



JSS Mahavidyapeetha

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

(Autonomous institution under Visvesvaraya Technological University, Belgaum)

**Proceedings of 10<sup>th</sup> BoG Subcommittee Meeting  
held on 9<sup>th</sup> November 2020**

**S10.1 To read and record the proceedings of the 9<sup>th</sup> BoG Subcommittee Meeting**

The proceedings of the 9<sup>th</sup> BoG Sub Committee held on 17.12.2019 have been circulated among the members and there were no comments received.

**Approved**

**S10.2 Action taken report on relevant points of 9<sup>th</sup> BoG Sub Committee Meeting**

**S10.2.1 Resolution:** Deliberation on Centre for Development of Modern Teaching Learning Materials (renamed as JSSMMRC) (*Page - 4 of 7<sup>th</sup> BoG Subcommittee Meeting Proceedings and Page 1 of 8<sup>th</sup> BoG Subcommittee Proceedings and Page 1 of 9<sup>th</sup> BoG Subcommittee Proceedings*)

**Deliberation and Resolution:**

In the 7<sup>th</sup> BoG Sub Committee meeting the members informed to prepare a comprehensive proposal which include the outcomes, internal know how, utility, target plan A Committee of faculty has been formed to prepare the proposal. The committee prepared the proposal showing the details of equipments required and its cost, outcomes, utility and target plan The proposal was placed for review and acceptance. As informed in the 8<sup>th</sup> BoG Subcommittee meeting a presentation by two vendors was made in the presence of the Executive Secretary, Advisor and the Principal in the board room of JSS CMS. The Executive Secretary informed to prepare a report on the presentation of two vendors and submit the same in the BoG meeting. During the 3<sup>rd</sup> BoG meeting held on 30.09.2019 the same was presented and the members informed to make a presentation in the 9<sup>th</sup> BoG Subcommittee meeting. The comprehensive report has been submitted to the Registrar, JSS S&TU on 12.11.2019.

On 12<sup>th</sup> August 2020 an online meeting was scheduled for finalizing the proposal where in the equipments and place for establishing the centre was finalized.

**Action Taken:**

In the 5<sup>th</sup> BoG meeting the members suggested to rename the Centre for Development of Modern Teaching Learning Materials as JSS Multimedia Resource Centre (JSSMMRC), also the equipments required for proposed JSSMMRC has been approved. The details of approved equipments are shown in Section 10.3.2.1.

NPIU in their email dated 22<sup>nd</sup> June 2020 have provided the revised Procurement Guidelines for TEQIP-III with effect from 22<sup>nd</sup> June 2020. The revised guidelines and the copy of the communication emails are in **Annexure – 1**. As per the new guidelines the equipments and learning resources needs to be purchased from Government e Market (GeM). Accordingly the committee has prepared the list of equipments available in GeM. Also, the place for establishing the Centre is in the under construction floor of CS-IS Block. The place identified for the JSSMMRC is shown in the drawing (S10.3.2.1).



**Discussion:** A detailed discussion was made in the meeting regarding giving the responsibility of the JSSMMRC to Departments of ISE or CSE. Finally it was agreed to provide the responsibility to JSSMMRC committee.

**S10.2.2 Resolution: (Item no. 8.2.2 of 8<sup>th</sup> BoG Sub Committee meeting held on 22.08.2019 and page-1 of 9<sup>th</sup> BoG Subcommittee meeting proceedings)**

The committee opined that the procurement purchase process is slow and suggested to improve the expenditure.

**Action Taken:** The procurement of equipments and learning resources worth Rs. 306.48 lakhs is completed (nearly 87.56 %) by the end of Sept 2019. The details of procurement progress are shown in the following table:

Particulars	Amount in lakh (Rs.)
Amount allocated for procurement of equipments and learning resources	350.00
Amount already spent for procurement	306.48
Amount to be spent for Centre for preparing modern teaching learning materials (Procurement will be completed by end of Nov 2019)	43.52

A detailed discussion was made on the amount left for equipments and learning resources for the Centre for preparing modern teaching learning materials. The Executive Secretary was of the opinion that the amount is not sufficient for establishing the Centre. The BoG Sub-Committee informed to complete the procurement for the balance amount of Rs. 43.52 Lakh for the equipments and learning resources for the establishment of Centre for Modern Teaching Learning Materials (renamed as JSSMMRC) by January 2020.

**Discussion:** In the meeting present status and details of additional allocation was presented.

**S10.2.3 Resolution:** Members suggested to provide blended coaching for GATE 2020 and preparing GATE-2019 review report and the same has to be sent to NPIU. For GATE-2020 training, IISc, Bangalore experts can be utilized in addition to training from empanelled services providers (*Page - 4 of 7<sup>th</sup> BoG Subcommittee Meeting Proceedings and Page 2 of 8<sup>th</sup> BoG Subcommittee Proceedings, and Page 3 of 9<sup>th</sup> BoG Sub-committee Proceedings*).

**Action taken:**

A report comprising of number of students enrolled and trained, number of students qualified with the valid GATE Score and All India Rank has been submitted through Google form to NPIU. The books provided during GATE 2019 online coaching is kept in library and reference section. HoDs were informed to inform the students to utilize the books for GATE 2020 examination. HoDs were also informed to provide the list of final year students who are interested in taking GATE 2020 examination. Once the list is available the GATE coaching will be provided for the students from empanelled service providers. Also the resource persons will be identified from IISc, Bangalore for additional coaching for GATE 2020.

In the 8<sup>th</sup> BoG subcommittee meeting the members suggested motivating the students to appear for GATE 2020 examination. Members also suggested not going for least quoted service provider for GATE 2020 training and the services should be taken from the



quality service provider. Members informed that the training should be a blend of class room lectures and online training. The details of action taken were presented to the BoG subcommittee members in the 9<sup>th</sup> BoG Subcommittee meeting (*Page 3 of 9<sup>th</sup> BoG Subcommittee Agenda Notes*).

Further, NPIU in their email dated 22<sup>nd</sup> June 2020 informed all TEQIP institutes that due to revisions in Procurement Guidelines of TEQIP-III, the existing framework for signing the contract to GATE training services with the NPIU empanelled service providers stands cancelled and no longer remains in existence with effect from 22.06.2020.

**Discussion:** Members informed on strategy of better usage methods of GATE training books. It was informed that the Principal addressed the students on importance of GATE and encouraged to take the GATE examination. In the meeting students appearing GATE and GATE qualified students statistics were provided. It was suggested by the members for better utilization of the GATE coaching books and question bank by GATE enrolled students.

**S10.2.4 Resolution:** Introduction of cooperative learning (Internship), for non-circuit branches (**Item No. 8.2.4 of 8<sup>th</sup> BoG Subcommittee Meeting held on 22.08.2019 and Resolution of the 9<sup>th</sup> BoG Subcommittee meeting held on 17.12.2019**)

On experimental basis, the departments of Polymer Science & Technology and Biotechnology can adopt the cooperative learning system (Page 2 of 8<sup>th</sup> BoG Subcommittee Meeting Agenda). Members suggested making Dr. T.H Udayashankara, Prof. & Head, Department of Environmental Engineering to coordinate and to prepare a proposal.

**Action taken:**

As suggested by members, Dr. T. H. Udayashankara, Professor & Head, Department of Environmental Engineering was requested to coordinate with the head of the departments of Biotechnology and Polymer Science & Technology to prepare a proposal and submit to the Principal office. When approached, Dr. T. H. Udayashankara informed that a discussion on cooperative learning is made with the departments of Biotechnology and Polymer Science & Technology and the report will be developed in due course of time. Principal informed to the committee members that the Department of Polymer Science & Technology has submitted a report showing the industrial training for final year BE (PS&T) students and its credits approved by BoS.

The members suggested to Dr. T. H. Udayashankara and Dr. Nagendra Prasad, Head of Department of Biotechnology for preparing a proposal and submitting the same in the next BoG Subcommittee meeting.

Dr. Nagendra Prasad, Head of Department of Biotechnology had meetings with the Principal and Vice Chancellor, JSS STU and informed that the Biotechnology Department cannot go well with cooperative learning in the present circumstances.

**Discussion:** Members suggested that the Department of Biotechnology should be encouraged to introduce cooperative learning in their syllabus.

**S10.2.5 Resolution:** Training at Siemens – GTTC, Mysuru (**Item No. 8.2.5 of 8th BoG Subcommittee Meeting held on 22.08.2019 and Resolution of the 9<sup>th</sup> BoG Subcommittee meeting held on 17.12.2019**)



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Faculty from the departments of Mechanical Engg, Industrial Production and Engg, Electronics and Communication Engg, and Polymer Science & Technology should undergo training at Siemens –GTTC, Mysuru (Page –2 of 8<sup>th</sup> BoG Subcommittee meeting and Page 2 of 9<sup>th</sup> BoG Subcommittee meeting).

