



JSS Mahavidyapeetha

**Sri Jayachamarajendra College of Engineering Mysore – 570 006**

(Autonomous institution under Visvesvaraya Technological University, Belgaum)

**Proceedings of 6<sup>th</sup> BoG meeting held on 08.02.2021**

**B6.1 To read and record the proceedings of the 5<sup>th</sup> BoG Meeting**

Welcome to the members of the Board of Governors of TEQIP Phase-III, a World Bank assisted project under Government of India. The proceedings of the fifth BoG meeting have been circulated amongst the members and there were no comments received and the members were requested to give approval.

**Noted and approved.**

**B6.2 ACTION TAKEN ON RELEVANT POINTS OF 5<sup>th</sup> BoG MEETING**

**B6.2.1 Appointing start-up cell coordinator**

Principal informed the BoG Members that Dr. M P Pushpalatha has been made start up cell coordinator since she also coordinates New Age Incubation Network (NAIN) project from Department of IT-BT, Government of Karnataka. Principal also informed that the project will be started in the 2<sup>nd</sup> floor of Dept of Industrial & Production Engineering and the same office will be utilized for start-up cell activities. There was a long discussion on the coordinator of start-up cell and NAIN Project. The Principal informed that start-up cell is a mandate of AICTE and NAIN is also to promote start-ups but funded by Government of Karnataka. There was a long discussion on the space requirement for the NAIN project. Executive Secretary suggested to examine the following:

1. Discuss with Dr. Menon on the space at STEP
2. The start-up Cell, NAIN and STEP should work under one umbrella and device a long term plan for sustainability.
3. Members suggested NAIN project can be started in the 2<sup>nd</sup> floor of department of Industrial & Production Engineering.
4. The mezzanine floor and cellar floor of STEP building can also be explored for NAIN project and the members informed to verify the total area available for the project (2000 Sq Mt.)
5. For start-up cell coordinator a list of senior faculty members should be identified.
6. Executive secretary, JSS MVP will make inspection of the space available in the department of Industrial & Production Engineering.

**Action taken:**

Principal has communicated through e-mails with Mr. Shivashanakar. B and Mr. P. K. B. Menon on the requirement of space for NAIN project in SJCE-STEP building. Mr. Menon has indicated that there will be revenue loss and reduction in space for incubation centre (NIDHI incubator program) due to utilization of STEP building space for NAIN project. Mr. Shivashankar B informed that Dr. C G Betsurmatah, Executive Secretary visited the STEP facility and had discussion about NAIN project with him. Since, there is plan of establishing product development centre at STEP premises, it was decided in their meeting to establish the NAIN project in the 2<sup>nd</sup> floor of department of Industrial & Production Engineering. Further, Dr. Pushpalatha, Coordinator of NAIN project received a letter from Advisor-TED on 4<sup>th</sup> December 2019 indicating that the 2<sup>nd</sup> floor of department of Industrial & Production Engineering can be utilized for NAIN project. It was also suggested to include Chief Executive



of SJCE-STEP as a member for the committee to be constituted under the chairmanship of Principal. Action shall be initiated to utilize the 2<sup>nd</sup> floor of Industrial & Production Engineering to setup NAIN centre. From the following senior faculty members the start-up cell coordinator shall be identified. However, it is desirable that Dr. Pushpalatha M P shall coordinate the Start-up cell activities since she will be coordinating the NAIN project activities.

1. Dr. Pushpalatha M P, Professor & Head, Department of CS&E and coordinator for NAIN project
2. Dr. B S Mahananda, Associate Professor, Department of IS&E
3. Dr. Rathnakara S, Assistant Professor, Department of IT

*In 4<sup>th</sup> BoG a resolution is made on: Regarding space for establishing the NAIN project, Advisor informed that the 3<sup>rd</sup> floor of I&P block can be utilised for the project. Vice Chancellor informed that if there is no constraint on split floor area requirement then STEP building can be utilised and informed that the NAIN coordinator should verify with concerned authorities. The Executive Secretary informed that Vice Chancellor of JSS S&TU should visit STEP building and I&P block for finalisation of the space. Vice Chancellor also informed that there is a proposal on introduction on innovation lab. He informed that an innovation lab will be established for conversion of ideas to product. Advisor suggested that the proposed innovation lab can be linked to NAIN project. Principal requested that there is an urgent need for the appointment of Centre Manager for NAIN project. Advisor informed to send the details of the appointment through a file.*

*Regarding coordinator for Startup cell, Executive Secretary informed that Dr. M P Pushpalatha can be made as coordinator for Startup cell and she should take assistance from the Vice Chancellor. The startup cell coordinator should closely associate with the Chief Executive of SJCE-STEP.*

Dr. M P Pushpalatha has been informed that she has been recommended as coordinator for Start-up cell and she should take assistance from the Vice Chancellor. Dr. M P Pushpalatha has been informed that she should closely associate with the Chief Executive of SJCE-STEP. Dr. M. P. Pushpalatha has proposed several programs under start-up cell and the details of the programs are listed in sections B5.6.2.1 and B5.6.2.2. The central manager for NAIN project has been appointed. The place for innovation lab and NAIN project have been identified in the 3<sup>rd</sup> floor of IS block.

#### **Noted and Approved**

***B5.2.2 To conduct impact analysis of TEQIP-I & TEQIP- II (Item No. 3.2.2 of 3rd BoG meeting held on 30.09.2019 and Item No. B4.2.2 of 4<sup>th</sup> BoG Meeting held on 7<sup>th</sup> February 2020)***

In the 3<sup>rd</sup> BoG meeting Principal informed that the files required to prepare the impact analysis of TEQIP-I could not be made since the TEQIP-I coordinator Dr. Sudhakar Samuel is no more. It was requested to Dr. B G Sangameshwara who was the then Principal who executed the TEQIP Phase-1 activities at that time to provide the impact analysis report on the tangible outcomes. A request letter was sent again to Dr. B.G Sangameshwara to submit the report on impact analysis of TEQIP I. No information was received from Dr. B G Sangameshwara till date.

Dr. S K Prasad, who coordinated TEQIP II was requested to provide the impact analysis for procurement and academic activities done under TEQIP-II. Dr. S.K Prasad provided a detailed report and submitted. The members did not agree to the details of impact analysis presented by Dr. S K Prasad and it was suggested to revise the report. Dr. S. K. Prasad, TEQIP II Coordinator revised the report and made a power point presentation to the members of BoG in 3<sup>rd</sup> BoG meeting. The committee opined that the revised report and presentation material be submitted to the Advisor-TED, JSS MVP for approval.

#### **Action Taken:**

Since Dr. B G Sangameshwara did not respond on presenting impact analysis of TEQIP-I, Dr. A N Santosh Kumar, Professor, Dept of Mechanical Engineering has been requested to prepare the impact analysis report of TEQIP I since he was the procurement coordinator in TEQIP



Phase-I. A team of faculty members has been constituted to identify the various parameters for impact analysis of TEQIP Phase I.

As opined by the members in the 3<sup>rd</sup> BoG meeting, Dr. S K Prasad was informed to submit the TEQIP-II impact analysis report to the Advisor-TED. Dr. S.K. Prasad submitted the report to the Advisor-TED for his approval. Approval has been provided by the Advisor, JSS MVP. Further, the report has been sent in a file to the Registrar, JSS Science and Technology University on 8<sup>th</sup> January 2020 for approval from the Executive Secretary, JSSMVP.

**4<sup>th</sup> BoG Resolution:** The members went through the impact analysis report of TEQIP-I submitted by Dr. A.N Santhosh and his team. The Executive Secretary questioned the basis for the parameters identified for impact analysis and informed to provide the full details of analysis. Executive Secretary informed that there were non-utilisation of equipments/software procured under TEQIP-I and suggested to relook into the impact analysis report. Advisor and Executive Secretary were of the opinion that there is need for qualitative analysis of both TEQIP-I and TEQIP-II. They also suggested that the reports should be analysed by Vice Chancellor before it is considered for approval in the next BoG/BoG Subcommittee. Executive Secretary also informed to collect the details of Publications/ R&D/ Consultancy done by each of the faculty for last 10 years.

***Action taken:***

For qualitative impact analysis of TEQIP- I and TEQIP-II, Dr. A. N. Santhosh Kumar and team as well as Dr. S.K. Prasad were informed to consult Vice Chancellor to apprise him of the activities done in TEQIP I and TEQIP II respectively. However due to COVID-19, the college was declared holiday from 19<sup>th</sup> March 2020, not much progress has been made. Once the impact analysis is submitted, the same will be placed in the subsequent BoG.

**5<sup>th</sup> BoG Resolution:** The BoG Members informed that the impact analysis report of TEQIP-I and TEQIP-II should be revised and submitted to Vice chancellor for his approval.

***Action taken: A committee of Senior faculty members has been formed for revision and the same has been placed in the BoG for approval.***

**6<sup>th</sup> BoG Resolution:**

**It was informed in the meeting that the draft report of impact analysis of TEQIP-1 & II prepared by the committee showing improvement in placement, journal publications and R&D etc., should be submitted to the Registrar, JSS ST&U and Vice chancellor, JSS S&TU for revision and approval.**

***B6.2.3 Resolution: Demonstration of Google form containing questionnaire for faculty organising and attending activities under faculty/staff development and motivation (TEQIP III) were made to members. Members suggested circulating the Google form among the faculty members for taking feedback for impact analysis. As suggested in the BoG meeting the Google forms were circulated to all the members of faculty (Item No. B4.2.3 of 4<sup>th</sup> BoG Meeting held on 7<sup>th</sup> February 2020).***

***Action taken:***

A comprehensive report will be submitted to BoG by the end of Sept 2020 (project completion). The details of Google form received as on date will be presented in the 4<sup>th</sup> BoG meeting.

***Resolution: The members informed that the faculty/ staff development impact analysis should be presented in the next BoG meeting.***

***Action taken:***



TEQIP office has provided the amount spent by individual departments under different heads and the same has been circulated to all the departments to provide the impact of TEQIP III activities done in respective department in terms of:

- Equipment utilization for academic, consultancy and R&D.
- Increase in publications in refereed journals
- Conduction and faculty attending various academic programs resulting in overall growth of department
- Students accomplishment
- Patents filing
- Increase in enrolment of PhD scholars
- R&D proposals submitted to funding agencies
- Increase in industry participation in curriculum development
- Increase in placement opportunities and others if any

Once the individual department submits the report the same will be compiled and a comprehensive report will be prepared. Since TEQIP III is ending by March 2021 and most of the academic programs will be ending by mid March 2021 the complete impact analysis report will be presented in the next BoG. TEQIP-III is also preparing a report showing the achievements made by individual departments in TEQIP-III in terms of procurement utility and impact of academic activities.

It was informed in the meeting that the impact analysis of TEQIP-III should be submitted after its completion in the month of March 2021.

***B6.2.4 Resolution: During discussion on the proposal for conducting events during Swachhta Pakhwada 2019 program (Page – 49 of 3rd BoG agenda notes) by Dept of Environmental Engineering, the members suggested the following (Item No. B4.2.4 of 4<sup>th</sup> BoG Meeting held on 7<sup>th</sup> February 2020).***

- *To propose activities on plastic free campus*
- *Organising Ideathon for innovation on plastic waste management including disposal/reuse and recycle*
- *Students innovative projects for collection and disposal of single use plastics*
- *Survey of plastic in campus by collecting solid waste from the campus including hostels, commercial complex, other institutes in the campus(Quantification of plastic waste in campus)*
- *To conduct awareness program on plastic waste management.*
- *Department of Environmental Engineering should submit a report in the next BoG*

***Action taken:***

The Department of Environmental Engineering submitted a comprehensive report.

**Resolution:** Executive Secretary suggested that the department of Environmental Engineering should prepare a report for the present status of waste management in the campus and a detailed proposal needs to be prepared. Executive Secretary also suggested conducting more activities for the village Chikkanaya Hundi adopted by JSS S&TU in consultation with Vice Chancellor. The committee approved the comprehensive report submitted by the department of Environmental Engineering showing the details of activities conducted under Swachhta Pakhwada.

***Action taken:***

The committee formed for looking after activities of adopted village Chikkanaya Hundi had discussion with Vice Chancellor, JSS STU. Vice Chancellor suggested few programs for adopted village and the proceedings of the meeting are in Annexure 1. At present the programs cannot be planned due to present situation of Covid 19. Once the present situation improves activities will be conducted with approval from Vice chancellor.

**The subject was informed in 6<sup>th</sup> BoG and this subject is closed.**



***B6.2.5 Resolution: During discussion on four funds (Page – 2 of 3rd BoG proceedings) the members suggested to provide the four funds detail of TEQIP I & II including the status of the fund (Item No. B4.2.5 of 4<sup>th</sup> BoG Meeting held on 7<sup>th</sup> February 2020).***

***Action taken:***

After going through the files of TEQIP Phase - I it was found that no four funds were kept at SJCE. Under TEQIP Phase –II as on 6<sup>th</sup> June 2018 the four fund invested was Rs. 623.30 lakhs. The details of the fixed deposits (four funds) are shown in **Annexure -1**. As per the statement provided by finance section of JSS Science and Technology University the TEQIP Phase –II four funds available as on 1<sup>st</sup> Oct 2019 is Rs. 685.87 lakhs.

Under TEQIP Phase-III, NPIU informed to provide the information of Internal Revenue Generated (IRG) through variety of sources during the year 2017-18, 2018-19 and 2019-20 (NPIU/SPIU e-mail dated 28.11.2019). The Registrar Office, JSS Science & Technology University provided the IRG details which indicate that the total IRG for three years is Rs. 10673.52 Lakhs. Since, 8% of IRG has to be kept in four funds, the amount to be kept in four funds will be Rs.853.88 Lakhs. As suggested in 9<sup>th</sup> BoG Sub Committee meeting the document showing IRG and Four funds details was sent to the office of Director (Finance), JSS MVP to provide the opinion. Director, (Finance) indicated that the college cannot keep Rs. 853.88 lakhs in FD and further it exceeds the TEQIP grant of Rs. 700.00 lakhs.

