 institution for students of 1.1 institutions (Min 1 per program per year). (10% syllabus covered).	1
Documents Uploaded	
4. No. of Trainings conducted for faculty/ support staff of 1.1 institute by Institute under sub component 1.3 for training and academic development and vice versa (Min 1 per program per year).	1
Documents Uploaded	
5. No. of Seminars / Techfest, and conferences conducted by Institute under sub component 1.3 for 1.1 institute for students to share research and discuss technological advancements in dynamic industrial and business environment (Min 1 per year).	3
Not Uploaded	
6. % of faculty perusing collaborative research (10%).	3
Documents Uploaded	
7. No. of departmental partnership for joint research activities for applied research and technological development (1 per program).	3
Documents Uploaded	
8. Number of Industry partnership for joint R & D, and internships (Min 1 per year).	1
Documents Uploaded	
9. Career Planning Sessions by 1.3 institution for 1.1 institution (2 Sessions).	3
Documents Uploaded	

10. Number of Seminars and learning forums conducted by Institute under sub component 1.3 for 1.1 institute on Governance practices, institutional management, academic and non-academic reforms (Min 1 per year).	1		
Documents Uploaded			
11. Number of faculty of 1.1 institute inducted on various bodies (BoG, BoS, Senate etc.) of 1.3 institute for learning on good governance practices and vice versa.	1		
Documents Uploaded			
12. Assistance provided in short term advisory and consultancy services by Institute under sub component 1.3 for 1.1.	2		
Documents Uploaded			
13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3 for 1.1 institute.	1		
Documents Uploaded			
14. Assistance given by the Institute under sub component 1.3 for 1.1 institute in filling-up of SAR for getting accreditation.	2		
Documents Uploaded			
MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE*	Weightage %	Total Score (Grade x Weightage/100)
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	1.00	15	0.15
B. Improvement in Teaching, Learning and Research competence.	1.50	15	0.23
C. Implementation of AICTE mandate	1.83	15	0.27
D. Increasing faculty productivity and motivation	1.67	10	0.17
E. Effectiveness of equity at Institutional level	1.00	15	0.15
F. Improved system efficiency	1.40	15	0.21
G. Twinning Activities	1.00	15	0.15
*The grade for each parameter is calculated based on the average of all subparameters.	Total Score		1.33
Remarks:			
LNJPIT has improved a lot and still there is hope to do more in order to utilize the infrastructure , dedicated faculty members and sufficient number of motivated students available with this Institute. Faculty members and students at LNJPIT have appreciated the TEQIP III for providing financial assistance to improve the teaching quality in their Institute. It is suggested to start research initiatives/culture in engineering disciplines.			

I Dr. Vinod Kumar verify that all the information provided is correct to best of my knowledge.



Date Submitted: 31/08/2019

Motihari College of Engineering, Motihari Audited by Dr. G. P. Prabhu Kumar

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMEENTERS	GRADE
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions:	
1. Percentage utilization of the funds released by MHRD to the institutions (90%).	2
Documents Uploaded	
2. Percentage of expenditure accounted in the book of accounts against funds utilized (90%).	1
Documents Uploaded	
B. Improvement in Teaching, Learning and Research competence.	
1. Percentage of NBA-accredited programs (UG and PG) or applied for out of eligible programs (at least 60% of eligible programs).	1
Documents Uploaded	
2. Implementation of GATE: Percentage of UG students enrolled for GATE (70%)	1
Documents Uploaded	
3. Implementation of GATE: Percentage of final students provided GATE training (70%)	1
Documents Uploaded	
4. Implementation of GATE: Percentage of UG student acquired GATE valid score (17%)	2
Documents Uploaded	
5. Percentage of PhD students in total enrolment in engineering disciplines in participating institutes	3
Documents Uploaded	
C. Implementation of AICTE mandate	
1. Percentage of newly admitted 1st year students attended three weeks Induction program conducted by mentor faculty of the institute (100%)	1
Documents Uploaded	
2. Percentage of pre-final and final year UG students participated in Industry readiness program.	2
Documents Uploaded	
3. Institute has Start-up /innovation cell and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N)	2
Documents Uploaded	
4. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%).	2
Documents Uploaded	
5. In case of autonomous institutes, presence of industry consultation committee (ICC) and no. of meetings arranged for Curriculum review/ revision (Y/N). Or Presence ICC and Verification of PEO by ICC for non-autonomous institutes (Y/N).	3
Documents Uploaded	
6. Percentage of students who have been imparted training in technical and soft skills required for working in the industry.	1
Documents Uploaded	

D. Increasing faculty productivity and motivation	
1. Sanctioned faculty positions are as per AICTE norms (1:20 ratio) in all the programs eligible for accreditation (Y/N).	1
Documents Uploaded	
2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract faculty (60%).	1
Documents Uploaded	
3. Number of faculty members deputed for upgradation of qualification.	1
Documents Uploaded	
4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	2
Documents Uploaded	
5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%.	1
Documents Uploaded	
6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	2
Documents Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	1
Documents Uploaded	
2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	2
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	1
Documents Uploaded	
4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	1
Documents Uploaded	
5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	1

Documents Uploaded	
6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	1
Documents Uploaded	
7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	1
Documents Uploaded	
F. Improved system efficiency, as demonstrated through:	
1. Constitution of BoG as per the prescribed format (Y/N).	1
Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N)	1
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	1
Documents Uploaded	
4. Status of Autonomy (Academic, Administrative, Financial) o UGC Autonomy (Y/N) o If Autonomous, continuation granted by UGC (Y/N)	1
Documents Uploaded	
5. Institute produces and publish an annual report in the prescribed format in accordance with the requirements set out in the PIP (Y/N).	2
Documents Uploaded	
G. Twinning Activities:	
1. The action plan for twinning activities implemented in last year and & current year planned (Y/N).	1
Documents Uploaded	
2. No. of courses/ classes/workshops conducted by the faculty of Institute under sub component 1.3 for students of 1.1 institute for training and academic development and vice versa (Min 1 per program per year).	2
Documents Uploaded	
3. No. of courses delivered by 1.3 institution for students of 1.1 institutions (Min 1 per program per year). (10% syllabus covered).	2
Documents Uploaded	