### **Action taken:**

Head of Department of Mechanical Engineering was informed to provide a proposal on the possible faculty and staff training at the Centers of GTTC. Dr. Srinidhi, Professor & Head, Department of Mechanical Engineering had two interactions with officials of GTTC. In the interaction meeting, it was planned to have formal MoU between GTTC and SJCE to train faculty members and Technical staff. In the 9<sup>th</sup> BoG subcommittee meeting Dr. Srinidhi, Professor & Head, Dept of Mechanical Engineering informed that MoU between GTTC and SJCE should be done for training to faculty and staff.

**Discussion:** It was approved to have a formal MoU between GTTC and SJCE to train faculty members and Technical staff.

**S10.2.6 Resolution:** Members suggested that an invited talk should be arranged at SJCE by Dr. Devdutt Pattanaik writer and trainer on relevance of mythology in modern times, management, governance and leadership (*Page – 14 of 7<sup>th</sup> BoG Subcommittee Meeting Proceedings and Page 3 of 8<sup>th</sup> BoG Subcommittee Proceedings*).

### **Action taken:**

As suggested by the members, Dr. Devdutt Pattanaik was contacted for suggesting his willingness for providing a invited talk on Management, Governance and Leadership. Office of Dr. Devdutt Pattanaik has informed through e-mail that the invited talk can be held whenever Dr. Devdutt Pattanaik will visit Mysore. In the 8<sup>th</sup> BoG Subcommittee meeting the members suggested that Dr. Devadutt Pattanaik talk and Ms. Reena Sonigrah talk can be combined and the event can be held on a convenient date for both the speakers.

**Discussion:** Since Dr. Devadutt Pattanaik has not given time for his talk it was suggested to have a talk by Ms. Reena Sonigrah. Members opined that there is a delay in organizing the event.

### **Action taken:**

Principal informed Dr. Anil Kumar K M, Associate Professor to coordinate the program. As per the direction of Principal, Management Development Programme (MDP), was proposed to be organized for senior faculty and managerial staff of JSS MVP. In this regard, Ms Reena Sonigrah, Bengaluru, Mr. V Girish, Mumbai, Dr. Rajappa V, of PATTE foundation and Mr. Anoop from Bengaluru were contacted by Dr. Anil Kumar K M. As per resource persons information the programme was scheduled on 21.02.2020 and 22.02.2020. However, on account of Mahashivarathri festival, and due to resource persons prior commitments on the proposed dates and programme could not be held on the mentioned dates. Dr. Anil Kumar K M and Dr. Pradeep, Placement and Training Officer organized two online talks for senior faculty, HoDs and Managerial staff of JSS MVP. The first expert talk was on “Block Chain” by Mr. Vikram, Director at Deloitte which was held on 25th July 2020. The second talk was leadership online Talk on 'Leading in the Digital Economy' by Ms. Reena Sonigrah was organized for senior faculty and managerial staff of JSS MVP on 08.08.2020.

**Discussion:** Members suggested inviting Dr. Devdutt Pattanaik in the future for the major events of the institute such as Induction Program, Fresher's day and others depending on his availability.



**S10.2.7 Resolution:** Sutturu Shibira a retreat program can be arranged for students of other TEQIP institutes of Karnataka (*Page – 14 of 7<sup>th</sup> BoG Subcommittee Meeting Proceedings; Page 3 of 8<sup>th</sup> BoG Subcommittee proceedings and Page 2 of 9<sup>th</sup> BoG Subcommittee Agenda Notes*).

In the 8<sup>th</sup> BoG subcommittee meeting it was informed to implement retreat program for the students of other TEQIP institutes in Karnataka. We need to circulate the brochure on various activities that could be done at Suttur and actual fee payable for such program. The brochure containing the details will be circulated among the TEQIP-III institutes in Karnataka. In the 8<sup>th</sup> BoG subcommittee the members suggested writing to TEQIP-III institutions for their willingness to conduct the program.

**Discussion:** The members suggested conducting the program during August/September 2020 for first year students during induction program for first year students.

**Action taken:**

Once the Sutturu Shibira a retreat program is scheduled and 1<sup>st</sup> year admission starts, the program details will be circulated among all TEQIP institutes of Karnataka.

**Discussion:** It was informed to members due to present situation of COVID 19 pandemic crisis offline induction program will not be held.

**For Information**



## S10.3 Agenda Notes

### S10.3.1 Expenditure details

The following table shows the expenditure details as on 14<sup>th</sup> Nov 2020 under various heads:

Sub – Component		Expenditure in Rs.
<b>1.3.1 Procurement of Goods</b>	1.3.1.1 - Equipments	257,81,914.00
	1.3.1.2 - Learning Resources	48,66,910.00
<b>Total</b>		<b>306,48,824.00</b>
<b>1.3.2 Academic Processes</b>	1.3.2.1 - Improve Students Learning	51,50,215.00
	1.3.2.2 - Assistantship	15,00,000.00
	1.3.2.3 - Graduates Employability	18,37,433.00
	1.3.2.4 - Faculty/Staff Development and Motivation	133,02,298.00
	1.3.2.5 - Research and Development	31,09,662.00
	1.3.2.6 - MOOCs and Digital Learning	1,85,900.00
	1.3.2.7 - Mentoring/Twinning System	14,11,330.00
	1.3.2.8 - Reforms and Governance	6,55,021.00
	1.3.2.9 - Management Capacity Development	3,36,336.00
	1.3.2.10 - Services	1,82,900.00
	1.3.2.11 - Industry-Institute Interaction	8,82,685.00
<b>Total</b>		<b>2,85,53,780.00</b>
<b>1.3.3 Operating Costs</b>	1.3.3.1 - Consumables	74,623.00
	1.3.3.2 - Operation & Maintenance of Equipments	19,863.00
	1.3.3.3 - Office Expenses	3,71,644.00
	1.3.3.4 - Meetings	12,85,148.00
	1.3.3.5 - Hiring of Vehicles	17,217.00
	1.3.3.6 - Travel Cost	1,546.00
	1.3.3.7 - Salary	17,23,778.00
<b>Total</b>		<b>34,93,819.00</b>
<b>Grand Total</b>		<b>6,26,96,423.00</b>

On 2<sup>nd</sup> Aug 2020 NPIU provided additional Project Life Allocation through re-appropriation to SJCE for satisfactory performance in terms of performance bench marks. Accordingly SJCE revised PLA is Rs. 770 Lakhs. The copies of the e-mail and allocation is in **Annexure -2**.

NPIU informed all TEQIP institutes that there is minor revision in percentage allocation for procurement out of the Project Life Allocation (PLA). Following are the extract of the e-mail dt: 22.09.2020

1. The sudden outbreak of COVID-19 pandemic crisis left most project institutes unprepared or inadequately prepared for implementation of the digital learning and other support arrangement for students and faculty, specially infrastructure and support systems. Several project institutes requested to strengthen digital learning processes / infrastructure in the light of NEP-2020.



2. Also, in view of the COVID-19 protocol on mandatory physical distancing, the expenditure on academic activities and faculty development programs also got drastically reduced. Hence, many institutes requested to increase share of procurement allocation (by diverting IOC and academic allocation) so as to strengthen digital learning / infrastructure.
3. The proposal for enhancement in procurement allocation (Procurement of Goods & Services) within existing in PLA of the institutes to strengthen digital learning processes in alignment with NEP-2020 has been examined by Ministry of Education-GoI and the World Bank and approved to revise the percentage allocation in Procurement of Goods & Services.
4. The revised allocation structures for Procurement, Academic and IOC for different categories of institutions is as follows.

Component/ Category	PLA	Existing Allocation (% of PLA)		Revised Allocation (% of PLA)	
		Procurement	Academic and IOC	Procurement	Academic and IOC
1.3 Mentor Institutes	7 Cr	50% (maximum)	Academic minimum 40%, IOC maximum 10%	60% (maximum)	Academic minimum 30%, IOC maximum 10%

5. The above enhancement in procurement allocation shall enable further development of the followings:
  - a. Setting up web-based learning management system, and collaboration tools that mentor institutes can use for online support to mentee institutes
  - b. Strengthening infrastructure, high-speed data, course contents etc. necessary for operating digital learning, training and research functions
  - c. Training for students, faculty and staff to develop intermediate level digital skills
  - d. Identifying courses that can be moved online in the short-term and courses which will require more effort to move online. Curating the available digital resources that can be centralized and accessed online
  - e. Any other support activities to strengthen digital learning.
6. Important information regarding the above-said revised allocation is as follows.
  - a. The percentage allocation for Procurement and IOC are maximum, while for Academic component is minimum. The procurement and IOC allocation should not exceed the fix limit but may be re-appropriated for academic activities.
  - b. Revised allocation in Procurement shall stay effective for next quarter only i.e. 1st October to 31st December 2020.
  - c. The institutes should ensure that procurement activities be completed upto 31st December 2020 and do not slip beyond Quarter-3.
  - d. The calculated amounts of the allocation in various components viz. Academic, Procurement, and IOC shall be based on the existing project life allocation (PLA) effected by enhancement or curtailment, if any

On 11<sup>th</sup> September 2020 NPIU informed that the project closure date has been extended from 30<sup>th</sup> Sept 2020 to 31<sup>st</sup> March 2021 (copy of E mail in **Annexure-2**).



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In view of the above following is the action plan for procurement and academic processes.