The Vice Chancellor informed that since it is a requirement from NPIU, SJCE should keep 8 % of IRG in four funds of TEQIP III. Principal informed the committee that several TEQIP III colleges have kept less percent of IRG as four funds. No decision was taken in the meeting regarding four funds to be kept under TEQIP III at SJCE.

The committee informed that principal in consultation with Finance officer, JSS ST&U, Director Finance should prepare a report and submit to advisor for approval.

***B6.2.6 Resolution: Regarding the proposal on funding to CUBESAT project from dept of Electronics and communication Engg, Prof. Vasagam informed that prelaunch of student's project satellites has been stopped by ISRO (Item No. B4.2.6 of 4<sup>th</sup> BoG Meeting held on 7<sup>th</sup> February 2020).***

***Action taken:***

The coordinator of CUBESAT project has been informed about stopping of funding by ISRO for student project satellite.

***The subject was informed in 4<sup>th</sup> BoG and this subject is closed.***

***For kind information and approval***



### B6.3 Activities conducted

#### B6.3.1 Expenditure details

Following table shows the details of expenditure done in various heads as on 05.02.2021 in PFMS.

Sub – Component		Expenditure in Rs.
<b>1.3.1 Procurement of Goods</b>	1.3.1.1 –Equipments	2,91,55,146.00
	1.3.1.2 - Learning Resources	48,66,910.00
	1.3.1.3- Furniture	1,36,800.00
<b>Total</b>		<b>3,41,58,856.00</b>
<b>1.3.2 Academic Processes</b>	1.3.2.1 - Improve Students Learning	51,55,612.00
	1.3.2.3 - Graduates Employability	18,37,433.00
	1.3.2.4 - Faculty/Staff Development and Motivation	1,33,57,088.00
	1.3.2.5 - Research and Development	37,38,004.00
	1.3.2.6 - MOOCs and Digital Learning	2,06,600.00
	1.3.2.7 - Mentoring/Twinning System	17,01,386.00
	1.3.2.8 - Reforms and Governance	6,61,656.00
	1.3.2.9 - Management Capacity Development	3,36,336.00
	1.3.2.10 – Services	2,00,600.00
	1.3.2.11 - Industry-Institute Interaction	8,87,135.00
	1.3.2.2- Assistantship	17,40,000.00
<b>Total</b>		<b>2,98,21,850.00</b>
<b>1.3.3 Operating Costs</b>	1.3.3.1 – Consumables	81,124.00
	1.3.3.2 - Operation & Maintenance of Equipments	20,613.00
	1.3.3.3 - Office Expenses	4,11,940.00
	1.3.3.4 – Meetings	12,86,692.00
	1.3.3.5 - Hiring of Vehicles	17,217.00
	1.3.3.6 - Travel Cost	1,546.00
	1.3.3.7 – Salary	21,16,393.00
<b>Total</b>		<b>39,35,525.00</b>
<b>Grand Total</b>		<b>6,79,16,231.00</b>

#### B6.3.2 Activities conducted as on date

The details of procurement showing actual expenditure and the academic activities done under the following heads showing estimated expenditure and actual expenditure approved in previous BoG/ BoG Subcommittee is shown in Annexure -2 for the following.

B6.3.2 Procurement of Goods

B6.3.3 Academic Processes

B6.3.3.1 Improve Student Learning

B6.3.3.2 Graduates Employability

B6.3.3.3 Faculty/Staff Development and Motivation

B6.3.3.4 Research and Development

B6.3.3.5 MOOCs and Digital Learning

B6.3.3.6 Mentoring/Twinning system

B6.3.3.7 Reforms and Governance

B6.3.3.8 Management Capacity Development

B6.3.3.9 Industry-Institute Interaction

B6.3.3.10 Operating Costs & others

B6.3.3.11 Office expenses/ Attending/ Stationary/ Consumables/ Salary for TEQIP III

B6.3.3.12 Others

**Noted and Approved**



## B6.4 Agenda and Notes

### B6.4.1 Procurement of Goods






**Equipments** (for hostel, sports and any non academic activity not permitted), **Learning resources** (e-books, e-journals, softwares, text book etc.), **Furniture** (for hostel, sports and any non academic activity not permitted, but allowed for TEQIP Cell), **Minor civil works** (for hostel, sports and any non academic activity not permitted, no new building), (repair, maintenance & extension allowed)

### B6.4.2 Equipments and Learning Resources for JSS MMRC

Following are the equipments approved in 10<sup>th</sup> BoG Sub Committee Meeting for JSSMMRC






Sl.No	Device Type with make & Spec's	Qty.	Estimated Unit Price in Rs.	Estimated Total Cost in Rs.	GeM Link	Image	Remarks
1.	<b>Category:</b> DSLR/ COMPACT / HANDHELD CAMCORDER or VIDEO CAMERAS <b>Make and Model brief Specification:</b> Sony 4K 3-CMOS 1/3” sensor XDCAM camcorder PXW-Z190), 21X zoom, Video and Audio recorder with live video streaming.	03	271270/-	813810/-	<a href="https://mkp.gem.gov.in/dslr-compact-handheld-camcorder-video-cameras/4k-3-cmos-1-3-sensor-xdcam-camcorder/p-5116877-90755962218-cat.html#variant_id=5116877-90755962218">https://mkp.gem.gov.in/dslr-compact-handheld-camcorder-video-cameras/4k-3-cmos-1-3-sensor-xdcam-camcorder/p-5116877-90755962218-cat.html#variant_id=5116877-90755962218</a>		Equipment and Specification remains same, To be procured under PAC
2.	<b>Category:</b> Mini Extension Pole Cum Tripod Cum Shooting Grip (Accessories for Action Cameras) <b>Make and Model brief Specification:</b> Tripod: miliboo Tripod with Kit Model No. MTT609A	03	23399/-	70197/-	<a href="https://mkp.gem.gov.in/mini-extension-pole-cum-tripod-cum-shooting-grip/miliboo-tripod-with-kit-model-no-mtt609a/p-5116877-46685943629-cat.html#variant_id=5116877-46685943629">https://mkp.gem.gov.in/mini-extension-pole-cum-tripod-cum-shooting-grip/miliboo-tripod-with-kit-model-no-mtt609a/p-5116877-46685943629-cat.html#variant_id=5116877-46685943629</a>		Equipment and Specification remains same, To be procured under PAC
3.	<b>Category:</b> Audio presentation and composing equipment and hardware and controllers > Teleprompter <b>Make and Model brief Specification:</b> Teleprompter: SAMVAD QUICK PRO 19 INCH), 4mm mirror thickness, Software Licensed	01	279070/-	279070/-	<a href="https://mkp.gem.gov.in/teleprompter/samvad-teleprompter/p-5116877-27958132049-cat.html#variant_id=5116877-27958132049">https://mkp.gem.gov.in/teleprompter/samvad-teleprompter/p-5116877-27958132049-cat.html#variant_id=5116877-27958132049</a>		Equipment and Specification remains same, To be procured under PAC
4.	<b>Category:</b> > Consumer electronics > Audio and visual equipment > Switcher <b>Make and Model brief Specification:</b> Video Switcher: (Sony) (MCX-500), 8 input and 4 output numbers, HDMI, 3G SDI, Lin-in, Full HD	01	224900/-	224900/-	<a href="https://mkp.gem.gov.in/switcher/multi-camera-video-switcher-live-production-unit/p-5116877-62926723453-cat.html#variant_id=5116877-62926723453">https://mkp.gem.gov.in/switcher/multi-camera-video-switcher-live-production-unit/p-5116877-62926723453-cat.html#variant_id=5116877-62926723453</a>		Equipment and Specification remains same, To be procured under PAC



5.	<p><b>Category:</b> Media control systems or wireless presentation system  <b>Make and Model brief Specification:</b> Converter: Blackmagic Design- Mini Converter SDI to Analog- 720 FPS</p>	01	19800/-	19800/-	<a href="https://mkp.gem.gov.in/media-control-systems-wireless-presentation-system/mini-converter-sdi-analog-blackmagic-design/p-5116877-80826865027-cat.html#variant_id=5116877-80826865027">https://mkp.gem.gov.in/media-control-systems-wireless-presentation-system/mini-converter-sdi-analog-blackmagic-design/p-5116877-80826865027-cat.html#variant_id=5116877-80826865027</a>		Equipment and Specification remains same, To be procured under PAC
6.	<p><b>Category</b> &gt; Consumer electronics &gt; Audio and visual equipment &gt; PA Speaker  <b>Make and Model brief Specification:</b>Active monitor speaker: JBL- 5" Two-Way Powered Studio Monitor- LSR-305</p>	01 set-2 Nos	17199/-	17199/-	<a href="https://mkp.gem.gov.in/pa-speaker/5-two-way-powered-studio-monitor/p-5116877-67474755648-cat.html#variant_id=5116877-67474755648">https://mkp.gem.gov.in/pa-speaker/5-two-way-powered-studio-monitor/p-5116877-67474755648-cat.html#variant_id=5116877-67474755648</a>		Equipment and Specification remains same, To be procured under PAC
7.	<p><b>Category:</b> &gt; Information Technology Broadcasting and Telecommunications &gt; Computer Equipment and Accessories &gt; Computer Displays &gt; Liquid Crystal Display LCD Panel or Monitors  <b>Make and Model brief Specification:</b> Broadcast Monitor: Data video - 17" Broadcast Monitor SD/HD SDI or HDMI Ports 4: 3 &amp; 16: 9 Ratio</p>	01	280000/-	280000/-	<a href="https://mkp.gem.gov.in/liquid-crystal-display-lcd-panel-monitors/17-broadcast-monitor-sd-hd-sdi-hdmi-ports/p-5116877-51824912630-cat.html#variant_id=5116877-51824912630">https://mkp.gem.gov.in/liquid-crystal-display-lcd-panel-monitors/17-broadcast-monitor-sd-hd-sdi-hdmi-ports/p-5116877-51824912630-cat.html#variant_id=5116877-51824912630</a>		Equipment and Specification remains same, To be procured under PAC
8.	<p><b>Category:</b> Audio presentation and composing equipment and hardware and controllers &gt; PA Mixer  <b>Make and Model brief Specification:</b> PA MIXER YAMAHA (Yamaha) (YAMAHA MG20XU 20 INPUT 6 BUS MIXER)</p>	01	40000/-	40000/-	<a href="https://mkp.gem.gov.in/pa-mixer/pa-mixer-yamaha/p-5116877-57504829032-cat.html#variant_id=5116877-57504829032">https://mkp.gem.gov.in/pa-mixer/pa-mixer-yamaha/p-5116877-57504829032-cat.html#variant_id=5116877-57504829032</a>		Equipment and Specification remains same, To be procured under PAC
9.	<p><b>Category:</b> &gt; Information Technology Broadcasting and Telecommunications &gt; Data Voice or Multimedia Network Equipment or Platforms and Accessories &gt; telephony equipment &gt; pabx system-EPABX  <b>Make and Model brief Specification:</b> Talkback Intercom system: Data Video ITC-100 Intercom System</p>	01	292500/-	292500/-	<a href="https://mkp.gem.gov.in/pabx-system-epabx/data-video-itc-100-intercom-system/p-5116877-41638799566-cat.html#variant_id=5116877-41638799566">https://mkp.gem.gov.in/pabx-system-epabx/data-video-itc-100-intercom-system/p-5116877-41638799566-cat.html#variant_id=5116877-41638799566</a>		Equipment and Specification remains same, To be procured under PAC









10.	<p><b>Category:</b> Domestic Appliances and Supplies and Consumer Electronic Products &gt; Consumer electronics &gt; Audio and visual equipment &gt; Microphone</p> <p><b>Make and Model brief Specification:</b> Wireless Presenter set (Collar Mic) (sennheiser) (Sennheiser XSW 2 ME2)</p>	02	31410/-	62820/-	<a href="https://mkp.gem.gov.in/microphone/wireless-presenter-set-collar-mic-p-5116877-96599122776-cat.html#variant_id=5116877-96599122776">https://mkp.gem.gov.in/microphone/wireless-presenter-set-collar-mic-p-5116877-96599122776-cat.html#variant_id=5116877-96599122776</a>		Equipment and Specification remains same, To be procured under PAC
11.	<p><b>Category:</b> &gt; Domestic Appliances and Supplies and Consumer Electronic Products &gt; Consumer electronics &gt; Audio and visual equipment &gt; Microphone</p> <p><b>Make and Model brief Specification:</b> Wired SONY ECM-77B LAPEL COLLAR MICROPHONE</p>	02	27750/-	55500/-	<a href="https://mkp.gem.gov.in/microphone/sony-ecm-77b-lapel-microphone-p-5116877-28244266628-cat.html#variant_id=5116877-28244266628">https://mkp.gem.gov.in/microphone/sony-ecm-77b-lapel-microphone-p-5116877-28244266628-cat.html#variant_id=5116877-28244266628</a>		Equipment and Specification remains same, To be procured under PAC
12.	<p><b>Category:</b> &gt; Information Technology Broadcasting and Telecommunications &gt; Computer Equipment and Accessories &gt; Computers &gt; All in One PC</p> <p><b>Make and Model brief Specification:</b> Dell OptiPlex 5480 AIO 1000 @7200 rpm GB HDD 64 2 Processor with Height Adjustable Display All in one pc</p>	02	117000/-	234000/-	<a href="https://mkp.gem.gov.in/all-one-pc/dell-optiplex-5480-aio-p-5116877-98465435540-cat.html#variant_id=5116877-98465435540">https://mkp.gem.gov.in/all-one-pc/dell-optiplex-5480-aio-p-5116877-98465435540-cat.html#variant_id=5116877-98465435540</a>		Equipment and Specification remains same, To be procured under PAC
13.	<p><b>Category:</b> &gt; Information Technology Broadcasting and Telecommunications &gt; Computer Equipment and Accessories &gt; Computers, All in One PC</p> <p><b>Make and Model brief specification:</b> Apple NA GB HDD 64 0 Processor with Standard Display All in one pc</p>	02	185219/-	370438/-	<a href="https://mkp.gem.gov.in/all-one-pc/apple-mxwu2hn-app-27-inch-imac-with-retina-p-5116877-48265995357-cat.html#variant_id=5116877-48265995357">https://mkp.gem.gov.in/all-one-pc/apple-mxwu2hn-app-27-inch-imac-with-retina-p-5116877-48265995357-cat.html#variant_id=5116877-48265995357</a>		Earlier equipment was not available, Hence alternate equipment is given, To be procured under PAC
14.	<p><b>Category:</b> &gt; Domestic Appliances and Supplies and Consumer Electronic Products &gt; Consumer electronics &gt; Audio and visual equipment &gt; PA Speaker</p> <p><b>Make and Model brief Specification:</b> Sennheiser HD 380 Pro Headphones</p>	02	12400/-	24800/-	<a href="https://mkp.gem.gov.in/pa-speaker/sennheiser-hd-380-pro-headphones-p-5116877-52906204046-cat.html#variant_id=5116877-52906204046">https://mkp.gem.gov.in/pa-speaker/sennheiser-hd-380-pro-headphones-p-5116877-52906204046-cat.html#variant_id=5116877-52906204046</a>		Earlier equipment was not available, Hence alternate equipment is given, To be procured under PAC