4. No. of Trainings conducted for faculty/ support staff of 1.1 institute by Institute under sub component 1.3 for training and academic development and vice versa (Min 1 per program per year).	1		
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5. No. of Seminars / Techfest, and conferences conducted by Institute under sub component 1.3 for 1.1 institute for students to share research and discuss technological advancements in dynamic industrial and business environment (Min 1 per year).	1		
Documents Uploaded			
6. % of faculty perusing collaborative research (10%).	1		
Documents Uploaded			
7. No. of departmental partnership for joint research activities for applied research and technological development (1 per program).	1		
Documents Uploaded			
8. Number of Industry partnership for joint R & D, and internships (Min 1 per year).	1		
Documents Uploaded			
9. Career Planning Sessions by 1.3 institution for 1.1 institution (2 Sessions).	1		
Documents Uploaded			
10. Number of Seminars and learning forums conducted by Institute under sub component 1.3 for 1.1 institute on Governance practices, institutional management, academic and non-academic reforms (Min 1 per year).	1		
Documents Uploaded			
11. Number of faculty of 1.1 institute inducted on various bodies (BoG, BoS, Senate etc.) of 1.3 institute for learning on good governance practices and vice versa.	1		
Documents Uploaded			
12. Assistance provided in short term advisory and consultancy services by Institute under sub component 1.3 for 1.1.	1		
Documents Uploaded			
13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3 for 1.1 institute.	1		
Documents Uploaded			
14. Assistance given by the Institute under sub component 1.3 for 1.1 institute in filling-up of SAR for getting accreditation.	1		
Documents Uploaded			
MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE*	Weightage %	Total Score (Grade x Weightage/100)
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	1.50	15	0.23
B. Improvement in Teaching, Learning and Research competence.	1.33	15	0.20
C. Implementation of AICTE mandate	1.83	15	0.27

D. Increasing faculty productivity and motivation	1.33	10	0.13
E. Effectiveness of equity at Institutional level	1.50	15	0.23
F. Improved system efficiency	1.20	15	0.18
G. Twinning Activities	1.00	15	0.15
*The grade for each parameter is calculated based on the average of all subparameters.	Total Score		1.39

Remarks:

I Dr. G P Prabhu Kumar, Performance auditor, conducted the performance as per NPIU norms & found that it is satisfactory.

I Dr. G. P. Prabhu Kumar verify that all the information provided is correct to best of my knowledge.



Date Submitted: 30/08/2019 ____

Muzaffarpur Institute of Tech, Muzaffarpur Audited by Dr. Yogesh Velankar

MONITORING AND PROJECT OUTPUT/OUTCOMEPARAMENTERS	GRADE
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions:	
1. Percentage utilization of the funds released by MHRD to the institutions (90%). Documents Uploaded	1
2. Percentage of expenditure accounted in the book of accounts against funds utilized (90%). Documents Uploaded	1
B. Improvement in Teaching, Learning and Research competence.	
1. Percentage of NBA-accredited programs (UG and PG) or applied for out of eligible programs (at least 60% of eligible programs). Documents Uploaded	1
2. Implementation of GATE: Percentage of UG students enrolled for GATE (70%) Documents Uploaded	1
3. Implementation of GATE: Percentage of final students provided GATE training(70%) Documents Uploaded	1
4. Implementation of GATE: Percentage of UG student acquired GATE valid score (17%) Documents Uploaded	1
5. Percentage of PhD students in total enrolment in engineering disciplines in participating institutes Documents Uploaded	3
C. Implementation of AICTE mandate	

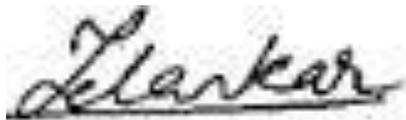
1. Percentage of newly admitted 1st year students attended three weeks Induction program conducted by mentor faculty of the institute (100%)	1
Documents Uploaded	
2. Percentage of pre-final and final year UG students participated in Industry readiness program.	1
Documents Uploaded	
3. Institute has Start-up /innovation cell and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N)	1
Documents Uploaded	
4. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%).	1
Documents Uploaded	
5. In case of autonomous institutes, presence of industry consultation committee (ICC) and no. of meetings arranged for Curriculum review/ revision (Y/N). Or Presence ICC and Verification of PEO by ICC for non-autonomous institutes (Y/N).	1
Documents Uploaded	
6. Percentage of students who have been imparted training in technical and soft skills required for working in the industry.	1
Documents Uploaded	
D. Increasing faculty productivity and motivation	
1. Sanctioned faculty positions are as per AICTE norms (1:20 ratio) in all the programs eligible for accreditation (Y/N).	1
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2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract faculty (60%).	1
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3. Number of faculty members deputed for upgradation of qualification.	3
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4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	1
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5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%).	1
Documents Uploaded	
6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	1
Documents Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	1
Documents Uploaded	

2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	1
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	2
Documents Uploaded	
4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	1
Documents Uploaded	
5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	2
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6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	1
Documents Uploaded	
7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	1
Documents Uploaded	
F. Improved system efficiency, as demonstrated through:	
1. Constitution of BoG as per the prescribed format (Y/N).	1
Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N)	1
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	1
Documents Uploaded	

4. Status of Autonomy (Academic, Administrative, Financial) o UGC Autonomy (Y/N) o If Autonomous, continuation granted by UGC (Y/N)	3
Documents Uploaded	
5. Institute produces and publish an annual report in the prescribed format in accordance with the requirements set out in the PIP (Y/N).	1
Documents Uploaded	
G. Twinning Activities:	
1. The action plan for twinning activities implemented in last year and & current year planned (Y/N).	1
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2. No. of courses/ classes/workshops conducted by the faculty of Institute under sub component 1.3 for students of 1.1 institute for training and academic development and vice versa (Min 1 per program per year).	1
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3. No. of courses delivered by 1.3 institution for students of 1.1 institutions (Min 1 per program per year). (10% syllabus covered).	1
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5. No. of Seminars / Techfest, and conferences conducted by Institute under sub component 1.3 for 1.1 institute for students to share research and discuss technological advancements in dynamic industrial and business environment (Min 1 per year).	1
Documents Uploaded	
6. % of faculty perusing collaborative research (10%).	2
Documents Uploaded	
7. No. of departmental partnership for joint research activities for applied research and technological development (1 per program).	2
Documents Uploaded	
8. Number of Industry partnership for joint R & D, and internships (Min 1 per year).	1
Documents Uploaded	
9. Career Planning Sessions by 1.3 institution for 1.1 institution (2 Sessions).	1
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10. Number of Seminars and learning forums conducted by Institute under sub component 1.3 for 1.1 institute on Governance practices, institutional management, academic and non-academic reforms (Min 1 per year).	1
Documents Uploaded	
11. Number of faculty of 1.1 institute inducted on various bodies (BoG, BoS, Senate etc.) of 1.3 institute for learning on good governance practices and vice versa.	2
Documents Uploaded	

12. Assistance provided in short term advisory and consultancy services by Institute under sub component 1.3 for 1.1.				1
Documents Uploaded				
13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3 for 1.1 institute.				2
Documents Uploaded				
14. Assistance given by the Institute under sub component 1.3 for 1.1 institute in filling-up of SAR for getting accreditation.				1
Documents Uploaded				
MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	GRADE*	Weightage %	Total Score (Grade x Weightage/100)	
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	1.00	15	0.15	
B. Improvement in Teaching, Learning and Research competence.	1.17	15	0.18	
C. Implementation of AICTE mandate	1.00	15	0.15	
D. Increasing faculty productivity and motivation	1.33	10	0.13	
E. Effectiveness of equity at Institutional level	1.00	15	0.15	
F. Improved system efficiency	1.40	15	0.21	
G. Twinning Activities	1.00	15	0.15	
*The grade for each parameter is calculated based on the average of all subparameters.	Total Score		1.12	
Remarks:				
In the past year, progress is visible in almost all focus areas of the TEQIP-III project. The Institutional management and team members have accelerated development on all fronts along with support gained from twinning activities. Physical infrastructure of the campus, and maintenance can be further enhanced. Digital learning resources need to be strengthened. Shortage of support staff such as laboratory personnel needs to be addressed. Overall, there needs to be more awareness amongst all internal stakeholders regarding the TEQIP “ III project and its goals and activities. The momentum of progress needs to be further accelerated, and any potential hurdles need to be addressed proactively.				