Head	Original Allocation in Rs.	Original + Additional Allocation (70 lakhs) with 60% allocation for procurement in Rs	Actual expenditure in Rs.	Balance fund available in Rs.	Plan of Expenditure in Rs.	Remarks
<hr/>						
Procurement	35000000.00	46200000.00	30648824.00	15551176.00	10500000.00	
Academic Processes + Incremental Operating Cost	35000000.00	30800000.00	32047599.00		3803577.00	Out of Rs 38.04 Lakhs: Academic = Rs. 30 Lakhs and IOC = Rs. 8 Lakhs
<b>Total</b>	<b>70000000.00</b>	<b>77000000.00</b>	<b>62696423.00</b>		<b>14303577.00</b>	

**Plan for Procurement (before 31<sup>st</sup> December 2020):**

**Expenditure made as on date:** *Rs. 306,48,824.00*  
 Available funds for procurement: *Rs. 105,00,000.00*  
**(To be completed by 31<sup>st</sup> Dec 2020)**

Equipments for proposed JSS Multimedia Resource Centre:	Rs. 41,93,333.00
Equipments for departments already approved in BoG:	Rs 30,00,000.00
Equipments for Institute Innovation Lab:	Rs. 20,00,000.00
New proposals	Rs. 13,06,667.00

**Plan for Academic Activities & IOC (October 2020 to March 2021):**

**Expenditure made as on date:** *Rs. 32047599.00*  
 Available funds for Academic Activities & IOC *Rs. 3803577.00*  
 Pending Bills: *Rs 8,00,000.00*  
 Conducting events for SJCE & MLVT&EC Bhilwara: *Rs.22,03,577.00*  
 Incremental Operating Cost: *Rs. 8,00,000.00*  
 (Salary for TEQIP staff for 8 months (Rs. 7,20,000.00) + other expenses (Rs. 80,000.00)

**Noted**



### **S10.3.2 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)

#### **S10.3.2.1 Equipments and Learning Resources for JSS MMRC**

Following are the equipments required for establishing the JSS MMRC. As per the new procurement guidelines the procurement should be made from Government e- Market. The committee members have gone through the GeM website and identified the following equipments required for the JSS MMRC.

Sl. No	Device Type with make & Spec's	Qnt	Price	Total Cost	Link	Image
1.	Sony 4K 3-CMOS 1/3" sensor XDCAM camcorder PXW-Z190, 21X zoom, Video and Audio recorder with live video streaming.	03	269993.79	809981.37	<a href="https://mfp.gem.gov.in/dsl_r-compact-handheld-camcorder-video-cameras/4k-3-cmos-1-3-sensor-xdcam-camcorder/p-5116877-90755962218-cat.html#variant_id=5116877-90755962218">https://mfp.gem.gov.in/dsl_r-compact-handheld-camcorder-video-cameras/4k-3-cmos-1-3-sensor-xdcam-camcorder/p-5116877-90755962218-cat.html#variant_id=5116877-90755962218</a>	
2.	Tripod: miliboo Tripod with Kit Model No. MTT609A	03	24897.00	74691.00	<a href="https://mfp.gem.gov.in/mi-ni-extension-pole-cum-tripod-cum-shooting-grip/miliboo-tripod-with-kit-model-no-mtt609a/p-5116877-46685943629-cat.html#variant_id=5116877-46685943629">https://mfp.gem.gov.in/mi-ni-extension-pole-cum-tripod-cum-shooting-grip/miliboo-tripod-with-kit-model-no-mtt609a/p-5116877-46685943629-cat.html#variant_id=5116877-46685943629</a>	
3.	Teleprompter: SAMVAD QUICK PRO 19 INCH), 4mm mirror thickness, Software Licensed	01	207000.00	207000.00	<a href="https://mfp.gem.gov.in/teleprompter/samvad-teleprompter/p-5116877-27958132049-cat.html#variant_id=5116877-27958132049">https://mfp.gem.gov.in/teleprompter/samvad-teleprompter/p-5116877-27958132049-cat.html#variant_id=5116877-27958132049</a>	
4.	Video Switcher: (Sony) (MCX-500), 8 input and 4 output numbers, HDMI, 3G SDI, Lin-in, Full HD	01	225000.00	225000.00	<a href="https://mfp.gem.gov.in/video-switcher/multi-camera-video-switcher-live-production-unit/p-5116877-62926723453-cat.html#variant_id=5116877-62926723453">https://mfp.gem.gov.in/video-switcher/multi-camera-video-switcher-live-production-unit/p-5116877-62926723453-cat.html#variant_id=5116877-62926723453</a>	
5.	Converter: Blackmagic Design- Mini Converter SDI to Analog-720 FPS	01	19798.00	19798.00	<a href="https://mfp.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://mfp.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>	



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6.	Active monitor speaker: JBL- 5" Two-Way Powered Studio Monitor- LSR-305	01 set	17200.00	17200.00	<a href="https://mfp.gem.gov.in/pa-speaker/5-two-way-powered-studio-monitor/p-5116877-67474755648-cat.html#variant_id=5116877-67474755648">https://mfp.gem.gov.in/pa-speaker/5-two-way-powered-studio-monitor/p-5116877-67474755648-cat.html#variant_id=5116877-67474755648</a>	
7.	Broadcast Monitor: Data video - 17" Broadcast Monitor SD/HD SDI or HDMI Ports 4: 3 & 16: 9 Ratio	01	37000.00	37000.00	<a href="https://mfp.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://mfp.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>	
8.	PA MIXER YAMAHA (Yamaha) (YAMAHA MG20XU 20 INPUT 6 BUS MIXER)	01	39598.00	39598.00	<a href="https://mfp.gem.gov.in/pa-mixer/pa-mixer-yamaha/p-5116877-57504829032-cat.html#variant_id=5116877-57504829032">https://mfp.gem.gov.in/pa-mixer/pa-mixer-yamaha/p-5116877-57504829032-cat.html#variant_id=5116877-57504829032</a>	
9.	Talkback Intercom system: Data Video ITC-100 Intercom System	01	249999.00	249999.00	<a href="https://mfp.gem.gov.in/pabx-system-epabx/data-video-itc-100-intercom-system/p-5116877-41638799566-cat.html#variant_id=5116877-41638799566">https://mfp.gem.gov.in/pabx-system-epabx/data-video-itc-100-intercom-system/p-5116877-41638799566-cat.html#variant_id=5116877-41638799566</a>	
10.	Wireless Presenter set (Collar Mic) (sennheiser) (Sennheiser XSW 2 ME2)	02	29180.00	58360.00	<a href="https://mfp.gem.gov.in/microphone/wireless-presenter-set-collar-mic/p-5116877-96599122776-cat.html#variant_id=5116877-96599122776">https://mfp.gem.gov.in/microphone/wireless-presenter-set-collar-mic/p-5116877-96599122776-cat.html#variant_id=5116877-96599122776</a>	
11.	Wired SONY ECM-77B LAPEL COLLAR MICROPHONE	02	27490.00	54980.00	<a href="https://mfp.gem.gov.in/microphone/sony-ecm-77b-lapel-collar-microphone/p-5116877-28244266628-cat.html#variant_id=5116877-28244266628">https://mfp.gem.gov.in/microphone/sony-ecm-77b-lapel-collar-microphone/p-5116877-28244266628-cat.html#variant_id=5116877-28244266628</a>	
12.	Dell OptiPlex 7470 All-in-One 16GB- 1 TB HDD 128 GB SSD-Win 10 Pro	02	107668.00	215336.00	<a href="https://mfp.gem.gov.in/all-one-pc/dell-optiplex-7470-all-one/p-5116877-76387862445-cat.html#variant_id=5116877-76387862445">https://mfp.gem.gov.in/all-one-pc/dell-optiplex-7470-all-one/p-5116877-76387862445-cat.html#variant_id=5116877-76387862445</a>	
13.	Apple iMac 27" 5K MRQY2HN/A+ S4493ZM/A APP FOR IMAC (Apple)	02	163995.00	327990.00	<a href="https://mfp.gem.gov.in/all-one-pc/apple-imac-27-5k-mrqy2hn-s4493zm-app-imac/p-5116877-5506147534-cat.html#variant_id=5116877-5506147534">https://mfp.gem.gov.in/all-one-pc/apple-imac-27-5k-mrqy2hn-s4493zm-app-imac/p-5116877-5506147534-cat.html#variant_id=5116877-5506147534</a>	
14.	Sennheiser HD 650 Wired Headphones (GREY)	02	4300.00	8600.00	<a href="https://mfp.gem.gov.in/headset/sennheiser-hd-650-wired-headphones-grey/p-5116877-80636583984-cat.html#variant_id=5116877-80636583984">https://mfp.gem.gov.in/headset/sennheiser-hd-650-wired-headphones-grey/p-5116877-80636583984-cat.html#variant_id=5116877-80636583984</a>	