15.	<p><b>Category:</b> &gt; Domestic Appliances and Supplies and Consumer Electronic Products &gt; Consumer electronics &gt; Audio and visual equipment &gt; PA Speaker</p> <p><b>Make and Model brief Specification:</b> Sennheiser HD 280 Pro Headphones</p>	04	3450/-	13800/-	<p><a href="https://mkp.gem.gov.in/pa-speaker/sennheiser-hd-280-pro-headphones/p-5116877-42405022078-cat.html#variant_id=5116877-42405022078">https://mkp.gem.gov.in/pa-speaker/sennheiser-hd-280-pro-headphones/p-5116877-42405022078-cat.html#variant_id=5116877-42405022078</a></p>		Earlier equipment was not available, Hence alternate equipment is given, To be procured under PAC
16.	<p><b>Category:</b> Domestic Appliances and Supplies and Consumer Electronic Products &gt; Consumer electronics &gt; Audio and visual equipment &gt; PA Speaker</p> <p><b>Make and Model brief Specification:</b> Ahuja brand 60 Watts 2-Way Compact PA Wall Speakers (ahuja) (ASX-612BT)</p>	04 Units	4755/-	19020/-	<p><a href="https://mkp.gem.gov.in/pa-speaker/ahuja-brand-60-watts-2-way-compact-pa/p-5116877-5805551446-cat.html#variant_id=5116877-5805551446">https://mkp.gem.gov.in/pa-speaker/ahuja-brand-60-watts-2-way-compact-pa/p-5116877-5805551446-cat.html#variant_id=5116877-5805551446</a></p>		Equipment and Specification remains same, To be procured under PAC
17.	<p><b>Category:</b> Audio and visual presentation and composing equipment &gt; Audio presentation and composing equipment and hardware and controllers &gt; PA Mixer</p> <p><b>Make and Model brief Specification:</b> SOUNDCRAFT NOTEPAD-5 ANALOG MIXER- 1 Microphone Preamplifier</p>	01	9458/-	9458/-	<p><a href="https://mkp.gem.gov.in/pa-mixer/analog-mixing-console/p-5116877-32536869684-cat.html#variant_id=5116877-32536869684">https://mkp.gem.gov.in/pa-mixer/analog-mixing-console/p-5116877-32536869684-cat.html#variant_id=5116877-32536869684</a></p>		Equipment and Specification remains same, To be procured under PAC
18.	<p><b>Category:</b> Domestic Appliances and Supplies and Consumer Electronic Products &gt; Consumer electronics &gt; Audio and visual equipment &gt; Microphone</p> <p><b>Make and Model brief Specification:</b> C214-Condenser Vocal Microphone (akg)</p>	01	37015/-	37015/-	<p><a href="https://mkp.gem.gov.in/microphone/c214-condenser-microphone/p-5116877-91541796456-cat.html#variant_id=5116877-91541796456">https://mkp.gem.gov.in/microphone/c214-condenser-microphone/p-5116877-91541796456-cat.html#variant_id=5116877-91541796456</a></p>		Equipment and Specification remains same, To be procured under PAC
19.	<p><b>Category:</b> &gt; Audio and visual presentation and composing equipment &gt; VIDEO COMBIN VIDEO AUDIO PRESENT EQU HARDWARE CONTROL &gt; media control systems or wireless presentation system</p> <p><b>Make and Model brief Specification:</b> Converter: Datavideo DAC-70 SD/HD/3G-SDI/VGA/HDMI Up/Down/Cross Converter / Scaler</p>	01	56640/-	56640/-	<p><a href="https://mkp.gem.gov.in/media-control-systems-wireless-presentation-system/datavideo-dac-70-sd-hd-3g-sdi-vga/p-5116877-39760942103-cat.html#variant_id=5116877-39760942103">https://mkp.gem.gov.in/media-control-systems-wireless-presentation-system/datavideo-dac-70-sd-hd-3g-sdi-vga/p-5116877-39760942103-cat.html#variant_id=5116877-39760942103</a></p>		Equipment and Specification remains same, To be procured under PAC







20.	<p><b>Category:</b> &gt; Defense and Law Enforcement and Security and Safety Equipment and Supplies &gt; Security surveillance and detection &gt; surveillance and detection equipment &gt; Video Recorder For Cctv System-IS 9000  <b>Make and Model brief Specification:</b>          Compressor: 04 CH NVR H265 2 SATA up to 16 TB and Supports up to 4K resolution 5M IP Camera 25 FPS</p>	01	12481/-	12481/-	<a href="https://mkp.gem.gov.in/video-recorder-cctv-system/4ch-nvr-h265-video-compression-1-sata-up/p-5116877-63985845836-cat.html#variant_id=5116877-63985845836">https://mkp.gem.gov.in/video-recorder-cctv-system/4ch-nvr-h265-video-compression-1-sata-up/p-5116877-63985845836-cat.html#variant_id=5116877-63985845836</a>		<p><b>Not Available at present</b></p>
21.	<p><b>Category:</b> &gt; Audio and visual presentation and composing equipment &gt; Audio presentation and composing equipment and hardware and controllers &gt; PA Mixer  <b>Make and Model brief Specification:</b>          STEREO DISTRIBUTION AMPLIFIER-2 INPUT AND 4 SEPARATE INDIVIDUALLY ADJUSTABLE OUTPUTS</p>	01	19991/-	19991/-	<a href="https://mkp.gem.gov.in/pa-mixer/stereo-distribution-amplifier-having-2-input-4-separate/p-5116877-14017351449-cat.html#variant_id=511687714017351449">https://mkp.gem.gov.in/pa-mixer/stereo-distribution-amplifier-having-2-input-4-separate/p-5116877-14017351449-cat.html#variant_id=511687714017351449</a>		<p>Equipment and Specification remains same, To be procured under PAC</p>
22.	<p><b>Category:</b> Audio and visual presentation and composing equipment &gt; phone and video conference equipment and hardware and controllers &gt; Video Conferencing Media Encoder  <b>Make and Model brief Specification:</b>          Recorder and live streaming device- Lumens VS-LC200 MP-4/H.264</p>	01	494000/-	494000/-	<a href="https://mkp.gem.gov.in/video-conferencing-media-encoder/lumens-recording-streaming-media-processor/p-5116877-65335108772-cat.html#variant_id=5116877-65335108772">https://mkp.gem.gov.in/video-conferencing-media-encoder/lumens-recording-streaming-media-processor/p-5116877-65335108772-cat.html#variant_id=5116877-65335108772</a>		<p>Equipment and Specification remains same, To be procured under PAC</p>
23.	<p><b>Category:</b> &gt; Audio and visual presentation and composing equipment &gt; VIDEO COMBIN VIDEO AUDIO PRESENT EQU HARDWARE CONTROL &gt; media control systems or wireless presentation system  <b>Make and Model brief Specification:</b>          Blackmagic: Video editing hardware HD pro capture card</p>	01	83000/-	83000/-	<a href="https://mkp.gem.gov.in/media-control-systems-wireless-presentation-system/blackmagic-design/p-5116877-55003462364-cat.html#variant_id=5116877-55003462364">https://mkp.gem.gov.in/media-control-systems-wireless-presentation-system/blackmagic-design/p-5116877-55003462364-cat.html#variant_id=5116877-55003462364</a>		<p>Equipment and Specification remains same, To be procured under PAC</p>









24.	<p><b>Category:</b> &gt; Photographic or filming or video equipment &gt; cameras &gt; DSLR/ COMPACT / HANDHELD CAMCORDER or VIDEO CAMERAS  <b>Make and Model brief Specification:</b>                  Panasonic live streaming camera AG-CX8 / AG-CX7</p>	01	148250/-	148250/-	<p><a href="https://mkp.gem.gov.in/printing-photographic-audio-visual-equipment-supplies/panasonic-handheld-camcorder-video-cameras/p-5116877-10233331489-cat.html#variant_id=5116877-10233331489">https://mkp.gem.gov.in/printing-photographic-audio-visual-equipment-supplies/panasonic-handheld-camcorder-video-cameras/p-5116877-10233331489-cat.html#variant_id=5116877-10233331489</a></p>		Dropped rotatable camera as this is having in built WiFi/ Hence new equipment is given, To be procured under PAC
25.	<p><b>Category:</b> &gt; Photographic or filming or video equipment &gt; cameras &gt; DSLR/ COMPACT / HANDHELD CAMCORDER or VIDEO CAMERAS  <b>Make and Model brief Specification:</b>                  Nikon 45 MP Still DSLR APS Format (Nikon) (NIKON D850 24-120 LENS)</p>	01	264312/-	264312/-	<p><a href="https://mkp.gem.gov.in/dslr-compact-handheld-camcorder-video-cameras/nikon-d850-24-120-lens/p-5116877-77219505736-cat.html#variant_id=5116877-77219505736">https://mkp.gem.gov.in/dslr-compact-handheld-camcorder-video-cameras/nikon-d850-24-120-lens/p-5116877-77219505736-cat.html#variant_id=5116877-77219505736</a></p>		Earlier equipment was not available, Hence alternate equipment is given, To be procured under PAC
26.	<p><b>Category:</b> Audio and visual presentation and composing equipment &gt; Projectors and Supplies &gt; Multimedia Projector (MMP)  <b>Make and Model brief Specification:</b>                  Projectors: Epson 970 XGA 3LCD Projector</p>	02	65800/-	131600/-	<p><a href="https://mkp.gem.gov.in/multimedia-projector-mmp/epson-970-xga-3lcd-projector/p-5116877-12837268736-cat.html#variant_id=5116877-12837268736">https://mkp.gem.gov.in/multimedia-projector-mmp/epson-970-xga-3lcd-projector/p-5116877-12837268736-cat.html#variant_id=5116877-12837268736</a></p>		Equipment and Specification remains same, To be procured under PAC
27.	<p><b>Category:</b> Domestic Appliances and Supplies and Consumer Electronic Products &gt; Consumer electronics &gt; Audio and visual equipment &gt; Television TV  <b>Make and Model brief Specification:</b>                  PCR room and Discussion room Sony Smart Television TV 55 Inch LED Backlit LCD (Sony) (KD-55X7500H)</p>	02	71500/-	143000/-	<p><a href="https://mkp.gem.gov.in/television-tv/sony-bravia-55-inch-4k-android-led-tv/p-5116877-93350696900-cat.html#variant_id=5116877-93350696900">https://mkp.gem.gov.in/television-tv/sony-bravia-55-inch-4k-android-led-tv/p-5116877-93350696900-cat.html#variant_id=5116877-93350696900</a></p>		Earlier equipment was not available, Hence alternate equipment is given, To be procured under PAC
28.	<p><b>Category:</b> Domestic Appliances and Supplies and Consumer Electronic Products &gt; Consumer electronics &gt; Audio and visual equipment &gt; Television TV  <b>Make and Model brief Specification:</b>                  Live Room: Sony 32" full HD TV W672G</p>	02	30530/-	61060/-	<p><a href="https://mkp.gem.gov.in/television-tv/sony-32-inch-led-tv/p-5116877-29705248068-cat.html#variant_id=5116877-29705248068">https://mkp.gem.gov.in/television-tv/sony-32-inch-led-tv/p-5116877-29705248068-cat.html#variant_id=5116877-29705248068</a></p>		Earlier equipment was not available, Hence alternate equipment is given, To be procured under PAC
29.	<p><b>Category:</b> &gt; Information Technology Broadcasting and Telecommunications &gt; Computer Equipment and Accessories &gt;</p>	02	16040/-	32080/-	<p><a href="https://mkp.gem.gov.in/liquid-crystal-display-lcd-panel-monitors/dell27monitor-e2720hs/p-">https://mkp.gem.gov.in/liquid-crystal-display-lcd-panel-monitors/dell27monitor-e2720hs/p-</a></p>		Earlier equipment was not available, Hence alternate equipment is