I Dr. Yogesh Velankar verify that all the information provided is correct to best of my knowledge.



Date Submitted: 21/08/2019

Nalanda College of Engineering, Chandi, Nalanda Audited by

Dilip R. Peshwe

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions:	
1. Percentage utilization of the funds released by MHRD to the institutions (90%).	2
Documents Uploaded	
2. Percentage of expenditure accounted in the book of accounts against funds utilized (90%).	1
Documents Uploaded	
B. Improvement in Teaching, Learning and Research competence.	
1. Percentage of NBA-accredited programs (UG and PG) or applied for out of eligible programs (at least 60% of eligible programs).	1
Documents Uploaded	
2. Implementation of GATE: Percentage of UG students enrolled for GATE (70%)	1
Documents Uploaded	
3. Implementation of GATE: Percentage of final students provided GATE training (70%)	1
Documents Uploaded	
4. Implementation of GATE: Percentage of UG student acquired GATE valid score (17%)	1
Documents Uploaded	
5. Percentage of PhD students in total enrolment in engineering disciplines in participating institutes	3
Not Uploaded	
C. Implementation of AICTE mandate	
1. Percentage of newly admitted 1st year students attended three weeks Induction program conducted by mentor faculty of the institute (100%)	1
Documents Uploaded	
2. Percentage of pre-final and final year UG students participated in Industry readiness program.	2
Documents Uploaded	
3. Institute has Start-up /innovation cell and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N)	1
Documents Uploaded	
4. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%).	2
Documents Uploaded	
5. In case of autonomous institutes, presence of industry consultation committee (ICC) and no. of meetings arranged for Curriculum review/ revision (Y/N). Or Presence ICC and Verification of PEO by ICC for non-autonomous institutes (Y/N).	3
Not Uploaded	
6. Percentage of students who have been imparted training in technical and soft skills required for working in the industry.	1
Documents Uploaded	

D. Increasing faculty productivity and motivation	
1. Sanctioned faculty positions are as per AICTE norms (1:20 ratio) in all the programs eligible for accreditation (Y/N).	1
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2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract faculty (60%).	1
Documents Uploaded	
3. Number of faculty members deputed for upgradation of qualification.	1
Documents Uploaded	
4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	2
Documents Uploaded	
5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%.	1
Documents Uploaded	
6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	1
Documents Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	1
Documents Uploaded	
2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	1
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	2
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4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	2
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5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	2

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6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	2
Documents Uploaded	
7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	2
Documents Uploaded	
F. Improved system efficiency, as demonstrated through:	
1. Constitution of BoG as per the prescribed format (Y/N).	1
Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N)	1
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	1
Documents Uploaded	
4. Status of Autonomy (Academic, Administrative, Financial) o UGC Autonomy (Y/N) o If Autonomous, continuation granted by UGC (Y/N)	3
Not Uploaded	
5. Institute produces and publish an annual report in the prescribed format in accordance with the requirements set out in the PIP (Y/N).	1
Documents Uploaded	
G. Twinning Activities:	
1. The action plan for twinning activities implemented in last year and & current year planned (Y/N).	1
Documents Uploaded	
2. No. of courses/ classes/workshops conducted by the faculty of Institute under sub component 1.3 for students of 1.1 institute for training and academic development and vice versa (Min 1 per program per year).	1
Documents Uploaded	
3. No. of courses delivered by 1.3 institution for students of 1.1 institutions (Min 1 per program per year). (10% syllabus covered).	2
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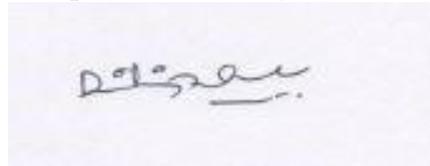
4. No. of Trainings conducted for faculty/ support staff of 1.1 institute by Institute under sub component 1.3 for training and academic development and vice versa (Min 1 per program per year).	1		
Documents Uploaded			
5. No. of Seminars / Techfest, and conferences conducted by Institute under sub component 1.3 for 1.1 institute for students to share research and discuss technological advancements in dynamic industrial and business environment (Min 1 per year).	1		
Documents Uploaded			
6. % of faculty perusing collaborative research (10%).	1		
Documents Uploaded			
7. No. of departmental partnership for joint research activities for applied research and technological development (1 per program).	1		
Documents Uploaded			
8. Number of Industry partnership for joint R & D, and internships (Min 1 per year).	1		
Documents Uploaded			
9. Career Planning Sessions by 1.3 institution for 1.1 institution (2 Sessions).	3		
Not Uploaded			
10. Number of Seminars and learning forums conducted by Institute under sub component 1.3 for 1.1 institute on Governance practices, institutional management, academic and non-academic reforms (Min 1 per year).	2		
Documents Uploaded			
11. Number of faculty of 1.1 institute inducted on various bodies (BoG, BoS, Senate etc.) of 1.3 institute for learning on good governance practices and vice versa.	1		
Documents Uploaded			
12. Assistance provided in short term advisory and consultancy services by Institute under sub component 1.3 for 1.1.	1		
Documents Uploaded			
13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3 for 1.1 institute.	3		
Not Uploaded			
14. Assistance given by the Institute under sub component 1.3 for 1.1 institute in filling-up of SAR for getting accreditation.	1		
Documents Uploaded			
MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	GRADE*	Weightage %	Total Score (Grade x Weightage/100)
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	1.50	15	0.23
B. Improvement in Teaching, Learning and Research competence.	1.17	15	0.18
C. Implementation of AICTE mandate	1.67	15	0.25

D. Increasing faculty productivity and motivation	1.17	10	0.12
E. Effectiveness of equity at Institutional level	1.00	15	0.15
F. Improved system efficiency	1.40	15	0.21
G. Twinning Activities	1.00	15	0.15
*The grade for each parameter is calculated based on the average of all subparameters.	Total Score		1.29

Remarks:

ENHANCING THE CAPABILITIES OF TECHNICAL EDUCATION INSTITUTIONS IN INDIA ANNEX-9
 Name of Performance auditor : Prof. Dilip R. Peshwe Dates of Performance auditor : 16,17 and 18th August 2019
 Name of the Institute : Nalanda College of Engineering, Chandi. Key points feedback by the Performance auditor to the institution at the end of the visit 1. More proper planning for effective fund utilization are essential. 2. Accreditation process should be completed for remaining branches. 3. R & D and collaborative research culture be strengthened in Institute. 4. Appointment of staff members for good TEQIP activities. 5. Activity enhancement of Equity Assurance Cell & proper implementation 6. Good support expected from NITR for effective twinning activities. 7. Implementation of AICTE mandates more effectively. Key improvement noticed on shortcomings reported during earlier Performance Audits : All the observations of 1st Audit visit are implemented properly but more efforts are expected. Brief statements on continuing shortcomings, and reasons : N/A Recommendations for Mentors : 1. Organization of technical & soft skills programs by mentor institute. 2. Organization of joint R&D, Placements, Internships & Academic programs expected from NITR (Mentor institute) 3. Effective use of SWAYAM Portal 4. Initiation of Academic and R & D activity and culture 5. More twinning activities for all stakeholders. 6. Availability of Books and E-journals by sharing of facilities. Prof. Dilip R. Peshwe

I Dilip R. Peshwe verify that all the information provided is correct to best of my knowledge.



Date Submitted: 04/09/2019

Annexure G – Equity Action Plan (EAP) Activities by Colleges

Name of Institute: Bhagalpur College of Engineering , Bhagalpur.

Part A: For soft activities

Sl. No.	Activity undertaken	Date & duration	Activity Completed/ In progress	Actual Expenditure Incurred
1	Organized two days workshop on Full Stack Web Application Development by CSE Deptt.	15-16 February, 2 days	Completed	Rs.19,468.00
2	A hand on training was conducted on "IoT using Arduino	16 -18 April ,3 days	Completed	Rs.1,14,270.00
3	FDP on"Future Aspects of Renewable Energy Innovation" conducted by ME Deptt.	17th - 21st May ,5 days	Completed	Rs.1,35,762.00
4	Total 6 papers published by faculty members in reputed conferences and Journals .	January to June 2019	Completed	Rs.1,60,865.00
5	Faculty members completed one week FDP	IIT Hyderabad from 3rd to 8th June and IIT Guwahati from 24th to 28th June 2019 .	Completed	Rs.8,32,000.00
6	Induction/ Orientation Program	02 to 16th Sep , 15 Days	Completed	Rs.1,81,000.00
7	SELP	09-14th Sep, 06 Days	Completed	Rs.1,50,000.00
8	Paper Presentations in National/ International Conferences and publications in Journal	January to June	Completed	Rs.1,60,865.00
9	Soft Skill Training	29th July 3rd August , Days	Completed	Rs.2,01,497.00
10	15 Faculty members and 4 Students completed 26 courses from NPTEL platform	January to April 2019.	Completed	Rs.65,593.00
				Total Amount (A): Rs.20,21,320

Part B: For Minor Civil works

Sl. No.	Name of work	Date & duration	Work completed/ In progress	Actual Expenditure Incurred
1	Partition of Labs in ECE Department	07/12/2019	Completed	Rs.3,66,581.00

2	Partition of Labs in CIVIL Department	21/12/2019	Completed	Rs.1,85,220.00
3	Partition of Labs in Mechanical Department	21/12/2019	Completed	Rs. 2,87,595.00
4	Partition of Labs in Electrical Department	21/12/2019	Completed	Rs.2,36,248.00
				Total Amount (B): Rs. 10,75,644
Total Expenditure Incurred: A+B		Rs.30,96,964 (Thirty Lakhs Ninety Six Thousand Nine Hundred Sixty Four Only)		

Name of Institute: GAYA COLLEGE OF ENGINEERING, GAYA				
Part A: For soft activities				
Sl. No.	Activity undertaken	Date & duration	Activity Completed/ In progress	Actual Expenditure Incurred in Rs.
1	A hand on training was conducted on "IoT using Arduino	26-28th, February 2019	Completed	63000
2	Remedial Classes for weak students	Throuout semester	In progress	0
3	Workshop on NPTEL and IIT Bombay spoken tutorial	September 2019 and January 2020	Completed	10000
4	Student Induction Program 2019	September 09-30, 2019	Completed	120000
5	NPTEL MOOCs learning expenditure	July- December 2019	Completed	71000
6	GATE Classes	August 2019- January 2020	Completed	3200000
7	Establishment of 8 smart classes	December 2019- January 2020	Completed	
8	Workshop on IPR as awareness program	10 Jnauary 2019	Completed	5000
9	Mentor Mentee	During Induction Program and at the Begining of Semester	In process	0
10	Faculty Development Programs on Research Methodology	January 07-11, 2019	completed	
			Total Amount (A):	3469000
Part B: For Minor Civil works				
Sl. No.	Name of work	Date & duration	Work completed/ In progress	Actual Expenditure Incurred

1	Construction of Toilet (TEQIP-III/BH/gceg/31)	31.08.2018	Completed	432000
2	Minor Civil work for Machine Lab (TEQIP-III/2019/BH/gceg/93)	16.09.2019	Completed	59942
3	Minor Civil Work (Renovation of Examination Control room and TPO Cell) (TEQIP-III/BH/gceg/46)	07.03.2019	Completed	314031
4	Installation of Sanitary Napkin Vending Machine	September 2019	Completed	132000
			Total Amount (B):	937973
Total Expenditure Incurred: A+B in Rs.		Rs. 4406973		

Name of Institute: Darbhanga College of Engineering, Darbhanga				
Part A: For soft activities				
Sl. No.	Activity undertaken	Date & duration	Activity Completed/ In progress	Actual Expenditure Incurred
1	Prerequisite Test/ Diagnostic Test	15.07.2019	<i>Completed</i>	<i>2000</i>
2	Remedial classes for prerequisite subject	Before 15 days of start of regular classes of next semester	<i>Completed</i>	<i>0</i>
3	Diagonostic Test	Monthly	<i>Test Conducted for 2018-19 as well as 2019-20 newly admitted students during his/her Induction Program</i>	<i>2000</i>
4	Remedial classes	Two Days Remedial class was organized in 9-10 August 2019, by Faculty members of IIT Patna	<i>In Progress</i>	<i>25000</i>
5	Teaching communicating english / spoken english	A week Training on soft skill was organized for 3rd Semester student from 3-7 Sep, 2019 Two Days Remedial class was organized in 9-10 August 2019, by Faculty members of IIT Patna	<i>In Progress</i>	<i>200000</i>
6	Training in concern department(SC/ST Faculty)	As per requirement	<i>In Progress</i>	<i>80000</i>