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15.	Behringer HPX4000 Headphones	02	3999.00	7998.00	<a href="https://mfp.gem.gov.in/media-set/behringer-hpx4000-headphones/p-5116877-4567976007-cat.html#variant_id=5116877-4567976007">https://mfp.gem.gov.in/media-set/behringer-hpx4000-headphones/p-5116877-4567976007-cat.html#variant_id=5116877-4567976007</a>	
16.	WALL MOUNTING SPEAKERS (ahuja) (AHUJA & PS - 400T)	04	5500.00	22000.00	<a href="https://mfp.gem.gov.in/pa-speaker/wall-mounting-speakers/p-5116877-79535457419-cat.html#variant_id=5116877-79535457419">https://mfp.gem.gov.in/pa-speaker/wall-mounting-speakers/p-5116877-79535457419-cat.html#variant_id=5116877-79535457419</a>	
17.	SOUNDCRAFT NOTE PAD-5 ANALOG MIXER- 1 Microphone Preamplifier	01	7900.00	7900.00	<a href="https://mfp.gem.gov.in/pa-mixer/soundcraft-notepad-5-analog-mixer/p-5116877-61516862972-cat.html#variant_id=5116877-61516862972">https://mfp.gem.gov.in/pa-mixer/soundcraft-notepad-5-analog-mixer/p-5116877-61516862972-cat.html#variant_id=5116877-61516862972</a>	
18.	C214-Condenser Vocal Microphone (akg)	01	35900.00	35900.00	<a href="https://mfp.gem.gov.in/microphone/c214-condenser-microphone/p-5116877-91541796456-cat.html#variant_id=5116877-91541796456">https://mfp.gem.gov.in/microphone/c214-condenser-microphone/p-5116877-91541796456-cat.html#variant_id=5116877-91541796456</a>	
19.	Converter: Datavideo DAC-70 SD/HD/3G-SDI/VGA/HDMI Up/Down/Cross Converter / Scaler	01	49495.00	49495.00	<a href="https://mfp.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://mfp.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>	
20.	Compressor: 04 CH NVR H265 2 SATA up to 16 TB and Supports up to 4K resolution 5M IP Camera 25 FPS	01	12480.35	12480.35	<a href="https://mfp.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://mfp.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>	
21.	STEREO DISTRIBUTION AMPLIFIER-2 INPUT AND 4 SEPARATE INDIVIDUALLY ADJUSTABLE OUTPUTS	01	18500.00	18500.00	<a href="https://mfp.gem.gov.in/pa-mixer/stereo-distribution-amplifier-having-2-input-4-separate/p-5116877-14017351449-cat.html#variant_id=5116877-14017351449">https://mfp.gem.gov.in/pa-mixer/stereo-distribution-amplifier-having-2-input-4-separate/p-5116877-14017351449-cat.html#variant_id=5116877-14017351449</a>	
22.	Recorder and live streaming device- Lumens VS-LC200 MP-4/H.264	01	495000.00	495000.00	<a href="https://mfp.gem.gov.in/video-conferencing-media-encoder/lumens-recording-streaming-media-processor/p-5116877-65335108772-cat.html#variant_id=5116877-65335108772">https://mfp.gem.gov.in/video-conferencing-media-encoder/lumens-recording-streaming-media-processor/p-5116877-65335108772-cat.html#variant_id=5116877-65335108772</a>	
23.	Blackmagic: Video editing hardware HD pro capture card	01	70000.00	70000.00	<a href="https://mfp.gem.gov.in/media-control-systems-wireless-presentation-system/blackmagic">https://mfp.gem.gov.in/media-control-systems-wireless-presentation-system/blackmagic</a>	



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					<a href="#">design/p-5116877-55003462364-cat.html#variant_id=5116877-55003462364</a>	
24.	Rotating Camera : Globus Video Conferencing Camera, PTZ with Codec, 1080p, 60 FPS, tilt -30 to +90, CMOS sensors	01	134500.00	134500.00	<a href="https://mfp.gem.gov.in/video-conferencing-camera/video-conferencing-camera-with-wireless-speakephone/p-5116877-49948991624-cat.html#variant_id=5116877-49948991624">https://mfp.gem.gov.in/video-conferencing-camera/video-conferencing-camera-with-wireless-speakephone/p-5116877-49948991624-cat.html#variant_id=5116877-49948991624</a>	
25.	Canon EOS RP Mirrorless Camera Body with single Lens: RF 24 - 105 mm	01	179499.99	179499.99	<a href="https://mfp.gem.gov.in/dslr-compact-handheld-camera-video-cameras/canon-eos-rp-mirrorless-camera-body-with-single/p-5116877-85820270833-cat.html#variant_id=5116877-85820270833">https://mfp.gem.gov.in/dslr-compact-handheld-camera-video-cameras/canon-eos-rp-mirrorless-camera-body-with-single/p-5116877-85820270833-cat.html#variant_id=5116877-85820270833</a>	
26.	Projectors: Epson 970 XGA 3LCD Projector	02	66679.00	133358.00	<a href="https://mfp.gem.gov.in/multimedia-projector-mmp/epson-970-xga-3lcd-projector/p-5116877-12837268736-cat.html#variant_id=5116877-12837268736">https://mfp.gem.gov.in/multimedia-projector-mmp/epson-970-xga-3lcd-projector/p-5116877-12837268736-cat.html#variant_id=5116877-12837268736</a>	
27.	PCR room and Discussion room: 55" TV, LG, Full HD/ 4K smart TV, LG 55UU640C	02	53842.18	107684.36	<a href="https://mfp.gem.gov.in/tlevision-tv/lg-55-4k-ultra-hd-smart-television-tv/p-5116877-17816364167-cat.html#variant_id=5116877-17816364167">https://mfp.gem.gov.in/tlevision-tv/lg-55-4k-ultra-hd-smart-television-tv/p-5116877-17816364167-cat.html#variant_id=5116877-17816364167</a>	
28.	Live Room: Samsung 32" full HD TV	01	19999.00	19999.00	<a href="https://mfp.gem.gov.in/professional-large-format-display/full-hd-led-display/p-5116877-7671307649-cat.html#variant_id=5116877-7671307649">https://mfp.gem.gov.in/professional-large-format-display/full-hd-led-display/p-5116877-7671307649-cat.html#variant_id=5116877-7671307649</a>	
29.	PCR Room: DELL, 22" full HD monitors	02	8259.90	16519.80	<a href="https://mfp.gem.gov.in/liquid-crystal-display-lcd-panel-monitors/led-22-monitor/p-5116877-66342359607-cat.html#variant_id=5116877-66342359607">https://mfp.gem.gov.in/liquid-crystal-display-lcd-panel-monitors/led-22-monitor/p-5116877-66342359607-cat.html#variant_id=5116877-66342359607</a>	
30.	DIGITAL PODIUM: Intel core i5, 8 GB RAM, Windows 10 processor based metallic frame, LED display, 1 TB HDD.	01	150000.00	150000.00	<a href="https://mfp.gem.gov.in/electronic-lectern/digital-podium/p-5116877-49158735427-cat.html#variant_id=5116877-49158735427">https://mfp.gem.gov.in/electronic-lectern/digital-podium/p-5116877-49158735427-cat.html#variant_id=5116877-49158735427</a>	
31.	Joystick controller for rotating camera- LumensVS-K20, 14 cameras supported, Built-In dispaly	01	194040.00	194040.00	<a href="https://mfp.gem.gov.in/digital-keyboard-ptz-joystick-controller-ptz-cctv-cameras/professional-joystick-controller/p-">https://mfp.gem.gov.in/digital-keyboard-ptz-joystick-controller-ptz-cctv-cameras/professional-joystick-controller/p-</a>	