	Computer Displays > Liquid Crystal Display LCD Panel or Monitors <b>Make and Model brief Specification:</b> PCR Room: Dell 67.5-69.5 CM Liquid Crystal Display LCD Panel or Monitors E2720HS				5116877-85924717116-cat.html#variant_id=5116877-85924717116		given, To be procured under PAC
30.	<b>Category:</b> Information Technology Broadcasting and Telecommunications > Computer Equipment and Accessories > Computers > Electronic Lectern <b>Make and Model brief Specification:</b> Digital Podium with i5/1T/Win10 with visualizer and power backup (Vectra) (VCi51TW10V5PBC-1)	01	295000/-	295000/-	<a href="https://mkp.gem.gov.in/electronic-lectern/digital-podium-with-i5-1t-win10-with-visualiser/p-5116877-43756588813-cat.html#variant_id=5116877-43756588813">https://mkp.gem.gov.in/electronic-lectern/digital-podium-with-i5-1t-win10-with-visualiser/p-5116877-43756588813-cat.html#variant_id=5116877-43756588813</a>		Earlier equipment was not available, Hence alternate equipment is given, To be procured under PAC
31.	<b>Category:</b> > Information Technology Broadcasting and Telecommunications > Computer Equipment and Accessories > Computers > All in One PC <b>Make and Model brief Specification:</b> HP 800G5 AIO 1000 @7200 rpm GB HDD 64 2 Processor with Height Adjustable Display All in one PC	02	140000/-	280000/-	<a href="https://mkp.gem.gov.in/all-one-pc/hp-800-g5-aio-touch-i7-9700-win10p/p-5116877-37325032309-cat.html#variant_id=5116877-37325032309">https://mkp.gem.gov.in/all-one-pc/hp-800-g5-aio-touch-i7-9700-win10p/p-5116877-37325032309-cat.html#variant_id=5116877-37325032309</a>		Joystick was dropped as the compatible CC camera was not available/ Hence additional 02 systems were added for AV editors, To be procured under PAC
32.	<b>Category:</b> Information Technology Broadcasting and Telecommunications > Data Voice or Multimedia Network Equipment or Platforms and Accessories > network service equipment > Layer 2 Access Switch <b>Make and Model brief Specification:</b> 8-port network layer switch NETGEAR ProSAFE 8 Port 10/100 Network Switch with 4-Port Power over Ethernet (NETGEAR) (NETGEAR FS108P)	01	13500/-	13500/-	<a href="https://mkp.gem.gov.in/layer-2-access-switch/netgear-prosafe-8-port-10-100-network-switch/p-5116877-43044619331-cat.html#variant_id=5116877-43044619331">https://mkp.gem.gov.in/layer-2-access-switch/netgear-prosafe-8-port-10-100-network-switch/p-5116877-43044619331-cat.html#variant_id=5116877-43044619331</a>		Equipment and Specification remains same, To be procured under PAC
33.	<b>Category:</b> Audio and visual presentation and composing equipment > Projectors and Supplies > Projector Screen <b>Make and Model brief Specification:</b> Projector Screen- (akamgo) (Akamgo- (PS-4K))	02	4725/-	9450/-	<a href="https://mkp.gem.gov.in/projector-screen/projector-screen-lcd-projector-screen-lcd/p-5116877-1584514259-cat.html#variant_id=5116877-1584514259">https://mkp.gem.gov.in/projector-screen/projector-screen-lcd-projector-screen-lcd/p-5116877-1584514259-cat.html#variant_id=5116877-1584514259</a>		Equipment and Specification remains same, To be procured under PAC



34.	<p><b>Category:</b> &gt; Power Generation and Distribution Machinery and Accessories &gt; Electrical wire and cable and harness &gt; electrical cable and accessories &gt; telecommunication cable</p> <p><b>Make and Model brief Specification:</b> Snake Cable: Canare A2V2L</p>	50 mtr	1200 / meter	60000/-	<a href="https://mkp.gem.gov.in/telecommunication-cable/canare-a2v2-l-snake-cable/p-5116877-69772673407-cat.html#variant_id=5116877-69772673407">https://mkp.gem.gov.in/telecommunication-cable/canare-a2v2-l-snake-cable/p-5116877-69772673407-cat.html#variant_id=5116877-69772673407</a>		Not Available at present
35.	<p><b>Category:</b> &gt; Power Generation and Distribution Machinery and Accessories &gt; Electrical wire and cable and harness &gt; electrical cable and accessories &gt; telecommunication cable</p> <p><b>Make and Model brief Specification:</b> Audio Snake Cable (Solution) (Solution SNAKE4C)</p>	50 mtr	130 / meter	6500/-	<a href="https://mkp.gem.gov.in/telecommunication-cable/audio-snake-cable/p-5116877-9124156543-cat.html#variant_id=5116877-9124156543">https://mkp.gem.gov.in/telecommunication-cable/audio-snake-cable/p-5116877-9124156543-cat.html#variant_id=5116877-9124156543</a>		Not Available at present
36.	<p><b>Category:</b> Domestic Appliances and Supplies and Consumer Electronic Products &gt; Consumer electronics &gt; Audio Visual Equipment Accessories &gt; Speaker Stand</p> <p><b>Make and Model brief Specification:</b> Ahuja Tripod Mic Stand (BMS-101 COMBO)</p>	01	2097/-	2097/-	<a href="https://mkp.gem.gov.in/speaker-stand/ahuja-tripod-mic-stand/p-5116877-1137940387-cat.html#variant_id=51168">https://mkp.gem.gov.in/speaker-stand/ahuja-tripod-mic-stand/p-5116877-1137940387-cat.html#variant_id=51168</a>		Not Available at present
37.	<p><b>Category:</b> &gt; Power Generation and Distribution Machinery and Accessories &gt; Electrical wire and cable and harness &gt; electrical cable and accessories &gt; telecommunication cable</p> <p><b>Make and Model brief Specification:</b> HD-SDI, HDMI, CAT6 Cables and Connectors</p>	05	HDMI (30 Mts) CAT6 34/1 meter	22800/-	<p>HDMI Cable</p> <a href="https://mkp.gem.gov.in/telecommunication-cable/hdmi-cable-30meter-hdmi-cable-30meter-hdmi-cable/p-5116877-23365960975-cat.html#variant_id=5116877-23365960975">https://mkp.gem.gov.in/telecommunication-cable/hdmi-cable-30meter-hdmi-cable-30meter-hdmi-cable/p-5116877-23365960975-cat.html#variant_id=5116877-23365960975</a>		Equipment and Specification remains same.
38.	<p><b>Category:</b> Audio and visual presentation and composing equipment &gt; VIDEO COMBIN VIDEO AUDIO PRESENT EQU HARDWARE CONTROL &gt; Visual Presenters</p> <p><b>Make and Model Brief Specification:</b> Slide Changer: Logitech Laser pointer</p>	02	2349/-	4698/-	<a href="https://mkp.gem.gov.in/visual-presenters/laser-pointer-slide-changer/p-5116877-10193518834-cat.html#variant_id=5116877-10193518834">https://mkp.gem.gov.in/visual-presenters/laser-pointer-slide-changer/p-5116877-10193518834-cat.html#variant_id=5116877-10193518834</a>		Equipment and Specification remains same, To be procured under PAC
39.	<p><b>Category:</b> &gt; Information Technology Broadcasting and Telecommunications &gt; Components for information technology or broadcasting or</p>	05	7798/-	38990/-	<a href="https://mkp.gem.gov.in/portable-hard-disk/sony-2-tb-external-hard-disk-usb-3/p-5116877-69490577397">https://mkp.gem.gov.in/portable-hard-disk/sony-2-tb-external-hard-disk-usb-3/p-5116877-69490577397</a>		Equipment and Specification remains same, To be procured under PAC



	telecommunications > media storage devices > portable hard disk <b>Make and Model brief Specification:</b> External hard disk-2 TB, Sony				<a href="#">cat.html#variant_id=5116877-69490577397</a>		
40.	<b>Category:</b> Office Equipment and Accessories and Supplies > Office machines and their supplies and accessories > printer and facsimile and photocopier supplies > OEM Ribbon Cartridge <b>Make and Model brief Specification:</b> HP 1005 PRINTER HP RADIANT- LaserJet with multi Function printer	01	22500/-	22500/-	<a href="https://mkp.gem.gov.in/oem-ribbon-cartridge/hp-1005-printer-hp-1005-p-5116877-51836120840-cat.html#variant_id=5116877-51836120840">https://mkp.gem.gov.in/oem-ribbon-cartridge/hp-1005-printer-hp-1005-p-5116877-51836120840-cat.html#variant_id=5116877-51836120840</a>		Equipment and Specification remains same, To be procured under PAC
41.	<b>Category:</b> Information Technology Broadcasting and Telecommunications > Components for information technology or broadcasting or telecommunications > removable storage media > pen drive or flash drive <b>Make and Model brief Specification:</b> SanDisk 32 GB USB 3.1 Drive (SanDisk) (SDDDC2-032G-)	06	595/-	3570/-	<a href="https://mkp.gem.gov.in/pen-drive-flash-drive/32gb-ultra-dual-drive-usb-type-c-usb/p-5116877-95348130964-cat.html#variant_id=5116877-95348130964">https://mkp.gem.gov.in/pen-drive-flash-drive/32gb-ultra-dual-drive-usb-type-c-usb/p-5116877-95348130964-cat.html#variant_id=5116877-95348130964</a>		New Equipment added to the list. To be procured under PAC
42.	<b>Category:</b> Components for information technology or broadcasting or telecommunications > media storage devices > Memory Card <b>Make and Model brief Specification:</b> Sandisk 128 GB SD Memory Card (SanDisk) (SDSQUAR-128G-GN6MA)	06	1795/-	10770/-	<a href="https://mkp.gem.gov.in/memory-card/sandisk-128-gb-sd-memory-card/p-5116877-58062932476-cat.html#variant_id=5116877-58062932476">https://mkp.gem.gov.in/memory-card/sandisk-128-gb-sd-memory-card/p-5116877-58062932476-cat.html#variant_id=5116877-58062932476</a>		Equipment and Specification remains same, To be procured under PAC
				<b>Rs. 50,80,616.00</b>			
<b>Total estimated Cost in words</b>				Rupees Fifty Lakh Eighty Thousand Six Hundred Sixteen only			

- Note: 1. All the equipment's are to be procured under Proprietary Article Certificate (PAC)  
2. The price is inclusive of all taxes and delivery charges  
3. For all the Equipment's installation and training class not required.



**Noted and Approved**



### B6.4.3 Equipments and Learning Resources for Departments



Following are the equipments approved in 1<sup>st</sup> BoG after discussion with Head of Departments. As per the new procurement guidelines after obtaining approval in 10<sup>th</sup> BoG Sub committee meeting the procurement has been initiated in GeM portal. The details of the equipments are as follows.

#### Department of Environmental Engineering


Sl.No	Device Type with make & Spec's	Qty.	Estimated Unit Price in Rs.	Estimated Total Cost in Rs.	GeM Link	Image	Remarks
1.	Category: DIGITAL CONDUCTIVITY METER Make and Model brief Specification: (Labtronics Conductivity Meters) (LT-51) Conductivity, its ranges and resolutions Measurable Conductivity range Auto ranging Maximum of measuring Range for conductivity (mS/cm) 200.0 - 4000.0 or higher Number of Ranges (Nos.) 4 or higher Resolution (µS/cm) 0.0 - 0.01 or lower Temperature compensation and power Type of Temperature Compensation Automatic	02	13,000.00	26,000.00	<a href="https://mkp.gem.gov.in/digital-conductivity-meter/microprocessor-cond-tds-salinity-temp-meter/p-5116877-10684641422-cat.html#variant_id=5116877-10684641422">https://mkp.gem.gov.in/digital-conductivity-meter/microprocessor-cond-tds-salinity-temp-meter/p-5116877-10684641422-cat.html#variant_id=5116877-10684641422</a>		Equipment and Specification remains same  To be procured under PAC
2.	Category: BOD INCUBATOR / COOLING INCUBATOR Make and Model brief Specification: (REMI) (CI-6 Plus) DESIGN Features available in BOD Incubator Air circulation fan, Removable tray, Temperature sensor, Door hinges, Door handle with lock & key, Safety thermostat, Refrigeration system, Power cord, Solid door, Heater, Temperature High/Low Safety alarm Optional Features available in BOD Incubator Digital event timer, illumination with 3 florescent lights, Digital cyclic timer 24 x 7 No of Trays 2 Air Circulation Axial fan POWER Temperature Range 5°C to 60°C Temperature Accuracy ± 0.5°C Temperature Uniformity ± 1°C	02	1,54,000.00	3,08,000.00	<a href="https://mkp.gem.gov.in/bod-incubator/bod-incubator-cooling-incubator/p-5116877-49686954130-cat.html#variant_id=5116877-49686954130">https://mkp.gem.gov.in/bod-incubator/bod-incubator-cooling-incubator/p-5116877-49686954130-cat.html#variant_id=5116877-49686954130</a>		Equipment and Specification remains same  To be procured under PAC







3.	<p>Category: COD DIGESTER Make and Model brief Specification: (HACH) (DRB 200) Technical Specifications Capacity for Sample Quantity 2.0 - 20.0 or higher Timer 120.0 Controller Microprocessor based PID controller, Connectivity interface NA. Display with or higher Range 0 to 500 ppm (without dilution) Capacity for Sample Holder 15, 20, 24, 25 or higher, Minimum Temperature Range -10, -5, 0, 5, 10 or lower Accuracy (+/-) 2 Maximum Temperature Range 160, 180, 200, 250, 450 or higher General Properties Number of Cavities to accommodate Sample Holder 15, 20, 24, 25 or higher</p>	04	1,00,000.00	4,00,000.00	<a href="https://mkp.gem.gov.in/chemical-oxygen-demand-cod-digesting-unit/cod-digester-digital-reactor-block/p-5116877-10784294549-cat.html#variant_id=5116877-10784294549">https://mkp.gem.gov.in/chemical-oxygen-demand-cod-digesting-unit/cod-digester-digital-reactor-block/p-5116877-10784294549-cat.html#variant_id=5116877-10784294549</a>		<p>Equipme nt and Specifica tion remains same</p> <p>To be procured under PAC</p>
4.	<p>Category: MAGNETIC STIRRERS Make and Model brief Specification: (DROLAX- 12-MLH) CONFIGURATION AND FEATURES Number of stirring Positions 1, Calibration Type of Drive Motor Brushless Motor DC Display Option/ Output Read out Option Digital Magnetic stirrer is: with a hot plate or some other means for heating the liquid Magnetic stirrer Type variable speed Controller type Microprocessor Controlled IP rating or Ingress protection rating 40.0 - 68.0 or higher Programmable Yes Speed Control Accuracy of set speed (+/-) (RPM) 0.0- 5.0 or lower, Maximum Stirring capacity per position 3000.0, Top plate Material Stainless steel. User Interface Analog Front Panel</p>	04	19,125.00	76,500.00	<a href="https://mkp.gem.gov.in/magnetic-stirrers/magnetic-stirrer/p-5116877-70032157281-cat.html#variant_id=5116877-70032157281">https://mkp.gem.gov.in/magnetic-stirrers/magnetic-stirrer/p-5116877-70032157281-cat.html#variant_id=5116877-70032157281</a>		<p>Equipme nt and Specifica tion remains same</p> <p>To be procured under PAC</p>






5.	Category: AUTOCLAVE Make and Model brief Specification: (LABLINE) (LSC-10) Configuration Sterilizer chamber capacity in L (usable volume) 20 - 25 liter, Type of cycle processes available B- process, N- process, Dri-Tec drying - process Sterilizer Chamber Type Rectangular Chamber pre-heating facility: Equipped with electrically heated jacket for preheating on standby mode: Yes, Type of Sterilizer. Chamber Door NA (for removable cassette chamber. Number of Trays in steriliser chamber 2, 3, 4, 5 or higher. Steriliser Loading Type: Top Loading	01	18,499.00	18,499.00	<a href="https://mkp.gem.gov.in/table-top-autoclave/autoclave-vertical/p-5116877-48726478243-cat.html#variant_id=5116877-48726478243">https://mkp.gem.gov.in/table-top-autoclave/autoclave-vertical/p-5116877-48726478243-cat.html#variant_id=5116877-48726478243</a>		Equipme nt and Specifica tion remains same  To be procured under PAC
Total Estimated Cost				8,28,999.00			
Total Estimated Cost in Words:				Rupees Eight Lakh Twenty Eight Thousand Nine Hundred Ninety Nine only			

- Note: 1. All the equipment's are to be procured under Proprietary Article Certificate (PAC)  
2. The price is inclusive of all taxes and delivery charges  
3. For all the Equipment's installation and training class not required.