7	Construction of Ramps in College	As per requirement	<i>In Progress</i>	0
8	Develop the mechanism of grievance redress in college	Continuous	<i>In Progress</i>	0
9	Framing mechanism by providing E-mail Id, Contact Number, Letter box	Continuous	<i>In Progress</i>	0
10	Departmental Expert Lecture by resource person/ Industry person	As per requirement	<i>In Progress</i>	0
11	Weekly Test	Weekly	<i>In progress</i>	20000
12	To encourage students to build their own learning, so that they may maximize their knowledge	Continuous	<i>In Progress</i>	0
13	Providing Sanitary Pad/ sanitary napkin dispenser in Toilet provided in Girl' Hostel	An order for procurement of Sanitary Napkin Dispenser Vending Machine (2 Nos.) were placed on GeM and not delivered by Supplier even after acceptance of supply	<i>In Progress</i>	40000
14	Conducting test after completion of each topics in each subject in Gate Classes and subsequently conduction of remedial classes/extra classes	During Gate Classes / Employability Skill Training	<i>Completed</i>	0
			Total Amount (A)	369000

Part B: For Minor Civil works

Sl. No.	Name of work	Date & duration	Work completed/ In progress	Actual Expenditure Incurred
1	Tubewell (TEQIP-III/2019/BH/dced/320)		Completed	61900
2	Urinal Slab Installation(TEQIP-III/2019/BH/dced/334)		Completed	63310
3	Window Panel Repair(TEQIP-III/2019/BH/dced/335)		Completed	62606
4	Repairing and renovation of two toilet in Academic Building (TEQIP-III/2019/BH/dced/86)		Completed	128140
5	Toilet/ Washroom Renovation (TEQIP-III/2019/BH/dced/321)		Completed	64070
			Total Amount (B):	380026
Total Expenditure Incurred: A+B		Rs. 749026		

Name of Institute: Lok Nayak Jai Prakash Institute of Technology, Chapra				
Part A: For soft activities				
Sl. No.	Activity undertaken	Date & duration	Activity Completed/ In progress	Actual Expenditure Incurred in Rs.
1	Diagnostic test of students	25/09/2019; 2 hours	Completed	Nil (As the test was conducted by the internal faculties)
2	Remedial Classes for weak students	16/11/19- going on	In progress	Payment to be made
3	Betterment of English and communication skills	Language lab has been established. Purchasing of Spoken English Software(MePro)	In progress	527760.19/-
4	Development of non-cognitive skills in students	A session on Equity and non cognitive skills was conducted as part of induction program (24/09/2019)	Completed	
5	Making Campus physically and socially gender friendly	Women cell has been established.A workshop on Women empowerment was conducted as part of induction program. (26/09/2019). Sanitary Napkin Vending machine has been established in the girls hostel.	Completed	32000/-
6	Faculty Development Programs	12 faculties enrolled in PhD in the 2018-19 session. 38 faculties have taken part in FDP or Workshop in the session 2018-19. CSE department organized 1 FDP in the institute		1468355/-
7	Mentor Mentee	All students have been given one mentor (faculty)		
				Total Amount :2028115/-

Name of Institute: Muzaffarpur Institute of Technology, Muzaffarpur				
Part A: For soft activities				
Sl. No.	Activity undertaken	Date & duration	Activity Completed/ In progress	Actual Expenditure Incurred
1	Identification of weaker student , Improvement of Subject knowledge and transition rate.		IN PROGRESS	NIL
2	Faculty Mentorship and Peer to peer mentorship		IN PROGRESS	NIL

3	Students Participation in Hackathon	COMPLETED	32800	
		COMPLETED	12815	
		COMPLETED	62868	
4	To improve language competency, soft skills and confidence levels	IN PROGRESS	1094568	
5	GATE Training Classes	IN PROGRESS	913000	
6	Expert Lectures	IN PROGRESS		
7	Improving Teachers Effectiveness	WORKSHOPS/ SEMINARS	IN PROGRESS	461293
		CONFERENCES/PAPER PRESENTATIONS	IN PROGRESS	189340
		TRAININGS	IN PROGRESS	680858
		PDT	IN PROGRESS	548211
8	Priority in opportunities to upgrade their domain knowledge for under-qualified teachers .	Faculty Enrolment for PhD.	IN PROGRESS	834014
9	Grievance Redress Mechanism (GRM)	IN PROGRESS	NIL	
		Total	4829767	

Part B: For Minor Civil works

Sl. No.	Name of work	Date & duration	Work completed/ In progress	Actual Expenditure Incurred
1	Refurbishment work	25.05.2019	Completed	304425
2	Aluminium window work in Leather Technology	11.09.2019	Completed	69,173
3	CIVIL WORK In Leather Technology	11.09.219	Completed	38,486
4	Civil Works in Compter Center	23.08.2019	Completed	4481880
			Total Amount (B):	4893964
Total Expenditure Incurred: A+B		9723731		

Name of Institute: Motihari College of Engineering, Motihari

Part A: For soft activities

Sl. No.	Activity undertaken	Date & duration	Activity Completed/ In progress	Actual Expenditure Incurred
1	Induction Program	12 - 30 Sept, 2019	Completed	Rs. 98,175/-
2	Remedial Classes	06 – 07 Sept, 2019	Completed	Rs. 70525/-

SPIU-Bihar/3rd SSC AGENDA/January 2021

3	Improvement of Language of Competency and Soft Skills	13-15 Feb. 2019	Completed	Rs. 101656/-
4	Expert Lecture Industries Academy	27/08/2019	Completed	Rs. 18323/-
5	Expert Lecture On Computer Programming	26/07/2019	Completed	Rs. 32938/-
6	Orientation workshop on GATE	07/08/2019	Completed	Rs. 36576/-
7	Application of remote Sensing and GIS in CIVIL Engineering	12-16 March, 2019	Completed	Rs. 146000/-
8	Methodology And Finite Element Analysis	06-07 Sept, 2019	Completed	Rs. 45169/-
9	GATE Training Classes	16/08/2019 to 31/12/2019	In progress	Rs. 3698000/-
10	Employability Skill Training	03/07/2019 to 31/12/2019	In progress	Rs. 725700/-
11	The future of Engineering and Societies	29 - 31 August 2019	Completed	Rs. 32938/-
13	Remedial Classes	November 26th to December 8th, 2019	Completed	Rs 14,700/-
14	NITTR Training	Nov. 2019 to Jan. 2020	Completed	3,60,000/-
15	National Conference SUNRISE	29-29 November 2019	Completed	4,00,000/-
16	CRS meeting at AICTE, Delhi	15 July 2019	Completed	1,20,000/-
17	Training of BEC by Cambridge English, Patna	14-17 November 2019	Completed	1,20,000/-
18	Students Training at various IITs	September 2019 to December 2019	Completed	2,00,000/-
				Total Rs. 62,25,000/-