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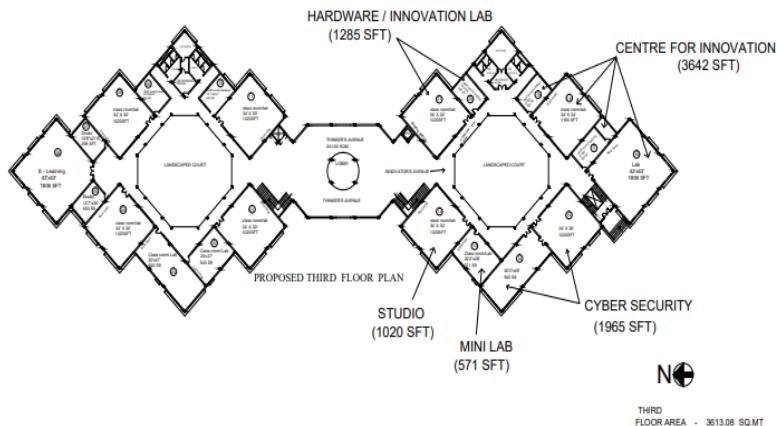
					<a href="#">5116877-73392522306-cat.html#variant_id=5116877-73392522306</a>	
32.	8-port network layer switch NETGEAR ProSAFE 8 Port 10/100 Network Switch with 4-Port Power over Ethernet NETGEAR) (NETGEAR FS108P)	01	13500.00	13500.00	<a href="https://mfp.gem.gov.in/layer-2-access-switch/netgear-prosafe-8-port-10-100-network-switch/p-5116877-43044619331-cat.html#variant_id=5116877-43044619331">https://mfp.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>	
33.	Projector Screen-(akamgo) (Akamgo - (PS-4K))	02	4725.00	9450.00	<a href="https://mfp.gem.gov.in/projector-screen/projector-screen-lcd-projector-screen-projector-screen-lcd/p-5116877-1584514259-cat.html#variant_id=5116877-1584514259">https://mfp.gem.gov.in/projector-screen/projector-screen-lcd-projector-screen-projector-screen-lcd/p-5116877-1584514259-cat.html#variant_id=5116877-1584514259</a>	
34.	Snake Cable: Canare A2V2L	50 mtr	1200/meter	60000.00	<a href="https://mfp.gem.gov.in/tel-communication-cable/canare-a2v2-l-snake-cable/p-5116877-69772673407-cat.html#variant_id=5116877-69772673407">https://mfp.gem.gov.in/tel-communication-cable/canare-a2v2-l-snake-cable/p-5116877-69772673407-cat.html#variant_id=5116877-69772673407</a>	
35.	Audio Snake Cable (Solution) (Solution SNAKE4C)	50 mtr	130/meter	6500.00	<a href="https://mfp.gem.gov.in/tel-communication-cable/audio-snake-cable/p-5116877-9124156543-cat.html#variant_id=5116877-9124156543">https://mfp.gem.gov.in/tel-communication-cable/audio-snake-cable/p-5116877-9124156543-cat.html#variant_id=5116877-9124156543</a>	
36.	Mic Stand: Ahuja Tripod Mic Stand (ahuja) (BMS -101 COMBO OF 2 PCS)	01	2097.00	2097.00	<a href="https://mfp.gem.gov.in/speaker-stand/ahuja-tripod-mic-stand/p-5116877-1137940387-cat.html#variant_id=5116877-1137940387">https://mfp.gem.gov.in/speaker-stand/ahuja-tripod-mic-stand/p-5116877-1137940387-cat.html#variant_id=5116877-1137940387</a>	
37.	HD-SDI, HDMI, CAT6 Cables and Connectors	6: HD MI (30 Mts)	HDMI 4560.00	27360.00	HDMI Cable <a href="https://mfp.gem.gov.in/tel-communication-cable/hdmi-cable-30meter-hdmi-cable-30meter-hdmi-cable/p-5116877-23365960975-cat.html#variant_id=5116877-23365960975">https://mfp.gem.gov.in/tel-communication-cable/hdmi-cable-30meter-hdmi-cable-30meter-hdmi-cable/p-5116877-23365960975-cat.html#variant_id=5116877-23365960975</a>	
38.	Slide Changer: Logitech Laser pointer	02	950.00	1900.00	<a href="https://mfp.gem.gov.in/visual-presenters/laser-pointer-slide-changer/p-5116877-10193518834-cat.html#variant_id=5116877-10193518834">https://mfp.gem.gov.in/visual-presenters/laser-pointer-slide-changer/p-5116877-10193518834-cat.html#variant_id=5116877-10193518834</a>	
39.	External hard disk-2TB, Sony	05	6200.00	31000.00	<a href="https://mfp.gem.gov.in/portable-hard-disk/sony-2-tb-external-hard-disk-usb-3/p-5116877-">https://mfp.gem.gov.in/portable-hard-disk/sony-2-tb-external-hard-disk-usb-3/p-5116877-</a>	



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					<a href="#">69490577397-cat.html#variant_id=5116877-69490577397</a>	
40.	HP 1005 PRINTER HP RADIAN- LaserJet with multi Function printer	01	24998.00	24998.00	<a href="https://mkp.gem.gov.in/oe_m-ribbon-cartridge/hp-1005-printer-hp-1005-printer-hp-1005/p-5116877-51836120840-cat.html#variant_id=5116877-51836120840">https://mkp.gem.gov.in/oe_m-ribbon-cartridge/hp-1005-printer-hp-1005-printer-hp-1005/p-5116877-51836120840-cat.html#variant_id=5116877-51836120840</a>	
41.	Chroma cloth (V & C)	10 met ers	340/meter	3400.00	<a href="https://mkp.gem.gov.in/specialty-fabrics-cloth-hdpe-fabrics/chroma-cloth/p-5116877-37957154605-cat.html#variant_id=5116877-37957154605">https://mkp.gem.gov.in/specialty-fabrics-cloth-hdpe-fabrics/chroma-cloth/p-5116877-37957154605-cat.html#variant_id=5116877-37957154605</a>	
42.	Sandisk 128 GB SD Memory Card (SanDisk) (SDSQUAR-128G-GN6MA)	06	2120.00	12720.00	<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>	
<b>Total Approximate Equipment Cost in Rupees</b>			<b>4193332.87</b>			

The location of the proposed JSS MMRC in the CS/ IS block and other details are shown in the following Table and figure.



SL NO	ROOM NO'S	AREA IN SFT	REMARKS	
12	R 301	1020	CLASS ROOM / LAB	STUDIO (1020 SFT)
13	R 302	571	CLASS ROOM / LAB	MINI LAB (571 SFT)
14	R 303	945	CLASS ROOM / LAB	CYBER SECURITY (1965 SFT)
15	R 304	1020	CLASS ROOM / LAB	
16	R 305	1806	CONFERENCE HALL	
17	R 306	420	STAFF ROOM (04 SEATINGS)	
18	R 307	1156	CLASS ROOM / LAB	
19	R 308	260	STAFF ROOM (04 SEATINGS)	
20	R 309	265	STAFF ROOM (04 SEATINGS)	
21	R 310	1020	CLASS ROOM / LAB	HARDWARE / INNOVATION LAB (1285 SFT)



The committee members suggested adding few more equipments and if required to propose the latest equipments for the JSS MMRC to the present list and taking approval. Accordingly the committee members had many meetings and following is the approved finalized list of equipments for JSS MMRC:

Sl. No	Device Type with make & Spec's	Qty.	Estimate d Unit Price in Rs.	Estimate d Total Cost in Rs.	GeM Link	Image	Remarks
1.	<b>Category:</b> DSLR/ COMPACT / HANDHELD CAMCORDER or VIDEO CAMERAS <b>Make and Model brief</b> <b>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://mfp.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://mfp.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</b> <b>Specification:</b> Tripod: miliboo Tripod with Kit Model No. MTT609A	03	23399/-	70197/-	<a href="https://mfp.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://mfp.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</b> <b>Specification:</b> Teleprompter: SAMVAD QUICK PRO 19 INCH), 4mm mirror	01	279070/-	279070/-	<a href="https://mfp.gov.in/teleprompter/samvad-teleprompter/p-5116877-27958132049-cat.html#variant_id=5116877-27958132049">https://mfp.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



	thickness, Software Licensed					
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://mfp.gov.in/switcher/multi-camera-video-switcher-live-production-unit/p-5116877-62926723453-cat.html#variant_id=5116877-62926723453">https://mfp.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.	<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	01	19800/-	19800/-	<a href="https://mfp.gov.in/media-control-systems-wireless-presentation-system/miniconverter-sdi-analog-blackmagic-design/p-5116877-80826865027-cat.html#variant_id=5116877-80826865027">https://mfp.gov.in/media-control-systems-wireless-presentation-system/miniconverter-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.	<b>Category:</b> > Consumer electronics > Audio and visual equipment > PA Speaker <b>Make and Model brief Specification:</b> Active monitor speaker: JBL- 5" Two-Way Powered Studio Monitor- LSR-305	01 set- 2 No	17199/-	17199/-	<a href="https://mfp.gov.in/pa-speaker/5-two-way-powered-studio-monitor/p-5116877-67474755648-cat.html#variant_id=5116877-67474755648">https://mfp.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.	<b>Category:</b> > Information Technology Broadcasting and Telecommunications > Computer Equipment and Accessories > Computer Displays	01	280000/-	280000/-	<a href="https://mfp.gov.in/liquid-crystal-display-lcd-panel-monitors/17-broadcast-monitor-sd-hd-">https://mfp.gov.in/liquid-crystal-display-lcd-panel-monitors/17-broadcast-monitor-sd-hd-</a>	 Equipment and Specification remains same, To be procured under PAC