### Department of Electronics and Instrumentation

Sl. No	Device Type with make & Spec's	Qty.	Estimated Unit Price in Rs.	Estimated Total Cost in Rs.	GeM Link	Image	Remarks
1.	Category: <b>Raspberry Pi 1 (GB) Random Access Memory (RAM) SD Ram (Raspberry Pi) (4B 8GB Ram)</b> Make and Model brief Specification: SD RAM, 1GB internal memory, clock speed 1.4 GHz.	10	10,295.00	1,02,950.00	<a href="https://mkp.gem.gov.in/random-access-memory/raspberry-pi-foundation-raspberry-pi-4b-8gb-ram/p-5116877-35769167202-cat.html#variant_id=5116877-35769167202">https://mkp.gem.gov.in/random-access-memory/raspberry-pi-foundation-raspberry-pi-4b-8gb-ram/p-5116877-35769167202-cat.html#variant_id=5116877-35769167202</a>		Equipment remains same but the specifications are slightly modified.  To be procured under PAC
2.	Category: <b>ARDUINO UNO Module For Education (VINYT ICS) (VIN-ARD)</b> Make and Model brief Specification: ATmega328, 5V Microchip AVR (8-bit)	10	1,999.00	19,990.00	<a href="https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/arduino-uno-module-education/p-5116877-85244354764-cat.html#variant_id=5116877-85244354764">https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/arduino-uno-module-education/p-5116877-85244354764-cat.html#variant_id=5116877-85244354764</a>		Equipment and specifications remain the same. To be procured under PAC



	SRAM. Flash, EEPROM				<a href="#">d=5116877-85244354764</a>		
3.	<p>Category: <b>16 in 1 Sensor Modules Kit</b> Make and Model brief Specification: <b>DIY 16 in 1 Sensor Modules Kit for Arduino and Raspberry Pi (PSW) (Edu-Tech)</b></p> <ul style="list-style-type: none"> <li>• Ultrasonic Sensor</li> <li>• PIR Sensor,</li> <li>• Infrared Sensor</li> <li>• Touch Sensor</li> <li>• Sound Sensor</li> <li>• Metal Touch Sensor</li> <li>• LDR</li> <li>• Color Sensor</li> <li>• Soil Moisture Sensor</li> <li>• Temperature &amp; Humidity,</li> <li>• Laser Sensor</li> <li>• Smoke/ Gas sensor,</li> <li>• Rain Drop Sensor,</li> <li>• Accelerometer</li> <li>• 3 Axis Magnetometer</li> <li>• Sound Playback Module</li> </ul>	10	10,989.00	1,09,890.00	<a href="https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/diy-16-1-sensor-modules-kit-arduino-raspberry/p-5116877-27749002268-cat.html#variant_id=5116877-27749002268">https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/diy-16-1-sensor-modules-kit-arduino-raspberry/p-5116877-27749002268-cat.html#variant_id=5116877-27749002268</a>		<p>Equipment and specifications remain the same.</p> <p>To be procured under PAC</p>
4.	<p>Category: <b>DC Regulated Power Supply</b> Make and Model brief Specification: <b>SCIENTECH TECHNOLOGY (SCIENTECH AD-01)</b> <b>220+/- 10%, 50 Hz, Single Phase AC, Output Voltage: 0 to 32V, 12V to 15V, 4.50 to 5.50V.</b></p>	10	12,425.00	124250.00	<a href="https://mkp.gem.gov.in/dc-regulated-power-supply/dc-regulated-power-supply/p-5116877-59785608969-cat.html#variant_id=5116877-59785608969">https://mkp.gem.gov.in/dc-regulated-power-supply/dc-regulated-power-supply/p-5116877-59785608969-cat.html#variant_id=5116877-59785608969</a>		<p>Equipment remains same but the specifications are slightly modified.</p> <p>To be procured under PAC</p>
5.	<p>Category: Digital Storage Oscilloscope (DSO) Make and Model brief Specification: Digital SO - 30MHz Bandwidth,</p>	5	24,700.00	1,23,500.00	<a href="https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/digital-storage-oscilloscope-30-mhz/p-5116877-">https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/digital-storage-oscilloscope-30-mhz/p-5116877-</a>		<p>CRO (proposed earlier) changed to DSO having advanced features with modified</p>







	220 V AC,				<a href="https://mkp.gem.gov.in/information-technology-broadcasting-telecommunications/2-mhz-function-generator-trainer/p-5116877-93486074864-cat.html">67438583885-cat.html</a>		specifications. To be procured under PAC.
6.	Category: Function Generator Make and Model brief Specification:  <b>2 MHZ Function Generator Trainer (VINYTICS) (VIN-2FGN)</b> On board digital meter	10	10,800.00	1,08,000.00	<a href="https://mkp.gem.gov.in/information-technology-broadcasting-telecommunications/2-mhz-function-generator-trainer/p-5116877-93486074864-cat.html">https://mkp.gem.gov.in/information-technology-broadcasting-telecommunications/2-mhz-function-generator-trainer/p-5116877-93486074864-cat.html</a>		Equipment remains same but the specifications are slightly modified.  To be procured under PAC.
7.	Category: Digital IC Trainer Kits Make and Model brief Specification: <b>Digital Ic Trainer Kit VINYTICS (DICT)</b> 16 Pin Zip Socket – 4 no's, 28 Pin Zip Socket, Logic input and Output : 10 no's, BCD to Decimal- 1 no, Clock Pulses 1KHz to 1 MHz & 4mm Connectors	10	19,700.00	1,97,000.00	<a href="https://mkp.gem.gov.in/two-port-network-trainer-kit-educational-purpose/digital-ic-trainer-kit-vinytics/p-5116877-83043045700-cat.html">https://mkp.gem.gov.in/two-port-network-trainer-kit-educational-purpose/digital-ic-trainer-kit-vinytics/p-5116877-83043045700-cat.html</a>		Equipment and specifications remain the same.  To be procured under PAC.
8.	Category: ECG Simulator Make and Model brief Specification: The ECG simulator generating single lead (I) (or 12 lead) ECG waveform, Provision to vary the heart rate, oscilloscope output for measuring the heart rate parameters. Input power supply: 230V AC Supply, 50Hz, Heart rate generator: Variable, 50BPM to 130BPM.	01	-----	-----	NOT AVAILABLE IN GeM PORTALNOW (Which existed earlier)		
Total Estimated Cost				7,95,840.00			

- Note: 1. All the equipment's are to be procured under Proprietary Article Certificate (PAC)  
2. The price is inclusive of all taxes and delivery charges  
3. For all the Equipment's installation and training class not required.




**Department of Electronics and Communication Engineering**

Sl. No	Equipment	Qty	Estimated unit price	Estimated Amount	Gem Link	Image of equipment	Remarks
1a)	Communication trainer kits Category: Two-port-network-trainer-kit-educational-purpose Make model and brief specification: Digital Communication Trainer Kit (VINYTICS) (DCT) Availability of DC Voltmeter and ammeter on board with ICs.	5	22,499.00	1,12,495.00	<a href="https://mkp.gem.gov.in/two-port-network-trainer-kit-educational-purpose/digital-communication-trainer-kit/p-5116877-80067477722-cat.html#variant_id=5116877-80067477722">https://mkp.gem.gov.in/two-port-network-trainer-kit-educational-purpose/digital-communication-trainer-kit/p-5116877-80067477722-cat.html#variant_id=5116877-80067477722</a>		Equipments and specifications remains same  To be purchased under PAC.
1 b)	FDM trainer kits Category: network-theorem-kit-educational-purpose Make model and brief specification: FDM Frequency Division Multiplexing & Demultiplexing (SINCOM) (SA-250)	3	15,000.00	45,000.00	<a href="https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/fdm-frequency-division-multiplexing-demultiplexing/p-5116877-35466057263-cat.html#variant_id=5116877-35466057263">https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/fdm-frequency-division-multiplexing-demultiplexing/p-5116877-35466057263-cat.html#variant_id=5116877-35466057263</a>		Equipments and specifications remains same  To be purchased under PAC.
2	Function generator 2 to 25MHz Category: function-generator Make model and brief specification: Siglent 10 mHz to 25 MHz Frequency 2 channel function generator (Siglent) (Siglent Model: SDG1032X)	5	30,900.00	1,54,500.00	<a href="https://mkp.gem.gov.in/function-generator/30mhz-2-channel-150msa-s-arbitrary-function-waveform/p-5116877-43779873339-cat.html#variant_id=5116877-43779873339">https://mkp.gem.gov.in/function-generator/30mhz-2-channel-150msa-s-arbitrary-function-waveform/p-5116877-43779873339-cat.html#variant_id=5116877-43779873339</a>		Equipments and specifications remains same  To be purchased under PAC.
3	Microwave setup Category: Network-theorem-kit-educational-purpose Make model and	1	82,500.00	82,500.00	<a href="https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/laser-experimental">https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/laser-experimental</a>		Equipments and specifications remains same  To be



	brief specification: <b>Laser Experimental Setup with He-Ne Laser (Complete Setup) (AARSON) (RSP-1026)</b>				<a href="https://mkp.gem.gov.in/digital-multimeter/fluke-115-digital-multi-meter/p-5116877-3784612525-cat.html#variant_id=5116877-3784612525">setup-with-he-ne-laser-complete/p-5116877-3784612525-cat.html#variant_id=5116877-3784612525</a>		purchased under PAC.
4	Multi meter device Category: Digital-multi meter <b>Make model and brief specification: Digital Multimeter Hand Held 50 KHz Digital Multi meter digital multimeter) (fluke 115)</b>	10	430.00	4300.00	<a href="https://mkp.gem.gov.in/digital-multimeter/fluke-115-digital-multi-meter/p-5116877-96056077263-cat.html#variant_id=5116877-96056077263">https://mkp.gem.gov.in/digital-multimeter/fluke-115-digital-multi-meter/p-5116877-96056077263-cat.html#variant_id=5116877-96056077263</a>		Equipments and specifications remains same  To be purchased under PAC.
5	Optical fiber kit Category: Network-theorem-kit-educational-purpose Make model and brief specification: Optical fiber communication Trainer Kit (VINYTICS) (DCT) Availability of DC Voltmeter and ammeter on board with ICs	1	22,999.00	22,999.00	<a href="https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/fiber-optic-communication-trainer-kit/p-5116877-27848456786-cat.html#variant_id=5116877-27848456786">https://mkp.gem.gov.in/network-theorem-kit-educational-purpose/fiber-optic-communication-trainer-kit/p-5116877-27848456786-cat.html#variant_id=5116877-27848456786</a>		Equipments and specifications remains same  To be purchased under PAC.
6	Power supply Category: DC-power-supply Make model and brief specification: Scientific with 2 year warranty (Scientific PSD4032B) Dual channel	5	12,425.00	62,125.00	<a href="https://mkp.gem.gov.in/dc-power-supply/dual-channel-dc-power-supply/p-5116877-53900064531-cat.html#variant_id=5116877-53900064531">https://mkp.gem.gov.in/dc-power-supply/dual-channel-dc-power-supply/p-5116877-53900064531-cat.html#variant_id=5116877-53900064531</a>		Equipments and specifications remains same  To be purchased under PAC.
7	IOT kits Category: Microcontroller-educational-kit Make model and brief specification: VINYTICS LED interfacing and Relay interfacing 4 Onboard Switches	15	20,400.00	3,15,000.00	<a href="https://mkp.gem.gov.in/microcontroller-educational-kit/vinytics-iot-trainer-kit/p-5116877-25009117840-cat.html">https://mkp.gem.gov.in/microcontroller-educational-kit/vinytics-iot-trainer-kit/p-5116877-25009117840-cat.html</a>		Equipments and specifications remains same  To be purchased under PAC.