Name of Institute: Nalanda College of Engineering, Chandi, Nalanda

Part A: For soft activities

Sl. No.	Activity undertaken	Date & duration	Activity Completed/ In progress	Actual Expenditure Incurred
1	Workshop on deep learning	09/02/2019, one day	completed	50000/-
2	Expert lecture on signal processing for healthcare	19/10/10, one day	completed	66026/-
3	Current Trends in mechanical engineering	23-27 sept 2019	completed	100000/-
4	Expert lecture on micro grid	24/09/19	completed	35000/-
5	Induction program	Sep.2019,	Progress	300000/-

SPIU-Bihar/3rd SSC AGENDA/January 2021

6	IOT	06/11-09/11/19	Completed	453083/-
7	Weakly Test	Jan-May 2019, July-Nov.2019	continue	10000/-
8	Gate class	Aug. 2019-Dec.2019	Completed	3300000/-
9	NBA Visit and preparation	July –Aug.2019	completed	300000/-
		Total Amount (A):		4614109

Annexure H – Environmental Management Framework (EMF)

Sl. No	Environmental Aspect	Management Issues to be considered	MIT Muzaffarpur	GCE Gaya	BCE Bhagalpur	NCE Chandni	LNJPIT Chapra	DCE Darbhanga	AKU Patna
1	Drinking Water	Cleaning and repair of tanks (all overhead tanks) in the premises	Tank have been cleaned	syntex tanks on the roof top are being regularly getting cleaned once in every six months		Water tanks have been cleaned	Water tanks have been cleaned	water tanks have been cleaned in the boys hostel on 10.02.2019	syntex tanks on the roof top are being regularly getting cleaned once in every six months
		Testing of water from all taps/ water tanks	Testing done in the month of June, 2019	only physical parameters along with pH, alkalinity and acidity are being tested.	Testing done in the month of July, 2019	Procurement done to check few parameters		all physical water quality parameters and chemical water quality parameters like pH, acidity, alkalinity, hardness, chloride content, dissolved oxygen content is being carried out in chemistry lab	
		Water cooling system cleaning and Maintenance	Maintained and working	in practice	-	done on regular basis	one water cooler is operational	maintenance has been carried out. new procured cooling systems are yet to be installed.	Maintained and working

		Annual maintenance of water purification system	Filter Changed	already in practice	-	done on regular basis		Procured purification systems yet to be installed.	New installation
2	Sanitation	Regular Cleaning of toilets in both the academic institution and the hostels	The cleaning takes place regularly	new building has been constructed with all such facilities	The cleaning takes place regularly	done on regular basis	All Washrooms/toilets of academic building and lab buildings are cleaned regularly	Regular cleaning takes place at institute and hostels.	new building has been constructed with all such facilities
		Maintenance of fittings and fixtures in academic and residential blocks	Periodically checking		Not yet done	In good condition	Maintenance work has been carried out recently for all washrooms in academic building		Periodically checking
		Maintenance of drain pipes and sewerage mains (if available)	Cleaned		-	In good condition	Maintenance work has been carried out recently for all washrooms in academic building		Cleaned
		Annual Maintenance of any waste water treatment system	Cleaned				WTP not present in the campus	-	Cleaned
		Checking and maintenance of septic tanks	Cleaned						Cleaned

		Linking internal drains to the main municipal drain	Drain Connected			done		-	Drain Connected
3	Drainage	Cleaning of Stormwater drains				done			
		Repair of Stormwater drains				done			
		Repair of down water pipes in buildings							
4	Wastewater from laboratories	Preliminary treatment of wastewater before it is discharged in the drain.	In process	still in development phase, as we are in the process of shifting in the new building		Not done yet	No such facility is available	-	
5	Barrier free Access	Ramps provided in every buildings and conforming to National Building Code	Completed	Elevator is being installed in the new building and will be in working during November 2019	Barrier free access provided to the ground floor	Proposal ready		procurement of prefabricated ramps is under process.	Ramp provided in every block of the building and fulfill all norms
		All faculties have classrooms on		-	Classes are arranged in the GF only	class room allotted for 1st year		time table in charge has	

		the ground floor				students are on ground floor		incorporated in time table.	
		All building have specially designed toilets on the ground floor for the physically challenged and they conform to National Building Code		in the new building this facility has been provided	The proposal is being prepared and place is to be identified			-	Available
6	Solid Waste (Canteen)	Segregation of bio-degradable and non-bio degradable waste	Not Completed yet	still in developing phase	Segregation will be made possible only if the dustbins are procured and request for the same has been made to the TEQIP-3 coordinator. It will be done using GEM portal			-	One bin system
		Treatment of the bio-degradable waste	Not Completed yet	still in developing phase	Not done yet	Automatic Composting Machine not bought yet		-	

		Use of thecompost	Using		Not done yet			-	
7	Solid Waste (MSWCampus)	Collection System(using two bin) and regular clearing of the bins	Proposal has been submitted for dustbin, sanitary vending and sanitary burring machines are installed	still in developing phase		done		1 bin system is currently in practice	
		Disposal System of the MSW	Collected regularly					-	
8	E-Waste	Management of e-Waste as per the E-waste (Management) Rules 2016	All electronic waste kept inside store room and not thrown anywhere in campus	-	No work taken by the representative	All e waste generated are kept at a place in store room and not thrown anywhere in the campus	NA	E-waste management workshop to be proposed	
9	General Electrical Safety	Electrical Safety Audit of the campus (including, classroom, laboratories and hostel)	Regularly monitored	-	Not done yet				

		Electrical Maintenance of the entire campus	Regularly monitored	-	Done as and when required	done			
10	Laboratory Safety	Laboratory Safety Audit				laboratory audit done			
		Development of the Laboratory Safety plan	Not Completed yet		Safety Plan is followed in most of the labs	Safety instructions are shown in lab			
11	Fire Safety	Fire Safety Audit of the Campus (covering all classrooms , laboratories, hostels and canteens)		Fire safety audit was carried out by District fire officer and suggestios has been implimented	Fire extinguishers are available	done			
		Procurement of Fire safety apparatus : extinguishers, risers, hooters and alarms.	Proposal has been submitted	procured and installed as per recomendation of DFO	Workshop conducted in the month of March 2019. Next will be conducted in November 2019	Fire extinguishers are available		requirement of Fire safety apparatus : extinguishers, risers, hooters and alarms has been given to college procurement committee	
		Fire Signages			-				
12	Occupational Health and Safety	OHS Audit in Laboratory			Not done			-	
		Procurement of OHS						-	

		equipment for the laboratory							
13	Construction Safety	Workers Safety	Regularly monitored			currently no any construction work going on			
		Insertion of OHS provision in Construction Contacts.		in practice				-	
						currently no any construction work going on			
					-				
		Provisions of Sanitation for Construction workers						-	
		Segregation of the construction area from the academic areas	Regularly monitored			currently no any construction work going on			
		Legal Compliance to the Building and				currently no any construction work going on			