	> 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 & 16: 9 Ratio				<a href="https://mfpge.m.gov.in/parts/sdi-hdmi-ports/p-5116877-51824912630-cat.html#variant_id=5116877-51824912630">sdi-hdmi-ports/p-5116877-51824912630-cat.html#variant_id=5116877-51824912630</a>	
8.	<b>Category:</b> Audio presentation and composing equipment and hardware and controllers > PA Mixer <b>Make and Model brief Specification:</b> PA MIXER YAMAHA (Yamaha) (YAMAHA MG20XU 20 INPUT 6 BUS MIXER)	01	40000/-	40000/-	<a href="https://mfpge.m.gov.in/parts/pa-mixer/pa-mixer-yamaha/p-5116877-57504829032-cat.html#variant_id=5116877-57504829032">https://mfpge.m.gov.in/parts/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.	<b>Category:</b> > Information Technology Broadcasting and Telecommunications > Data Voice or Multimedia Network Equipment or Platforms and Accessories > telephony equipment > pabx system-EPABX <b>Make and Model brief Specification:</b> Talkback Intercom system: Data Video ITC-100 Intercom System	01	292500 /-	292500 /-	<a href="https://mfpge.m.gov.in/parts/pabx-system-epabx/data-video-itc-100-intercom-system/p-5116877-41638799566-cat.html#variant_id=5116877-41638799566">https://mfpge.m.gov.in/parts/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.	<b>Category:</b> Domestic Appliances and Supplies and Consumer Electronic Products > Consumer electronics > Audio and visual	02	31410/-	62820/-	<a href="https://mfpge.m.gov.in/parts/mobile-phone/wireless-presenter-set-collar-mic/p-5116877-96599122776-cat.html#variant_id=5116877-96599122776">https://mfpge.m.gov.in/parts/mobile-phone/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



	equipment > Microphone <b>Make and Model brief</b> <b>Specification:</b> Wireless Presenter set (Collar Mic) (sennheiser) (Sennheiser XSW 2 ME2)				<a href="#"><u>nt_id=5116877-96599122776</u></a>		
11.	<b>Category:</b> > Domestic Appliances and Supplies and Consumer Electronic Products > Consumer electronics > Audio and visual equipment > Microphone <b>Make and Model brief</b> <b>Specification:</b> Wired SONY ECM-77B LAPEL COLLAR MICROPHONE	02	27750/-	55500/-	<a href="https://mfp.gov.in/microphone/sony-ecm-77b-lapel-collar-microphone/p-5116877-28244266628-cat.html#variant_id=5116877-28244266628">https://mfp.gov.in/microphone/sony-ecm-77b-lapel-collar-microphone/p-5116877-28244266628-cat.html#variant_id=5116877-28244266628</a>		Equipment and Specification remains same, To be procured under PAC
12.	<b>Category:</b> > Information Technology Broadcasting and Telecommunications > Computer Equipment and Accessories > Computers > All in One PC <b>Make and Model brief</b> <b>Specification:</b> Dell OptiPlex 5480 AIO 1000 @7200 rpm GB HDD 64 2 Processor with Height Adjustable Display All in one pc	02	117000/-	234000/-	<a href="https://mfp.gov.in/all-one-pc/dell-optiplex-5480-aio/p-5116877-98465435540-cat.html#variant_id=5116877-98465435540">https://mfp.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.	<b>Category:</b> > Information Technology Broadcasting and Telecommunications > Computer Equipment and Accessories > Computers > All in One PC	02	185219/-	370438/-	<a href="https://mfp.gov.in/all-one-pc/apple-mxwu2hn-app-27-inch-imac-with-retina/p-5116877-48265995357-cat.html#variant_id=5116877-48265995357">https://mfp.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



	<b>Make and Model brief specification:</b> Apple NA GB HDD 64 G Processor with Standard Display All in one pc				nt_id=5116877-48265995357		
14.	<b>Category:</b> > Domestic Appliances and Supplies and Consumer Electronic Products > Consumer electronics > Audio and visual equipment > PA Speaker <b>Make and Model brief Specification:</b> Sennheiser HD 380 Pro Headphones	02	12400/-	24800/-	<a href="https://mfp.gov.in/pa-speaker/sennheiser-hd-380-pro-headphones/p-5116877-52906204046-cat.html#variant_id=5116877-52906204046">https://mfp.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.	<b>Category:</b> > Domestic Appliances and Supplies and Consumer Electronic Products > Consumer electronics > Audio and visual equipment > PA Speaker <b>Make and Model brief Specification:</b> Sennheiser HD 280 Pro Headphones	04	3450/-	13800/-	<a href="https://mfp.gov.in/pa-speaker/sennheiser-hd-280-pro-headphones/p-5116877-42405022078-cat.html#variant_id=5116877-42405022078">https://mfp.gov.in/pa-speaker/sennheiser-hd-280-pro-headphones/p-5116877-42405022078-cat.html#variant_id=5116877-42405022078</a>		Earlier equipment was not available, Hence alternate equipment is given, , To be procured under PAC
16.	<b>Category:</b> Domestic Appliances and Supplies and Consumer Electronic Products > Consumer electronics > Audio and visual equipment > PA Speaker <b>Make and Model brief Specification:</b> Ahuja brand 60 Watts 2-Way Compact PA Wall Speakers (ahuja) (ASX-612BT)	04 Units	4755/-	19020/-	<a href="https://mfp.gov.in/pa-speaker/ahuja-brand-60-watts-2-way-compact-pa/p-5116877-5805551446-cat.html#variant_id=5116877-5805551446">https://mfp.gov.in/pa-speaker/ahuja-brand-60-watts-2-way-compact-pa/p-5116877-5805551446-cat.html#variant_id=5116877-5805551446</a>		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</b></p> <p><b>Specification:</b> SOUND CRAFT NOTE PAD-5 ANALOG MIXER- 1 Microphone Preamplifier</p>	01	9458/-	9458/-	<a href="https://mkp.gov.in/pamixer/analog-mixing-console/p-5116877-32536869684-cat.html#variant_id=5116877-32536869684">https://mkp.gov.in/pamixer/analog-mixing-console/p-5116877-32536869684-cat.html#variant_id=5116877-32536869684</a>		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</b></p> <p><b>Specification:</b> C214-Condenser Vocal Microphone (akg)</p>	01	37015/-	37015/-	<a href="https://mkp.gov.in/microphone/c214-condenser-microphone/p-5116877-91541796456-cat.html#variant_id=5116877-91541796456">https://mkp.gov.in/microphone/c214-condenser-microphone/p-5116877-91541796456-cat.html#variant_id=5116877-91541796456</a>		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</b></p> <p><b>Specification:</b> Converter: Datavideo DAC-70 SD/HD/3G- SDI/VGA/HDMI Up/Down/Cross Converter / Scaler</p>	01	56640/-	56640/-	<a href="https://mkp.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.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>		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</p> <p><b>Make and Model brief</b></p> <p><b>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.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.gov.in/video-recorder-cctv-system/4ch-nvr-h265-video-compression-1-sata-up/p-5116877-63985845836-cat.html#variant_id=5116877-63985845836</a>		Not Available at present
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</p> <p><b>Make and Model brief</b></p> <p><b>Specification:</b> STEREO DISTRIBUTION AMPLIFIER-2 INPUT AND 4 SEPARATE INDIVIDUALLY ADJUSTABLE OUTPUTS</p>	01	19991/-	19991/-	<a href="https://mkp.gov.in/pa-mixer/stereo-distribution-amplifier-having-2-input-4-separate/p-5116877-14017351449-cat.html#variant_id=5116877-14017351449">https://mkp.gov.in/pa-mixer/stereo-distribution-amplifier-having-2-input-4-separate/p-5116877-14017351449-cat.html#variant_id=5116877-14017351449</a>		Equipment and Specification remains same, To be procured under PAC
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</p> <p><b>Make and Model brief</b></p> <p><b>Specification:</b></p>	01	494000 /-	494000 /-	<a href="https://mkp.gov.in/video-conferencing-media-encoder/lumens-recording-streaming-media-processor/p-5116877-65335108772-cat.html#variant_id=5116877-65335108772">https://mkp.gov.in/video-conferencing-media-encoder/lumens-recording-streaming-media-processor/p-5116877-65335108772-cat.html#variant_id=5116877-65335108772</a>		Equipment and Specification remains same, To be procured under PAC



	Recorder and live streaming device- Lumens VS-LC200 MP-4/H.264				<a href="#">nt_id=5116877-65335108772</a>		
23.	<b>Category:</b> > Audio and visual presentation and composing equipment > VIDEO COMBIN VIDEO AUDIO PRESENT EQU HARDWARE CONTROL > media control systems or wireless presentation system <b>Make and Model brief</b> <b>Specification:</b> Blackmagic: Video editing hardware HD pro capture card	01	83000/-	83000/-	<a href="https://mfp.gov.in/media-control-systems-wireless-presentation-system/blackmagic-design/p-5116877-55003462364-cat.html#variant_id=5116877-55003462364">https://mfp.gov.in/media-control-systems-wireless-presentation-system/blackmagic-design/p-5116877-55003462364-cat.html#variant_id=5116877-55003462364</a>		Equipment and Specification remains same, To be procured under PAC
24.	<b>Category:</b> > Photographic or filming or video equipment > cameras > DSLR/ COMPACT / HANDHELD CAMCORDER or VIDEO CAMERAS <b>Make and Model brief</b> <b>Specification:</b> Panasonic live streaming camera AG-CX8 / AG-CX7	01	148250/-	148250/-	<a href="https://mfp.gov.in/printing-photographic-audio-visual-equipment-supplies/panasonic-handheld-camcorder-video-cameras/p-5116877-1023331489-cat.html#variant_id=5116877-1023331489">https://mfp.gov.in/printing-photographic-audio-visual-equipment-supplies/panasonic-handheld-camcorder-video-cameras/p-5116877-1023331489-cat.html#variant_id=5116877-1023331489</a>		Dropped rotatable camera as this is having in built WiFi/ Hence new equipment is given, To be procured under PAC
25.	<b>Category:</b> > Photographic or filming or video equipment > cameras > DSLR/ COMPACT / HANDHELD CAMCORDER or VIDEO CAMERAS <b>Make and Model brief</b> <b>Specification:</b> Nikon 45 MP Still DSLR APS Format (Nikon) (NIKON D850 24-120	01	264312/-	264312/-	<a href="https://mfp.gov.in/dslr-compact-handheld-camcorder-video-cameras/nikon-d850-24-120-lens/p-5116877-77219505736-cat.html#variant_id=5116877-77219505736">https://mfp.gov.in/dslr-compact-handheld-camcorder-video-cameras/nikon-d850-24-120-lens/p-5116877-77219505736-cat.html#variant_id=5116877-77219505736</a>		Earlier equipment was not available, Hence alternate equipment is given, To be procured under PAC