	Microcontroller Educational Kit (VINYTICS) (VIN-IOT)						
8	Spectrum Analyzer (3GHZ) Category: spectrum-analyzers-vector-network-analyzers Make model and brief specification: RIGOL 9 kHz to 3 GHz Spectrum analyzers (RIGOL) (Rigol DSA832E)	1	2,55,000.00	2,55,000.00	<a href="https://mkp.gem.gov.in/spectrum-analyzers-vector-network-analyzers/dsa832e-9-khz-3-2-ghz-spectrum-analyzer/p-5116877-53915794665-cat.html#variant_id=5116877-53915794665">https://mkp.gem.gov.in/spectrum-analyzers-vector-network-analyzers/dsa832e-9-khz-3-2-ghz-spectrum-analyzer/p-5116877-53915794665-cat.html#variant_id=5116877-53915794665</a>		Equipments and specifications remains same  To be purchased under PAC.
<b>Grand Total</b>				10,69,794.00 (Rupees Ten Lakh Sixty Nine Thousand Seven Hundred Ninety Four only)			

- Note: 1. All the equipment's are to be procured under Proprietary Article Certificate (PAC)  
2. The price is inclusive of all taxes and delivery charges  
3. For all the Equipment's installation and training class not required.





**Noted and Approved**

**B6.4.4 Furniture**

Following are the list of furniture proposed to be procured for TEQIP office



Sl. No	Item type with make & Spec's	Qty.	Estimated Unit Price in Rs.	Estimated Total Cost in Rs.	GeM Link	Image	Remarks
01	<b>Category:</b> > Furniture and Furnishings > Commercial and Industrial furniture > Office Furniture > Revolving Chair <b>Make and Model brief Specification:</b> Featherlite REVOLVING CHAIR With ARM 360° swivel, posture control with multilocking position synchronized mechanism (Featherlite) (OC-1)	09 Coordinator-01 Office-01 PCR-02	23500/-	94000/-	<a href="https://mkp.gem.gov.in/revolving-chair/oc-1-fc-optima/p-5116877-13774920735-cat.html">https://mkp.gem.gov.in/revolving-chair/oc-1-fc-optima/p-5116877-13774920735-cat.html</a>		Item and Specification remains same. To be procured under PAC (04 numbers for JSSMMRC and 05 Numbers for TEQIP III office)




02	<p><b>Category:</b> &gt; Furniture and Furnishings &gt; Commercial and Industrial furniture &gt; Office Furniture &gt; Revolving Chair  <b>Make and Model brief Specification:</b> Featherlite REVOLVING CHAIR With ARM push back (ASTRO HB)</p>	10 AV Editors-04 Meeting room-06	9348/-	93480/-	<a href="https://mkp.gem.gov.in/revolving-chair/astro-high-back-featherlite/p-5116877-16687790129-cat.html#variant_id=5116877-16687790129">https://mkp.gem.gov.in/revolving-chair/astro-high-back-featherlite/p-5116877-16687790129-cat.html#variant_id=5116877-16687790129</a>		Item and Specification remains same, To be procured under PAC
03	<p><b>Category:</b> Furniture and Furnishings &gt; Commercial and Industrial furniture &gt; Office Furniture &gt; Counter Chair  <b>Make and Model brief Specification:</b> Counter Chair - 822603</p>	04 Studio chair-4	4000/-	16000/-	<a href="https://mkp.gem.gov.in/counter-chair-bar-pub/counter-chair-bar-pub-822603/p-5116877-87266076796-cat.html#variant_id=5116877-87266076796">https://mkp.gem.gov.in/counter-chair-bar-pub/counter-chair-bar-pub-822603/p-5116877-87266076796-cat.html#variant_id=5116877-87266076796</a>		Item and Specification remains same, To be procured under PAC
04	<p><b>Category:</b> &gt; Furniture and Furnishings &gt; Commercial and Industrial furniture &gt; Office Furniture &gt; Sofa Set (Steel Tube)  <b>Make and Model brief Specification:</b> Featherlite TWO SEATER TUBULAR STEEL SOFA SET made of SS 304 Round pipe Diameter 25 Mm x 1.6 Mm Thick Chrome Plated</p>	01 Unit- 2 seater sofa	24310/-	24310/-	<a href="https://mkp.gem.gov.in/sofa-set-steel-tube/s-900-2-seater/p-5116877-97308509293-cat.html#variant_id=5116877-97308509293">https://mkp.gem.gov.in/sofa-set-steel-tube/s-900-2-seater/p-5116877-97308509293-cat.html#variant_id=5116877-97308509293</a>		Item and Specification remains same, To be procured under PAC
05	<p><b>Category:</b> &gt; Furniture and Furnishings &gt; Commercial and Industrial furniture &gt; Office Furniture &gt; Sofa Set (Steel Tube)</p>	02 Units- 1 seater sofa	15558/-	31116/-	<a href="https://mkp.gem.gov.in/sofa-set-steel-tube/s-900-1s/p-5116877-72450397715-cat.html#variant_id=5116877-72450397715">https://mkp.gem.gov.in/sofa-set-steel-tube/s-900-1s/p-5116877-72450397715-cat.html#variant_id=5116877-72450397715</a>		Item and Specification remains same, To be procured under PAC






	<p><b>Make and Model brief Specification:</b> Featherlite Single Seater TUBULAR STEEL SOFA SET made of SS 304 Round pipe Diameter 25 Mm x 1.6 Mm Thick Chrome Plated</p>				<p><a href="#">7-72450397715</a></p>		
06	<p><b>Category:</b> Furniture and Furnishings &gt; Commercial and Industrial furniture &gt; Office Furniture &gt; Chairs-Office-IS 3499 <b>Make and Model brief Specification:</b> Featherlite OFFICE / VISITOR CHAIRS with Seat D X W X H 450 mm 470 mm 430 Seat made of padded with polyurethane foam and Backrest made of Mesh with support of injection moulded polypropylene (Featherlite) (FE ATHERLITE FORUM VISITOR CHAIR)</p>	05 Office and reception usage	4896/-	24480/-	<p><a href="https://mkp.gem.gov.in/chairs-office-3499/forum-vafxd-arms-cpsledge-base/p-5116877-45144478609-cat.html">https://mkp.gem.gov.in/chairs-office-3499/forum-vafxd-arms-cpsledge-base/p-5116877-45144478609-cat.html</a></p>		<p>Item and Specification remains same, To be procured under PAC</p>
07	<p><b>Category:</b> &gt; Furniture and Furnishings &gt; Commercial and Industrial furniture &gt; Office Furniture &gt; Almirah Steel-IS:3312 Make and Model brief Specification: Osiyas steel</p>	05 Unit- 4 shelves	14400/-	72000.00	<p><a href="https://mkp.gem.gov.in/almirah-steel-3312/almirah-steel/p-5116877-32719866674-cat.html#variant_id=5116877-32719866674">https://mkp.gem.gov.in/almirah-steel-3312/almirah-steel/p-5116877-32719866674-cat.html#variant_id=5116877-32719866674</a></p>		<p>Item and Specification remains same, To be procured under PAC Can be purchased either thorough compare and purchase or through bidding</p>



	almirah depth in 486.0, 505.0 sheet thickness of door 1.0 mm and number of hinges with each door- 3 nos width in 900.0 mm						
08	<b>Category:</b> > Distribution and Conditioning Systems and Equipment and Components > Heating and ventilation and air circulation > Air Circulation Parts and Accessories > pedestal fan - as per IS 1169 <b>Make and Model brief Specification:</b> Usha Dominaire Pedestal Fan 600MM (Usha international Limited) (Usha Dominaire Pedestal Fan)	03	7175/-	21525/-	<a href="https://mkp.gem.gov.in/pedestal-fan/usha-dominaire-pedestal-fan-600mm/p-5116877-23388397159-cat.html#variant_id=5116877-23388397159">https://mkp.gem.gov.in/pedestal-fan/usha-dominaire-pedestal-fan-600mm/p-5116877-23388397159-cat.html#variant_id=5116877-23388397159</a>		New Item added to the list. To be procured under PAC
				<b>3,39,109/-</b>			
<b>Total estimated cost in words:</b>				Rupees Three Lakh Thirty Nine Thousand One Hundred Nine only			

**Noted and Approved**




**B6.4.5 Desktop Computers and other equipments for JSS MMRC**

Sl. No	Item type with make & Spec's	Qty.	Estimated Unit Price in Rs.	Estimated Total Cost in Rs.	GeM Link	Image	Remarks
1	Desktop computers Dell (Dell OptiPlex 5080 MT) Dell Intel Core i5 10500 8 GB/ 1000 GB HDD/ Windows 10 Home Golden parameters: 512SSD 10th generation processor, IntelQ470	36	63,725.00	22,94,100.00	<a href="https://mkp.gem.gov.in/desktop-computers/dell-optiplex-5080-mt/p-5116877-31627167411-cat.html">https://mkp.gem.gov.in/desktop-computers/dell-optiplex-5080-mt/p-5116877-31627167411-cat.html</a>		27 computers are to be ordered in first stage through GeM portal using National Competitive bidding. Depending on the availability of the fund, more computers can be ordered with the same vendor or other vendors




	chapest 23.8 inch Monitor, 1000 GB HDD						using compare and purchase method or add on purchase method. However maximum number of computers approved is 36.
				<b>1,68,797.00</b>			
<b>Total estimated cost in words: Rupees One Lakh Sixty Eight Thousand Seven Hundred Ninety Seven only</b>							

During the discussion under any other subject, the members approved the following new equipments for JSSMMRC:

Sl. No	Item type with make and Specifications	Qty .	Estimate d Unit Price in Rs.	Estimated Total Cost in Rs.	GeM Link	Image	Remarks
1.	<b>Category:</b> > Information Technology Broadcasting and Telecommunications > Computer Equipment and Accessories > Computers > digital teaching device <b>Make and Model brief Specification:</b> SmartED - Classroom Redefined - Smart Classroom SolutionVirtulive- SCD 02G	02	329999 /-	659998/-	<a href="https://mkp.gem.gov.in/digital-teaching-device/smartered-classroom-redefined-smart-classroom-solution/p-5116877-52799546833-cat.html#variant_id=5116877-52799546833">https://mkp.gem.gov.in/digital-teaching-device/smartered-classroom-redefined-smart-classroom-solution/p-5116877-52799546833-cat.html#variant_id=5116877-52799546833</a>		New Equipment added to the list. To be procured under PAC
2.	<b>Category:</b> > Photographic or filming or video equipment > Camera accessories > Mini Extension Pole Cum Tripod Cum Shooting Grip (Accessories for Action Cameras) <b>Make and Model brief Specification:</b> TRIPOD (Sony) (DIGITEK)	02	2350/-	4700/-	<a href="https://mkp.gem.gov.in/mini-extension-pole-cum-tripod-cum-shooting-grip/tripod/p-5116877-61918071673-cat.html#variant_id=5116877-61918071673">https://mkp.gem.gov.in/mini-extension-pole-cum-tripod-cum-shooting-grip/tripod/p-5116877-61918071673-cat.html#variant_id=5116877-61918071673</a>		New Equipment added to the list. To be procured under PAC
3.	<b>Category:</b> Components for information technology or broadcasting or telecommunications > media storage devices > portable hard disk <b>Make and Model brief Specification:</b> SEAGATE 2 TB Wired Portable Hard Disk (SEAGATE) (2TB)	03	7919/-	23757/-	<a href="https://mkp.gem.gov.in/portable-hard-disk/seagate-external-hard-disk-2tb/p-5116877-43257475356-cat.html#variant_id=5116877-43257475356">https://mkp.gem.gov.in/portable-hard-disk/seagate-external-hard-disk-2tb/p-5116877-43257475356-cat.html#variant_id=5116877-43257475356</a>		New Equipment added to the list. To be procured under PAC



4.	<b>Category:</b> Domestic Appliances and Supplies and Consumer Electronic Products > Consumer electronics > Audio and visual equipment > Television TV <b>Make and Model brief Specification:</b> SAMSUNG Smart Television TV 75 Inch LED Backlit LCD SAMSUNGR (1m 89cm (75") TU8000 4K Smart Crystal UHD TV)	01	185000 /-	185000/-	<a href="https://mkp.gem.gov.in/television-tv/samsung-uhd-tv/p-5116877-24863772643-cat.html#variant_id=5116877-24863772643">https://mkp.gem.gov.in/television-tv/samsung-uhd-tv/p-5116877-24863772643-cat.html#variant_id=5116877-24863772643</a>		New Equipment added to the list. To be procured under PAC
				<b>873455/-</b>			
<b>Estimated Total Amount: Rupees Eight Lakh Seventy Three Thousand Four Hundred Fifty Five only</b>							

**Noted and Approved**

**B6.4.6 Equipments and Learning Resources for Innovation lab**

Following are the equipments proposed by various departments for the proposed Innovation Laboratory. The details of the equipments are as follows.