		Construction Workers Act						
14	Construction and Demolition Waste Management	Inclusion of Construction & Demolition Waste Management in Construction Contract			-	currently no any construction work going on		-
		Enforcement of the Construction and demolition waste management			-	currently no any construction work going on		-
15	Energy Conservation	LED Lighting and Fixtures	Applied at Various places	done	A procurement plan is already made. The proposal will be submitted soon	LED is available in street lights		100 no. of LED bulbs have been put to use
		Solar Installation (on grid and off grid)		In planning phase	BREDA will install the same soon			In Process by BREDA
		Auto shutoff switches in rooms			-			-

		corridors and common areas							
		Solar water heaters						-	
16	Water Conservation	Conduct a Water Audit						-	
		Rain Water Harvesting	Completed in December 2019	Already proposed and send to the department	The project for the final year student is allotted	90% completed	Construction of rain water harvesting structure has been carried out across the campus by building construction department	-	Constructed
		Auto shutoff valve in overhead tanks			Not done	not done		-	
		Reuse of water after treatment						-	
17	Diesel Generator / furnace	Having Consent to Operate and other required permits	Regularly monitored		followed			-	Done
		Maintaining stack height as required under the Environment	Regularly monitored	done	followed			-	Done

		(Protection) Rules 2002,							
		Management of waste generated			followed			-	Done
18	Ecological Conservation	Ecological Inventory	Completed		Three round of plantation has been done in the campus	Plantation has been done in the campus		tree plantation drives are carried out regularly in campus	Yes
		Development of an ecological reserve	Plantation Completed	partially done	For numbering the proposal has already been submitted	Plantation has been done in the campus	Tree plantation drive was carried out in campus in which 1000 trees were planted in the campus	-	Done

Annexure I

MIT Muzaffarpur - Procurement Expenditure Summary				
#	Procurement Head	Items	Amount in Rs.	Total Head-wise Amount in Rs.
1	Equipment	CE Lab Equipment	8008385	46803655
		EE lab Equipment	10396585	
		IT Lab Equipment	743400	
		ME Lab Equipment	6678989	
		ECE Lab Equipment	2784912	
		Leather Technology Lab Equipment	2559420	
		Physics Lab Equipment	326152	
		Chemistry Lab Equipment	239817	
		Computer Center Desktops (68)	4979628	
		Computer Center AC (10)	455362	
		Institute Equipment (Workstation, UPS [3], Lan Network, Networking, Projector [15], Laptop [4], Firewall [1], Server[1])	9631005	
2	Software		8261303	8261303
3	Books		239430	239430
4	E-Books & Journals		1336563	1336563
5	Iway Lab		1498600	1498600
6	Furniture	Computer Chair	337500	3246528
		Office Chair	751860	
		Office Table	532666	
		Conference Table	199190	
		Workstation	1248487	
		Sofa (1, 2, 3-Seater)	158925	
		Book Rack	17900	
7	Minor Civil Works	Refurbishment of Main building	304425	4613920
		Window paneling	69173	
		Repair of Computer Center	4201836	
		Machine ofundation for Equipmeny	38486	
	Total			65999999

	Total Procurement Allocation (in Rs.)	66000000	
	Total Procurement Expenditure (in Rs.)	65999999	
	% Expenditure	100.0	

LNJPIT Chapra - Procurement Expenditure Summary

#	Procurement Head	Items	Amount in Rs.	Total Head-wise Amount in Rs.
1	Equipment	CE Lab Equipment	747414	33516221.1
		EEE lab Equipment	4828908.1	
		CSE Lab Equipment (Computer-150)	11140840	
		ME Lab Equipment	6503522	
		Departmental Computer lab ME, CE, EEE	3996660	
		Chemistry Lab Equipment	95013	
		Institute Equipment (Laptops-50, multifunction printers-6, AC-10, Projector -11 and sound system)	3526149	
		Smart & Interactive Boards (9 & 4)	2677715	
2	Software	Ms Office + tally (100 licenses)	1109436	14774018
		Oracle (10 Licenses)	1386500	
		NETSim (20 Licenses)	1799500	
		STAAD Pro (50 Licenses)	1534000	
		Edwin XP (30 Licenses)	1239000	
		MATLAB (10 Licenses)	1999982	
		Proteous (25 Licenses)	1539900	
		Ansys (10 Licenses)	1649640	
		Mepro (240 Licenses)	527760	
3	E-Journals	Mech. Engg. & Library	1988300	
4	Furniture	Table, Chair, Rack,Purch, Computer table, Computer Chair, Study Table, Study Chair, Faculty Chair (3 seat joint chair purch-10, Computer Table -60, Godrej Computer chair - 60, Office Chair -10, Office table - 4, Open Rack -10, Server Rack-2, Shoes Rack-10, Steel Almirah-30, Study Cahir -100, Study Table-15, Table T8-30	4427780	5929629
		Wood work in Academic Building, all Classrooms, lab	1501849	

5	Minor Civil Works	Making of LED & steel Signage, iron board name plates	194634	4956743
		Maintenance of Classrooms for smart classroom , institute offices and labs	4762109	
Total				59176611.1
		Total Procurement Allocation (in Rs.)	66000000	
		Total Procurement Expenditure (in Rs.)	59176611.1	
		% Expenditure	89.7	

NCE Nalanda- Procurement Expenditure Summary

Procurement #	Head	Items	Amount in Rs.	Total Head-wise Amount in Rs.
1	Equipment	CE Lab Equipment	1552644	39027095.26
		EEE lab Equipment	3126763.98	
		CSE Lab Equipment	1948256	
		ME Lab Equipment	6571493	
		Physics Lab	1392400	
		Chemistry lab	768411.28	
		Smart Board - 13	758520	
		Interactive Boards, notice board and display boards - 22	305417	
		Computer Center Desktops - 125	12388525	
		Laptop - 47	3008634	
		TV & Set-up box - 4	331923	
	Institute Offices (Printer-6, UPS - 45, Projector - 5, Photocopier- 11, Podium - 4, Hard Disks-5, Air-conditioner)	6874108		
2	Software	TALLY (1 license)	20500	6614400
		ARC GIS (50 licenses)	1085600	
		Bentley Academics Bundle (50 licenses)	1534000	
		PROTEUS-Embedded Design and Simulation software (25 licenses)	1539900	
		COMPUTER NETWORK LAB (20 licenses)	1652000	
		M S OFFICE (120)	782400	
3	Books	Library Books (844)	550709	550709
5	Furniture	Computer table (249), Computer Chair (261), Classroom & Library Chair (117), table (64), wooden stool (40), Steel almira (39), book case (29), notice	5580990	5580990

		board (2), Conference Table (1), Executive chair (20), Conference chair (10)		
6	Minor Civil Works	Refurbishment work (Gypsum Partition Wall)	1697560	1697560
			Total	53470754.26
		Total Procurement Allocation (in Rs.)	60000000	
		Total Procurement Expenditure (in Rs.)	53470754.26	
		% Expenditure	89.1	