	LENS)						
26.	<p><b>Category:</b> Audio and visual presentation and composing equipment &gt; Projectors and Supplies &gt; Multimedia Projector (MMP)</p> <p><b>Make and Model brief</b></p> <p><b>Specification:</b> Projectors: Epson 970 XGA 3LCD Projector</p>	02	65800/-	131600/-	<a href="https://mfp.gov.in/multimedia-projector-mmp/epson-970-xga-3lcd-projector/p-5116877-12837268736-cat.html#variant_id=5116877-12837268736">https://mfp.gov.in/multimedia-projector-mmp/epson-970-xga-3lcd-projector/p-5116877-12837268736-cat.html#variant_id=5116877-12837268736</a>		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</p> <p><b>Make and Model brief</b></p> <p><b>Specification:</b> PCR room and Discussion roomSony Smart Television Tv 55 Inch LED Backlit LCD (Sony) (KD-55X7500H)</p>	02	71500/-	143000/-	<a href="https://mfp.gov.in/television-tv/sony-bravia-55-inch-4k-android-led-tv/p-5116877-93350696900-cat.html#variant_id=5116877-93350696900">https://mfp.gov.in/television-tv/sony-bravia-55-inch-4k-android-led-tv/p-5116877-93350696900-cat.html#variant_id=5116877-93350696900</a>		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</p> <p><b>Make and Model brief</b></p> <p><b>Specification:</b> Live Room: Sony 32" full HD TV W672G</p>	02	30530/-	61060/-	<a href="https://mfp.gov.in/television-tv/sony-32-inch-led-tv/p-5116877-29705248068-cat.html#variant_id=5116877-29705248068">https://mfp.gov.in/television-tv/sony-32-inch-led-tv/p-5116877-29705248068-cat.html#variant_id=5116877-29705248068</a>		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</p>	02	16040/-	32080/-	<a href="https://mfp.gov.in/liquid-crystal-display-lcd-panel">https://mfp.gov.in/liquid-crystal-display-lcd-panel</a>		Earlier equipment was not available, Hence alternate



	Equipment and Accessories > Computer Displays > Liquid Crystal Display LCD Panel or Monitors <b>Make and Model brief</b> <b>Specification:</b> PCR Room: Dell 67.5-69.5 CM Liquid Crystal Display LCD Panel or Monitors E2720HS				monitors/dell27monitor-e2720hs/p-5116877-85924717116-cat.html#variant_id=5116877-85924717116		equipment is 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</b> <b>Specification:</b> Digital Podium with i5/1T/Win10 with visualizer and power backup (Vectra) (VCi51TW10V5PB C-1)	01	295000/-	295000/-	<a href="https://mfp.gov.in/electronic-lectern/digital-podium-with-i5-1t-win10-with-visualiser/p-5116877-43756588813-cat.html#variant_id=5116877-43756588813">https://mfp.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</b> <b>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://mfp.gov.in/all-one-pc/hp-800g5-aio-touch-i7-9700-win10p/p-5116877-37325032309-cat.html#variant_id=5116877-37325032309">https://mfp.gov.in/all-one-pc/hp-800g5-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 Telecommunication	01	13500/-	13500/-	<a href="https://mfp.gov.in/layer-2-access-switch/netgear-">https://mfp.gov.in/layer-2-access-switch/netgear-</a>		Equipment and Specification remains same, To be



	s > Data Voice or Multimedia Network Equipment or Platforms and Accessories > network service equipment > Layer 2 Access Switch <b>Make and Model brief</b> <b>Specification:</b> 8-port network layer switch NETGEAR ProSAFE 8 Port 10/100 Network Switch with 4-Port Power over Ethernet (NETGEAR) (NETGEAR FS108P)				<a href="https://mkp.gov.in/projector-screen/projector-screen-lcd-projector-screen-projector-screen-lcd/p-5116877-43044619331-cat.html#variant_id=5116877-43044619331">prosafe-8-port-10-100-network-switch/p-5116877-43044619331-cat.html#variant_id=5116877-43044619331</a>		procured under PAC
33.	<b>Category:</b> Audio and visual presentation and composing equipment > Projectors and Supplies > Projector Screen <b>Make and Model brief</b> <b>Specification:</b> Projector Screen-(akamgo) (Akamgo - (PS-4K))	02	4725/-	9450/-	<a href="https://mkp.gov.in/projector-screen/projector-screen-lcd-projector-screen-projector-screen-lcd/p-5116877-1584514259-cat.html#variant_id=5116877-1584514259">https://mkp.gov.in/projector-screen/projector-screen-lcd-projector-screen-projector-screen-lcd/p-5116877-1584514259-cat.html#variant_id=5116877-1584514259</a>		Equipment and Specification remains same, To be procured under PAC
34.	<b>Category:</b> > Power Generation and Distribution Machinery and Accessories > Electrical wire and cable and harness > electrical cable and accessories > telecommunication cable <b>Make and Model brief</b> <b>Specification:</b> Snake Cable: Canare A2V2L	50 mtr	1200 / meter	60000/-	<a href="https://mkp.gov.in/telecommunication-cable/canare-a2v2-l-snake-cable/p-5116877-69772673407-cat.html#variant_id=5116877-69772673407">https://mkp.gov.in/telecommunication-cable/canare-a2v2-l-snake-cable/p-5116877-69772673407-cat.html#variant_id=5116877-69772673407</a>		Not Available at present
35.	<b>Category:</b> > Power Generation and Distribution Machinery and	50 mtr	130 / meter	6500/-	<a href="https://mkp.gov.in/telecommunication-cable/canare-a2v2-l-snake-cable/p-5116877-69772673407-cat.html#variant_id=5116877-69772673407">https://mkp.gov.in/telecommunication-cable/canare-a2v2-l-snake-cable/p-5116877-69772673407-cat.html#variant_id=5116877-69772673407</a>		Not Available at present



	<p>Accessories &gt; Electrical wire and cable and harness &gt; electrical cable and accessories &gt; telecommunication cable</p> <p><b>Make and Model brief</b></p> <p><b>Specification:</b> Audio Snake Cable (Solution) (Solution SNAKE4C)</p>				<a href="#">cable/audio-snake-cable/p-5116877-9124156543-cat.html#variant_id=5116877-9124156543</a>		
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</b></p> <p><b>Specification:</b> <b>Ahuja Tripod Mic Stand (BMS-101 COMBO)</b></p>	01	2097/-	2097/-	<a href="#">https://mfp.gov.in/speaker-stand/ahuja-tripod-mic-stand/p-5116877-1137940387-cat.html#variant_id=51168</a>		<b>Not Available at present</b>
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</b></p> <p><b>Specification:</b> HD-SDI, HDMI, CAT6 Cables and Connectors</p>	05	<p>HDMI (30 Mts)</p> <p>CAT6 34/1 meter</p>	22800/-	<p>HDMI Cable  <a href="#">https://mfp.gov.in/telecommunication-cable/hdmi-cable-30meter-hdmi-cable-30meter-hdmi-cable/p-5116877-23365960975-cat.html#variant_id=5116877-23365960975</a></p>		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</b></p>	02	2349/-	4698/-	<a href="#">https://mfp.gov.in/visual-presenters/laser-pointer-slide-changer/p-5116877-10193518834-cat.html#variant_id=5116877</a>		Equipment and Specification remains same, To be procured under PAC



	<b>Brief Specification:</b> Slide Changer: Logitech Laser pointer				<a href="#"><u>-10193518834</u></a>		
39.	<b>Category:</b> > Information Technology Broadcasting and Telecommunications > Components for information technology or broadcasting or telecommunications > media storage devices > portable hard disk <b>Make and Model brief Specification:</b> External hard disk- 2TB, Sony	05	7798/-	38990/-	<a href="https://mkp.gov.in/portable-hard-disk/sony-2-tb-external-hard-disk-usb-3/p-5116877-69490577397-cat.html#variant_id=5116877-69490577397">https://mkp.gov.in/portable-hard-disk/sony-2-tb-external-hard-disk-usb-3/p-5116877-69490577397-cat.html#variant_id=5116877-69490577397</a>		Equipment and Specification remains same, To be procured under PAC
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.gov.in/oem-ribbon-cartridge/hp-1005-printer-hp-1005-printer-hp-1005/p-5116877-51836120840-cat.html#variant_id=5116877-51836120840">https://mkp.gov.in/oem-ribbon-cartridge/hp-1005-printer-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	06	595/-	3570/-	<a href="https://mkp.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.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



	USB 3.1 Drive (SanDisk) (SDDDC2-032G-)					
42.	<b>Category:</b> Components for information technology or broadcasting or telecommunication s > media storage devices > Memory Card <b>Make and Model brief</b> <b>Specification:</b> Sandisk 128 GB SD Memory Card (SanDisk) (SDSQUAR-128G-GN6MA)	06	1795/-	10770/-	<a href="https://mkp.gov.in/memory-card/sandisk-128-gb-sd-memory-card/p-5116877-58062932476-cat.html#variant_id=5116877-58062932476">https://mkp.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 lakhs eighty thousand six hundred and 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.