Sl No	Equipment	GEM Product ID	Quantity	Price Per Unit	Amount in Rs
<b>Department of Mechanical and Industrial Production</b>					
1	3D Printer FDM-300 based Professional with Accessories and UPS	5116877-90867464598	1	295000.00	295000.00
2	SENSOR TRAINER KIT (VINYTICS) (TT-7)	5116877-85342228709	1	24990.00	24990.00
3	Hand Tool Kit	5116877-87092105770	2	3164.50	6329.00
4	Tool Kit (PDR Electronic Welding (Soldering) Tool Kit)	5116877-53491326081	1	3127.00	3127.00
5	Fuse Wire	5116877-34669622758	1	1238.90	1238.90
6	Screw Driver Kit	5116877-90073338312	1	6000.00	6000.00
7	Welding Kit	5116877-10395506516	1	12494.00	12494.00
<b>Sub Total 1</b>					<b>349178.00</b>
<b>Department of Electrical and Electronics Engineering</b>					
8	Digital multi meter 300kHz - Motwane M42	5116877-35380202746	3	6500.00	19500.00
9	Digital multi meter 100kHz - RISH Multi 18S IR	5116877-68277823197	3	8500.00	25500.00
10	Digital and Analog bread board trainer kit	5116877-34227408627	5	12000.00	60000.00
11	60 mega Hertz 2 channels Analog Oscilloscope (Mars) (GME 3060)	5116877-4861031143	2	84500.00	169000.00
12	30 mega Hertz 2 channels Analog Oscilloscope (Mars) (GME 3030)	5116877-11123291484	2	37980.00	75960.00
13	Signal Generator GENERATOR (APLAB)	5116877-28180186687	5	14400.00	72000.00



	(APLAB MSG3M)				
14	Power supply 0-10v,15,30v.	5116877-91576147867	5	12460.00	62300.00
15	Voltmeter (Mars & ME 480A)	5116877-34455601854	5	1798.00	8990.00
16	Ammeters (MC - 0-5 A))	5116877-60795538783	5	640.00	3250.00
17	Soldering gun	5116877-81605120490	2	525.00	1050.00
18	STEM Arduino Programming, Design And Prototyping Tinkering Kit Powered by Virtual Innovation Lab. (Edgefx Technologies) (EFX-STEM-KIT-ARD)	5116877-97410872165	3	3303.00	9909.00
19	Voltage Sensor for Arduino and Raspberry (VINYTICS) (VIN-VSEN)	5116877-23938444096	3	1499.00	4497.00
20	Current sensor module for Arduino and raspberry pi ((VINYTICS) (vin-cs)	5116877-4427539030	3	1950.00	5850.00
21	16 in 1 Sensor Modules Kit for Arduino and Raspberry Pi ((PSW) (Edu-Tech)	5116877-27749002268	2	11990.00	23980.00
22	Raspberry Pi 4 Model B 4Gb Ram Micro Controller Board for IOT	5116877-81499309573	4	8499.00	33996.00
23	Digital Tachometer for Motor RPM Measurement (VINYTICS)	5116877-98527245871	1	4000.00	4000.00
<b>Sub Total 2</b>					<b>579782.00</b>
<b>Department of Electronics &amp; Communication Engineering</b>					
24	STEM Robotics Design & Prototyping Tinkering Kit	5116877-91699896440	5	7078.00	35390.00
25	IOT Research Lab Kit from CDAC	5116877-82074573731	1	406038.00	406038.00
<b>Sub Total 3</b>					<b>441428.00</b>
<b>Department of Polymer Science &amp; Technology</b>					
26	Muffle Furnace		1	37500.00	37500.00
27	Electronic Precision Balance		1	98500.00	98500.00
28	Hot Air oven		1	44000.00	44000.00
29	Hotplate with magnetic stirrer		1	15499.00	15499.00
<b>Sub Total 4</b>					<b>195499.00</b>
<b>Department of Electronics &amp; Instrumentation</b>					
30	SONEL KT 320 Camera		1	349869	349869.00
31	LCD Projector		02	40000.00	80000.00
32	Laser Printer		01	50000.00	50000.00
<b>Sub Total 5</b>					<b>479869.00</b>
<b>Department of Computer Science &amp; Engineering</b>					
33	Holo World Robotics Workbench Simulator		01 (250 licence)	1600.00	400000.00
34	Desktop Computers		20	65000.00	1300000.00
<b>Sub Total 6</b>					<b>1700000.00</b>
<b>Grand Total</b>					<b>3745756.00</b>

In the 10<sup>th</sup> BoG Subcommittee meeting it was suggested holding the procurement of equipments related to innovation laboratory.



### B6.4.6 New proposals

Following are the new proposals of procurement submitted by various departments. The details of the equipments are as follows:

Sl No	Department	Equipment	Qty	Amount in Rs
1.	Bio Technology	Autoclaveble Fermentor	01	490000.00
2.		pH meters	02	21800.00
3.	Environmental Engineering	Muffle Furnace	01	90625.00
4.	Construction Technology Management	Servo Controlled Testing Facilities	01	680000.00
5.	Industrial Production	Desktop computers	30	2666640.00
		Antivirus software 3 years warranty	30	15000.00
6.	Chemistry	Desk top computer	04	280000.00
7.		Multifunction printer	01	20000.00
8.	Physics	Desk top computer	03	210000.00
9.		Multifunction printer	01	20000.00
10.	Mathematics	Desk top computer	04	280000.00
11.		Multifunction printer	02	40000.00
12.	Placement and Training	Desktop computers	03	210000.00
13.	Office, SJCE College	Desktop computers	12	840000.00
14.	JSS S&TU office ( 10) + Joint Director (01)	Desktop computers	11	770000.00
15.	Resident Engineer	Desktop computers	01	70000.00
16.	Mechanical Engineering	Desktop computers	30	2666640.00
17.	All departments (60x Rs. 3000.00)	Web camera for online teaching	60	180000.00
18.	All departments	Digital Writing Pad	13	26000.00
19.	E&EE	Lab equipment for upgradation of AEC lab	10	11000.00
20.		Digital millimeter Hand held 50 KHz		
21.		Digital Multi meter		
22.		HTC DR Regulated power supply	05	34500.00
23.		Siglent 10 MHz to 24 Mhz Frequency 2 channel function generator	03	87900.00
24.		Scientific analog and digital	03	122100.00
25.		Lab equipment for upgradation of HV lab LCR Meter	01	350000.00
26.		Transformer oil BDV Test kit	01	64349.00
27.		High Temperature accessories	01	170000.00
28.		Printer	01	19900.00
29.	Civil Engineering	Desk top computers	20	140000.00
30.		Multi media Projector	02	126120.00
31.	PST	Laptop	01	155906.00
32.	E&I	Multimedia projector	01	65800.00
33.		Mantra Color LCR Thermal imager	01	153000.00
34.		Fluke colar LCD Thermal Imager 75000	01	98000.00
35.		Neuman & Miller color LCD Thermal imager 19000 pixel (NM-04)	01	72000.00
		Canon laser compact all in one printer image class MF241D	01	19440.00
	Transducer Trainer	01	24000.00	



36.		LVDT Trainer	01	16200.00
37.		Capacitive Displacement transducer Train	01	17900.00
38.		Measurement of water level using capacitive transducer	01	22350.00
39.		Measurement of load using strain gauge based local Cell	01	15125.00
40.	NAIN Lab	Desktop Computers	23	1380000.00
41.		Printer	01	17999.00
42.		Projector Screen	01	8499.00
43.		Projector	01	63059.00
44.		Web Camera	01	3294.00
45.	Computer Science	Desktop computers	40	2400000.00
46.		Printer	04	71996.00
47.		Web Camera	04	13176.00
48.		Laptop	02	63000.00
49.		Monosek	01	1700000.00
50.		Projector Screen	04	33999.00
51.		Projector	04	252239.00

Following is the list of Desktop Computers, Printers and Projectors requested from different departments.

Sl No	Particulars	Quantity
1	Desktop computers	181
	IP - 30 Nos	
	Mech - 30 Nos	
	SJCE Office - 12 Nos	
	JSS S&TU - 11 Nos	
	Physics - 03 Nos	
	Chemistry - 04 Nos	
	Maths - 04 Nos	
	Placement - 03 Nos	
	RE Civil - 01 No	
	NAIN Lab - 23 Nos	
	E&EE - 20 Nos	
2	Printers	11
	Chemistry - 01 Nos	
	Physics - 01 No	
	Maths - 02 No	
	E&EE - 01 No	
	E&I - 01No	
	NAIN Lab - 01 No	
	CSE - 04 Nos	
3	<b>Projectors</b>	08
	Civil - 02 Nos	
	PST - 01 No	
	NAIN Lab - 01 No	
	CSE - 04 Nos	

**For the balance amount available in procurement Head, procurement of computers have been Approved (Details in 6.4.5).**

**B6.5 Head: Academic Processes****B6.5.1 Improve Student Learning**

(Activities include: IIT/ NIT training to students at IIT/NIT or in parent institute; Induction Training; GATE Preparation Classes; Career Counseling, Student Counseling; Psychometric/ Diagnostic Test; Remedial Classes; Peer Learning; Student Visits to IIT & R&D organizations; GATE Registration Fee (only for final year students); Institutional memberships for professional societies eg, IEEE, ACM, IETE, CSI, Automotive Engineering, ISTE, IE(I), ASCE, ASME, for student chapters; Sponsorship of 20% on academic activities in Tech Fest; Registration Fees and TA/DA for students participating in Tech Fest of IIT/NIT; GATE Orientation Programme, etc.)

**To organize workshops/FDP/Symposium/Conference**

Sl No	Name of the coordinator	Department	Programme Title	Date	Estimated Budget Rs
1.	Dr. Savitha M &	IPE/	Induction Programme		49460.00
2.	Registrar JSS STU	JSSSTU	Fresher's day		7408.00
3.	Dr. P S Raghuprasad	CTM	Special lecture on "Geo Techniques for infrastructure by Dr. S K Prasad	28.11.2020	2300.00
4.	Dr. P Mallu	Chemistry	Webinar series on Chemistry topics by eminent speakers from other institutes to clear the commutative exams like CSIR-NET, GATE SLET	Dec 2020	44000.00
5.	Dr. Manoj Kumar B Smt. Savitha ulavi Smt. Thanushree M S	ENV	Outcome based Education for stake holders by Dr. B V Ranganath, BMS College of Engineering	30.11.2020	2000.00

**Noted & Approved****B6.5.2 Graduates Employability**

(1. Awareness drive/ workshops about the idea of 'Innovation' & 'Start-up'; 2. Continuous Drive of Competitions: Smart India Hackathon, Idea stage, prototype stage, business plan, etc every month for first to final year students; 3. Soft Skill training (Industry Readiness); 4. Remedial coaching for first to final year students in Communication Skills, quantitative ability, logical reasoning as observed in AMCAT employability test; 5. Bridge Courses for enhancing employability/placement; 6. Conducting training on NASSCOM future skills; 7. Specialized industry based training programmes by industry; 8. Organising motivational talks by local entrepreneurs; 9. E-summits, conferences, seminars and other Entrepreneurship fests (organising as well as attending); 10. Awareness of job potential by arranging alumni talks; 11. Formation of students clubs for domain and general areas; 12. Operation / maintenance/ Consumables on tinkering labs; 13. Student training on interpersonal skills)

Sl No	Name of the coordinator/ Participant	Department	Programme Title	Date	Estimated Budget Rs
1	Dr. B.S Mahanand	ISE	Future skill Technologies training on Artificial Intelligence and Machine Learning	01.02.2021 to 20.03.2021	70000.00
2	Dr. M S Shashikala	EEE	Workshop & Training on "Power management lab kits (DC to DC Converters)	2 <sup>nd</sup> week of March 2021	25000.00

Note: As per communication from NPIU dated 2<sup>nd</sup> June 2020, the faculty trained under future skill technologies at IITs should further train the students in the subject domain they have been trained. As per NPIU communication the faculty will be paid Rs. 700.00 per hour as extra remuneration.

**Noted & Approved**



**B6.5.3 Faculty/Staff Development and motivation**

(Activities include: Short Term Training Programmers (STTP) in house; Registration fee and TA/DA for STTP in other reputed institutes; IIT training to faculty at IIT or in parent institute; Attending Conferences/Seminars/Workshops; Qualification Up gradation; Support Staff training, etc.)

Following proposals were received from faculty members of different departments to organize and to attend workshops, conferences, symposiums and faculty development programs on different dates.

**To organize workshops/FDP/Symposium/Conference**

Sl No	Name of the coordinator	Department	Programme Title	Date	Estimated Budget Rs
1.	Dr. M S Shashikala	EEE	Webinar on Power Electronics converters and application by Mr. Gurumurthy S R, Professor, NIE Mysore	30.12.2020 to 31.12.2020	4000.00
2.	Dr. P S Raghuprasad	CTM	FDP on “Facets of sustainable growth in infrastructure Development (FSGID)	2 <sup>nd</sup> week of March 2021	188000.00
3.	Dr. B Manoj Kumar & Dr. Pushpa Tuppad	ENV	Workshop on “ Water conclave – for a better future” Speakers from IIT, Guwhati, IIT Khargpur, IIT Roorkee, NITK, IISc, UAS, Bangalore ,IIIT, Dharwad, Australian partners	1 <sup>st</sup> week of March 2021	360000.00
4.	Dr. P Mallu	Chemistry	International conference on Recent Trends in Organic Chemistry	Jan 2021	13000.00
5.	*Dr. M P Pushpalatha	CSE	Spirituality and holistic well being for professional women at Suttur	15.03.2021 to 19.03.2021	425000.00
6.	Dr. M A Anusuya & Dr Guru R	CSE	One day Technical Talk on Machine Learning – Mathematical perspective	26.03.2021	14000.00
7.	Ms. Shruthi N M and Ms. Varsha V	CSE	One week workshop on personal excellence	01.03.2021	144000.00
8.	Mr. Parashiva Murthy B M Ms. Ashritha Murthy	CSE	Data analytics and security	08.03.2021 to 12.03.2021	53000.00
9.	Ms. Rakshith P	CSE	One day Technical Talk on UPSC/KPSC Exam preparation	March 2021	35000.00
10.	Dr. B Manoj Kumar, Dr. Rudraswamy S B, Dr. Srinath S & Dr. Mallikarjun M S	TEQIP	One day FDP on “National Education Policy -2020	3 <sup>rd</sup> Week of Feb 2021	50000.00

**\*Note: The committee members informed that the details of the program along with revised budget should be submitted by the Coordinator of the program.**

**To attend/ present research papers/ invited talks in workshops/ FDP/ Symposium /Conference**

Sl No	Name & Designation	Department	Programme Title	Place	Date	Estimated Budget in Rs
1.	Mr. M Pradeep Training & Placement officer	Placement & Training	Attend CII Take Pride annual event	Hyderabad	06.02.2021 to 08.02.2021	30,000.00
2.	Mr. Sharath H P	Civil	Attend the National Technical seminar on “Smart construction with BIM &GIS”	Builders Association of India, Mysore	08.01.2021 to 09.01.2021	3500.00
3.	Mr. Darshan M	Civil				5000.00
4.	Mr. Kavya K M	Civil				5000.00
5.	Mr. Monish Kumar	Civil				5000.00



6.	Dr. P S Raghuprasad	CTM	Attend the National Technical seminar on “Smart construction with BIM &GIS” To attend certificate course on Road Safety Engineering and Audit	Builders Association of India, Mysore	08.01.2021 to 09.01.2021	3500.00
7.	Mr. Dharshan K	CTM				3500.00
8.	Dr. Sunil Kumar	CTM				3500.00
9.	Ms. Nagashruthi shivakumar	Civil			Indian Academy Highway Engineering	01.02.2021 to 15.02.2021
10.	Ms. Anusha M U	E&I	To attend and presented paper on “2 <sup>nd</sup> international conference on Adaptive Computational Intelligence (ICACI 2020)”	GSSS, Mysuru	15.12.2020 to 16.12.2020	4000.00

**Noted & Approved**

**B6.5.4 Research and Development**

(Activities include: Attending Conferences/ Seminars/ Workshops for UG/PG/Ph.D students within or outside institute; Spares and consumables for UG/ PG student research projects Seed Money for R & D for faculty research projects; Publication in peer reviewed journals having citation & impact factor and scopus index; Fees for patent filing for faculty and students, etc.)