BCE Bhagalpur- Summary of Procurement Expenditure

#	Procurement Head		Amount in Rs.	Amount in Rs.
1	Equipment	CE Lab Equipment	5255022	42632918
		ECE lab Equipment	9581314	
		EE lab Equipment	8640764	
		ME Lab Equipment	3628163	
		Physics Lab	1098495	
		Desktop Computers for ECE & Electrical (50)	2990400	
		Desktop for Auto CAD Lab, Computer Lab of Civil & CSE Department (150)	9882972	
		Faculty Laptops (42)	2999900	
		Sanitary vending machine & Incinerator (2), Water purifiers (5)	603891	
2	Software	Caspoc Software (16 license)	1976500	10019112
		DigSilent Power Factory Software (25 license)	2183000	
		EDWINXP Software (15 license)	2419000	
		Tally (1 license)	20500	
		VLSI EMPYREAN ZENI EDA SOFTWARE (30 license)	2065000	
		Proteus (22 license)	1355112	
3	Library	Library Management software & bar code scanner	826000	826000
4	E- Journals	Springer	249850	249850
5	Furniture	Computer Table -198 Computer Chair -205 Executive Chair -02 Executive Table-02 Office Chair-03	2711400	2711400

		Office Table-02 Almirah-18		
6	Minor Civil Works	Partition work for Labs	1075644	1075644
Total				57514924
Total Procurement Allocation (in Rs.)			60000000	
Total Procurement Expenditure (in Rs.)			57514924	
% Expenditure			95.9	

DCE Darbhanga - Procurement Expenditure Summary

#	Procurement Head	Items	Amount in Rs.	Total Head-wise Amount in Rs.
1	Equipment	CE Lab Equipment	2721310	40970167
		EEE lab Equipment	3392746	
		CSE Lab Equipment	3797750	
		ME Lab Equipment	6274060	
		Physics Lab Equipment	658322	
		Chemistry Lab Equipment	63417	
		Computer Center Desktops(190)	14752850	
		Faculty Laptops & drives (50)	2819138	
		Institute Offices (Projector-2, External hard drive -11, Printers-12, Photocopier - 3, UPS-18, fan-21, Camera-1, Projector-19, HDD-1, HP Server-1, Speaker-6, water filter & Cooler-6	6645555	
2	Software	Staad pro (50 Licenses)	1534000	13466260
		IGIS (IGIS & IP desktop Software) - 5 Licenses	1770000	
		Oracle - 10 Licenses	1386500	
		Proteous VSM - 25 Licenses	1539900	
		EDWinXP - 30 Licenses	1239000	
		Digsilent (DigSILENT Power Factory Software (PF4E) Education Version, 50 Busbars) - 25 Licenses	2183000	
		Caspoc Software - 16 Licenses	1976500	

		Solid Works EDU Edition 2018-19 - 30 Licenses	649000	
		MS Office - 200 licenses	1017160	
		Ansys - 30 Licenses	1575300	
3	Furniture	Green Board for Classrooms (17)	93500	3897670
		Computer tables (170) and Chairs (220) for Labs	1352634	
		Dual Desk	752000	
		Office Furniture (Table with side locker-4, Executive Table-5, Chairs-55, Conference Table - 1, Almirah with Locker-20, Executive table-5, magazine stand-5, projector-6)	1699536	
4	Minor Civil Works	Repairing and renovation of toilets	255520	380026
		Window Panel Repair	62606	
		Tubewell repair	61900	
			Total	58714123
		Total Procurement Allocation (in Rs.)	60000000	
		Total Procurement Expenditure (in Rs.)	58714123	
		% Expenditure	97.9	

MCE Motihari - Procurement Expenditure Summary

#	Procurement Head	Items	Amount in Rs.	Total Head-wise Amount in Rs.
1	Equipment	CE Lab Equipment	6662315.4	39253566.24
		EEE lab Equipment	10908297	
		CSE Lab Equipment (40)	9479562.6	
		ME Lab Equipment	6792260.06	
		Physics Lab	748769	
		Laptops (6)	296700	
		Institute Offices (Multifunction printer and copier, UPS, Projector & Audio-visual system, Air-conditioner-20, TV)	4365662.18	
2	Software	Bentley (50 licenses)	1534000	10462194.95
		NetSim(Academic) (30 licenses)	885000	
		MATLAB (30 licenses)	4764415	

		Proteus VSM Software (25 licenses)	1539900	
		Ansys Software(Mech & Civil) (26)	1475000	
		Me Pro software (120)	263879.95	
5	Furniture	Computer tables (160) and Chairs (100) for Labs	1571245	3843972.82
		Faculty Chair (50), Conference Chair (50), Almirah (15), Rack (20), Faculty Table (50), Conference table (2)	2272727.82	
6	Minor Civil Works	Wooden ply office with paint & Putty and bathroom Gate repairing & Sheet filling	45310	136170
		Partitioning Work	90860	
Total				53695904.01
Total Procurement Allocation (in Rs.)			60000000	
Total Procurement Expenditure (in Rs.)			53695904.01	
% Expenditure			89.5	

GCE Gaya - Procurement Expenditure Summary

Procurement #	Head	Items	Amount in Rs.	Total Head-wise Amount in Rs.
1	Equipment	CE Lab Equipment	8047010	38276126
		EEE lab Equipment	3249897	
		ME Lab Equipment	4075450	
		Desktop (164), laptop (43), UPS (8)	15314950	
		Air-conditioners (32)	1835520	
		Fire Extinguisher (80)	742547	
		Smart Class with digital podium (8)	3454400	
		Toilet Equipment (sanitary vending machine -3)	109179	
		Conference Table Microphone (26)	399999	
2	Software	TALLY ERP 9 (1 license)	20500	5884244
		Master Soft ERP (1 license)	413000	
		Ansys Software Solutions (26 licenses)	1575300	
		MATLAB (10 licenses)	737465	
		Embedded Design and Simulation software , Proteus VSM and PCB (25 licenses)	1539900	
		CSI (10 licenses)	1180000	
3	Books	Text Books (2646)	1048427	5884244

4	E-Books & Journals	E-Books (181)	128389	
5	Furniture	Almirah (30), Book shelf (125), Visitor Chair (30)	4615021	11324655
		Chair (370), Table (236)	5083075	
		White Board (4)	33560	
		Dual Desk (300)	1593000	
6	Minor Civil Works	Repairing and renovation of Examination cell and TPO Cell	314031	805973
		Toilet construction	432000	
		Maintainance of Electrical Machine Lab	59942	
			Total	56290998
		Total Procurement Allocation (in Rs.)	60000000	
		Total Procurement Expenditure (in Rs.)	56290998	
		% Expenditure	93.8	