**To attend/ present research papers/ invited talks in workshops /FDP/ Symposium/ Conference**

SI No	Name & Designation	Department	Programme Title	Date	Estimated Budget, Rs
1.	Ms. Rashmi S	CSE	Attended and presented technical paper in 5 <sup>th</sup> IAPR International conference at IIT, Alahabad Paper title: A novel method for cephalometric land mark regression using convolution neural networks and Local Binary pattern	04.12.2020 to 06.12.2020	7080.00
2.	Ms. Sharvani N R	E&I	Attended and presented Research paper in 3 <sup>rd</sup> international conference on “Communication, Circuits and System at KIIT, Bhubaneswar	18.10.2020	2000.00
3.	Dr. M P Pushpalatha	CSE	Registration fees for AICTE/ISTE- AQIS Scheme 2021-22		3072.00

**M.Tech Students requesting funds for project work**

SI No	Student Name	Dept	Dissertation title	Budget Amount in Rs.
1.	Mr. Rakesh K M M.Tech Student	Mech	Experimental investigation, study and characterization of acoustical properties of Natural Fibers and Their Bio –composites material for better acoustical Design and Development of sound absorption application system	166402.00
2.	Mr. Nanjundaswamy S	Chemistry	Synthesis and characterization of pyridine chalcones	63000.00
3.	Mrs Deepika P	Chemistry	Schiff base complexes	17319.00
4.	Ms. Sapna Unni C K Research Scholar	Chemistry	Synthesis and characterization of derivatives of heterocyclic compounds and their biological activities	40000.00

**Seed Money for R & D for faculty research projects**

SI No	Faculty Name	Dept	Particulars	Budgeted amount in Rs
1.	Gayithri H M	ECE	Synthesis and characterization of nano metal oxide incorporated nano composites for super capacitor application	50000.00
2.	Dr. S Siddaramaiah	PST	Spares and consumables for department R&D Project	160400.00
3.	Dr. P Mallu	Chemistry	Design and Synthesis of copper Nano materials decorated with biocidal candidates : Eradication of MRSA biofilm	120000.00
4.	Mr. Nagendra Prasad H S	Chemistry	Heli coverpa armigera Nuclear Polyhedrosis virus detection in agriculture field using piperazine probe	50000.00
5.	Ms. Deepa S N	EEE	Suitability analysis of Alternative Insulating Liquid for Power Transformers	95000.00

Committee members suggested deferring the funding of R&D seed money for the faculty members mentioned in the SI. Nos. 1, 3 and 4.

Following is the request by faculty member for Patent search:

SI No	Name of the faculty	Patent title	Amount in Rs.
1	Ms. Vani Ashok	A novel Soft X – Ray image Benchmark dataset for automatic Non destructive internal quality detection for Mango Fruits	10000.00

Committee members suggested funding the patents filed by students and faculty will be only after renewal/ appointment of service provider.

**Noted and Approved****B6.5.5 MOOCs and Digital learning**

(The activities include: certification fees for online courses (MOOCs), Development of MOOCs/ online courses etc.)

Faculty members and students of different departments took SWAYAM and NPTEL courses of AICTE. For those who have qualified the course, the fee will be refunded from TEQIP III funds.

Sl. No	Dept	Name	SWAYAM & NPTEL course	period	Amount in Rs.
1.	IP	Mr. Dayakar G Devaru	Introduction to operations Research	Feb – April 2020	1000.00
2.			Work System Design	Sept -Dec 2020	1000.00
3.	ENV	Dr. Pushpa Tuppad	Plastic waste management	Jan – Mar 2020	1100.00
4.			Water supply engineering	Jan – April 2020	1100.00
5.	EI	Dr. Rathnakara S	Industrial automation and control	Jan – April 2020	1100.00
6.			Op-Amp practical applications : Design, Simulation and	Sept-Dec 2020	1100.00



			Implementation		
7.	EI	Mrs. Prajeshwari P	Industrial automation and control	Jan – April 2020	1100.00
8.	Mech	Mr. Karthik M S	Accreditation for undergraduate Engineering programmes	Sept 2020	1000.00
9.			Conduction and convection Heat Transfer	Jan – April 2020	1000.00
10.	Mech	Mr. Prdeep Kumar V G	Basic of Finite Element analysis	Feb – April 2019	1200.00
11.	Mech	Dr. M G Malleth	Basic of Finite Element analysis	Feb – April 2019	1200.00
12.	Maths	Mr. Manjunath B J	Transform calculus and its application in differential equations	Jan –April 2020	1100.00
13.			Mathematical Methods and its application	Jan –April 2020	1100.00
14.	Civil	Dr Shivaprasad K N	Project planning and control	Sept to Nov 2020	1100.00
15.	Civil	Ms. Kavya K M	Integrated waste management	Sept to Dec 2020	1100.00
16.	Civil	Ms. Nagashruthi Shivakumar	Integrated waste management for a smart city	Sept to Dec 2020	1100.00
17.	Civil	Mr. Monish Kumar K	Design of Reinforced concrete structures	Sept to Dec 2020	1100.00
18.	Maths	Mr. Veerasha R G	Transform calculus and its application in differential equations	Jan –April 2020	1100.00
19.			Mathematical Methods and its application	Jan- April 2020	1100.00
20.	Maths	Dr. B Prashanth	Graph Theory	Jan –March 2020	1100.00
21.	E&I	Ms. Anusha M U	Technical English for Engineers	Sep to Nov 2020	1100.00
22.			Orientation towards technical education and curricular aspects	July – Dec 2020	3000.00

### Noted & Approved

#### B6.5.6 Mentoring/Twinning System

*(Should at least spend 3% of the PLA, include non- remunerative activities like: Two way faculty, staff and student exchange programs for training and academic activities; Joint R & D; Arranging seminars, academic meetings and conferences for students and faculty; Organizing Industry partnerships for joint R&D, internship and placement activities; Learning forums for improving governance practices, institutional management and reforms; Joint Advisory or consultancy services; any other activities as deemed mutually appropriate)*

The following are the activities proposed for Mentee Institute under Twinning system

Sl. No	Name of coordinator	Department	Particulars	Date	Amount in Rs.
1.	Dr. Manoj Kumar B & Dr. Rudraswamy S B	TEQIP-III	Workshop on Outcome Based Education and NBA Process	04.02.2021	6000.00
2.	Mr. Harshavardhan	MLV TEC, Bhilwara	Attended Performance Auditor Meeting of SJCE and to attend BoG Meeting	03.02.2021 & 08.02.2021	25000.00
3.	Dr. Vyas TEQIP –III Coordinator	MLV TEC , Bhilwara	To attend 6 <sup>th</sup> BoG Meeting at SJCE	03.02.2021 & 08.02.2021	25000.00
4.	Principal , SJCE & TEQIP-III Core committee Members	MLV TEC, Bhilwara	Visit to MLV TEC, Bhilwara to prepare action plan and to verify	4 <sup>th</sup> week of Feb 2021	2,50,000.00



			NBA preparedness.		
5.	SJCE BoG Members	MLV TEC, Bhilwara	Visit to MLV TEC, Bhilwara to conduct two day seminar on Good Governance Practices and Institutional Management	4 <sup>th</sup> week of Feb 2021	3,50,000.00
6.	Five Faculty members from SJCE	MLV TEC, Bhilwara	Visit to MLV TEC to assist in NBA process	3 <sup>rd</sup> week of Feb 2021	3,00,000.00
7.	Three Faculty members of SJCE	MLV TEC, Bhilwara	Visit to MLV TEC to take classes for students of various Departments	4 <sup>th</sup> week of Feb 2021	2,00,000.00
8.	Dr. M Pradeep Training & Placement officer	Training & placement	5 days EAP Program	23.02.2021 to 27.02.2021	50250.00

**Noted & Approved**

**B6.5.7 Reforms & Governance**

*(Activities include: Academic Reforms (ICC, BoS, Academic Council/ Senate, BoG); Accreditation & UGC Autonomy; Student Feedback & Faculty Appraisal, etc)*

6<sup>th</sup> BoG Expenses : Rs. 15,000.00  
NBA Accreditation Fees : Rs. 7,50,000.00

**Noted & Approved**

**B6.5.8 Industry-Institute Interaction**

*(Expenditure on TA/DA registration fees for Internships; 2.Inviting Industry expert for lectures; 3. Placement Activities & Hospitality for the companies coming for placement, 4.TA/DA of students and faculty for Industry Visits, 5. Arranging HR summit for placement, 6. Preparation and printing of brochure for placement, 7. Expenditure on submission of collaborative research proposals to the industry, 8.Conducting workshops for GD/PI, preparation of CV for placement, mock interviews, 9. Conduct of Alumni meet for carrier guidance and placement activities, 10. Arranging pool campus, 11. Participation of industry experts in curriculum development through ICC, 12. TA/DA and honorarium for industry experts assisting in delivery of curriculum)*

The following are the activities proposed by different departments under I-I-I.

Sl No	Name of the coordinator/ Participant	Depart -ment	Programme Title	Date	Estimated Budget Rs
1.	Dr. M S Shashikla	EEE	Webinar on “Finishing Touch for Industry Aspirants -2 hat industry needs from you” by Ms. Veena Ravishankar, TCE consultant	06.02.2021	3000.00
2.	Mrs. Parinitha T Niranjana	ENV	Special lecture on “MWM in Municipal Council” by Ms. Ruchi Environmental officer, Hassan	30.01.2021	1500.00
3.	Mr. Monish Kumar K	Civil	Webinar on “Challenges and opportunities in costal and ocean engineering” by Dr. Subramaniam Neelamani, Kuwait institute for Scientific Research	18.12.2020	2365.00
4.	Mr. Monish Kumar K	Civil	Special lecture on “Coastal Engineering” by Dr. Subramaniam Neelamani, Kuwait Institute for Scientific Research	11.12.2020	2500.00
5.	Dr. M S Shashikala	EEE	Webinar on “Harmonic Audit” by Mr. M S Balasundaram, RGEC Bangalore	1 <sup>st</sup> week of March 2021	3000.00

**Noted & Approved**



### B6.6 Operating Cost

Sl No	Particulars	Amount in RS
1	Stationary and consumables	25000.00
2	Office expenses including Tea/ coffee Jan to May 2021	18000.00
3	Telephone Bill - Jan 2021 to May 2021	2500.00
4	Performance audit expenses	25000.00
5	Courier charges	350.00
6	Quick heal internet security antivirus	4130.00
7	Umesh R Associates - Internal Audit Fees - Oct 2020 to March 2021	25000.00
8	Madhavan & Co - Statutory Audit Fees as on 31 <sup>st</sup> March 2021	40000.00
9	Salary of TEQIP Staff from Jan 2021 to May 2021	500000.00

### Noted & Approved

#### B6.7 Others

##### Flight Cancellation Charges:

- Flight cancellation charges of Dr. Hemavathi A B and Dr.Prathiba R J Dept of PST & ISE- visit to MLV Textile & Engineering College, Bhilwara to assist the NBA SAR Preparation form 2-5 July 2018. The program was cancelled as per email from the Principal. The flight cancellation amount of Rs. 21794/- to be paid to JSS Travel desk will be charged under Mentoring & Twinning Head.
- Dr. Gayathri S, Dept of ECE proposed to conduct one day workshop on “Women Entrepreneurship” as per the request from Mentee institute. This program was scheduled on 24.03.2020 at MLV Textile and Engg college, Bhilwara. Because of COVID 19 situation at Rajasthan the program was cancelled. The flight cancellation charges to be paid to JSS Travel desk is Rs. 21413.00 and will be charged under Mentoring & Twinning Head.
- Dr. S B Rudraswamy. Dept of ECE proposed to conduct one day workshop on “Women Entrepreneurship” as per the request from Mentee institute. This program was scheduled on 24.03.2020 at MLV Textile and Engg college, Bhilwara. Because of COVID 19 situation at Rajasthan the program was cancelled. The flight cancellation charges to be paid to JSS Travel desk is Rs. 6118.00 and will be charged under Mentoring & Twinning Head.
- Dr. Jaiprakash, Resource persons for Indo US Workshop on Hazardous Material and basic Safety in industry held at MLV Textile and Engineering College cancelled flight ticket and the cancellation charge amount of Rs. 3559.00 to be paid to JSS Travel desk will be charged under Mentoring & Twinning Head.
- Prof. Vanishri Arun, Dept of ISE was deputed to attend the FDP on “Data Science & Analytics” at IIT, Kanpur Scheduled during 30th March to 8th April 2020. In view of the prevailing situation regarding COVID -19 the program was cancelled. The air tickets which were already booked for the scheduled dated has to be cancelled. The flight cancellation amount of Rs. 6118/- to be paid to JSS Travel desk.
- Dr. C. Nataraju, Dept of Civil Engg was nominated by the Principal to attend management Development Programme at Dehradun during Sept 2018. Because of the health issues he could not attend the programme. The cancellation of the air ticket charges is Rs. 6450.00
- Pending Bills of Patent search and filing.
- The action plan for additional allocation of Rs. 70 Lakhs has been submitted to NPIU/SPIU along with key performance index note.

### Noted & Approved

#### B6.8 Any other subject with permission of Chair

**Dr. B. Manoj Kumar**  
(TEQIP III Coordinator)

**Dr. S B Kivade**  
(Principal)