**Following is the list of furniture proposed to procure to TEQIP office at institution level.**

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</b> <b>Specification:</b> Featherlite REVOLVING CHAIR With ARM central tilt	04 Coordinator-01 Office-01 PCR-02	23500/-	94000/-	<a href="https://mkp.gov.in/revolving-chair/oc-1-optima-hb/p-5116877-41545660348-cat.html">https://mkp.gov.in/revolving-chair/oc-1-optima-hb/p-5116877-41545660348-cat.html</a>		Item and Specification remains same, To be procured under PAC
02	<b>Category:</b> > Furniture and Furnishings > Commercial and Industrial furniture > Office Furniture > Revolving	10 AV Editors-04 Meeting room-06	9348/-	93480/-	<a href="https://mkp.gov.in/revolving-chair/astro-high-back-featherlite/p-5116877-">https://mkp.gov.in/revolving-chair/astro-high-back-featherlite/p-5116877-</a>		Item and Specification remains same, To be procured under PAC



	Chair <b>Make and Model brief Specification:</b> Featherlite REVOLVING CHAIR With ARM push back (ASTRO HB)				<a href="#">16687790129-cat.html#variant_id=5116877-16687790129</a>		
03	<b>Category:</b> Furniture and Furnishings > Commercial and Industrial furniture > Office Furniture > Counter Chair (Bar/Pub) <b>Make and Model brief Specification:</b> Counter Chair - 822603	04 Studio chair-4	4000/-	16000/-	<a href="https://mfp.gov.in/counter-chair-bar-pub/counter-chair-bar-pub-822603/p-5116877-87266076796-cat.html#variant_id=5116877-87266076796">https://mfp.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	<b>Category:</b> > Furniture and Furnishings > Commercial and Industrial furniture > Office Furniture > 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	01 Unit- 2 seater sofa	24310/-	24310/-	<a href="https://mfp.gov.in/sofa-set-steel-tube/s-900-2-seater/p-5116877-97308509293-cat.html#variant_id=5116877-97308509293">https://mfp.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	<b>Category:</b> > Furniture and Furnishings > Commercial and Industrial furniture > Office Furniture > Sofa Set (Steel Tube) <b>Make and Model brief Specification:</b> Featherlite Single Seater TUBULAR STEEL SOFA	02 Units- 1 seater sofa	15558/-	31116/-	<a href="https://mfp.gov.in/sofa-set-steel-tube/s-900-1s/p-5116877-72450397715-cat.html#variant_id=5116877-72450397715">https://mfp.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



	SET made of SS 304 Round pipe Diameter 25 Mm x 1.6 Mm Thick Chrome Plated						
06	<b>Category:</b> Furniture and Furnishings > Commercial and Industrial furniture > Office Furniture > Chairs-Office- IS 3499 <b>Make and Model brief</b> <b>Specification:</b> Featherlite OFFICE / VISITOR CHAIRS with Seat D X W X H 450 mm 470 mm 430 Seat	05 Office and reception usage	4896/-	24480/-	<a href="https://mkg.gov.in/chairs-office-3499/forum-va-sb/p-5116877-94887807685-cat.html">https://mkg.gov.in/chairs-office-3499/forum-va-sb/p-5116877-94887807685-cat.html</a>		Item and Specification remains same, To be procured under PAC
07	<b>Category:</b> > Furniture and Furnishings > Commercial and Industrial furniture > Office Furniture > Almirah Steel- IS:3312 <b>Make and Model brief</b> <b>Specification:</b> Featherlite STEEL ALMIRAH 1800 mm 4 SHELVES	02 Unit- 4 shelves	17099/-	34198/-	<a href="https://mkg.gov.in/almirah-steel-featherlite-steel-almirah/p-5116877-11066122726-cat.html">https://mkg.gov.in/almirah-steel-featherlite-steel-almirah/p-5116877-11066122726-cat.html</a>		Item and Specification remains same, To be procured under PAC
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</b> <b>Specification:</b> Usha Dominaire Pedestal Fan	03	7175/-	21525/-	<a href="https://mkg.gov.in/pedestal-fan-usha-dominaire-pedestal-fan-600mm/p-5116877-23388397159-cat.html#variant_id=5116877-23388397159">https://mkg.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



	600MM (Usha international Limited) (Usha Dominaire Pedestal Fan)					
			<b>3,39,109/-</b>			
<b>Total estimated cost in words:</b>		Rupees three lakhs thirty-nine thousand one hundred and nine only				

Following is the list of furniture proposed to procure to TEQIP office already approved

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 central tilt	05	23500/-	1,17,500.00	<a href="https://mkgem.gov.in/revolving-chair/oc-1-optima-hb/p-5116877-41545660348-cat.html">https://mkgem.gov.in/revolving-chair/oc-1-optima-hb/p-5116877-41545660348-cat.html</a>		Item and Specification remains same, To be procured under PAC
02	<b>Category:</b> > Furniture and Furnishings > Commercial and Industrial furniture > Office Furniture > Almirah Steel- IS:3312 <b>Make and Model brief Specification:</b> Featherlite STEEL ALMIRAH 1800 mm 4 SHELVES	03 Unit- 4 shelves	17099/-	51,297.00/-	<a href="https://mkgem.gov.in/almirah-steel/featherlite-steel-almirah/p-5116877-11066122726-cat.html">https://mkgem.gov.in/almirah-steel/featherlite-steel-almirah/p-5116877-11066122726-cat.html</a>		Item and Specification remains same, To be procured under PAC
<b>Total estimated cost in words:</b>				<b>1,68,797.00</b>			
<b>Total estimated cost in words:</b>				Rupees One Lakh Sixty Eight Seven Hundred Ninety Seven 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.

The committee members approved to procure the equipments for the JSS MMRC and furniture for TEQIP office.

**Approved**



### S10.3.2.2 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 the procurement should be made from Government e-Market. The departments have submitted the revised equipments details as per GeM. 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.	<p>Category: DIGITAL CONDUCTIVITY METER</p> <p>Make and Model brief Specification: (Labtronics Conductivity Meters) (LT-51)</p> <p>Conductivity, its ranges and resolutions</p> <p>Measurable</p> <p>Conductivity range</p> <p>Auto ranging Maximum of measuring Range for conductivity (mS/cm)</p> <p>200.0 - 4000.0 Or higher</p> <p>Number of Ranges (Nos.) 4 Or higher</p> <p>Resolution (<math>\mu</math>S/cm) 0.0 - 0.01 Or lower</p> <p>Temperature compensation and power</p> <p>Type of Temperature Compensation</p> <p>Automatic</p>	02	13,000.00	26,000.00	<a href="https://mkp.gem.gov.in/digital-conductivity-meter/micropressor-cond-tds-salinity-temp-meter/p-5116877-10684641422-cat.html#variant_id=5116877-10684641422">https://mkp.gem.gov.in/digital-conductivity-meter/micropressor-cond-tds-salinity-temp-meter/p-5116877-10684641422-cat.html#variant_id=5116877-10684641422</a>		<p>Equipment and Specification remains same</p> <p>To be procured under PAC</p>
2.	<p>Category: BOD INCUBATOR / COOLING INCUBATOR</p> <p>Make and Model brief Specification: (REMI) (CI-6 Plus)</p> <p>DESIGN Features available in</p> <p>BOD Incubator</p> <p>Air circulation fan,</p> <p>Removable tray,</p> <p>Temperature sensor,</p> <p>Door hinges,</p> <p>Door handle with lock &amp; key, Safety thermostat, Refrigeration system,</p> <p>Power cord, Solid door, Heater,</p> <p>Temperature High/Low Safety alarm</p>	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>		<p>Equipment and Specification remains same</p> <p>To be procured under PAC</p>



	Optional Features available in BOD Incubator Digital event timer, illumination with 3 fluorescent 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					
3.	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	04	1,00,000.00	4,00,000.00	<a href="https://mfp.gem.gov.in/chemical-oxygen-demand-cod-digesting-unit/cod-digester-digital-reactor-block/p-5116877-10784294549-cat.html#variant_id=5116877-10784294549">https://mfp.gem.gov.in/chemical-oxygen-demand-cod-digesting-unit/cod-digester-digital-reactor-block/p-5116877-10784294549-cat.html#variant_id=5116877-10784294549</a>	 Equipment and Specification remains same To be procured under PAC
4.	Category: MAGNETIC STIRRERS Make and Model brief Specification: (DROLAX) (DROLAX-12-MLH) CONFIGURATION AND FEATURES	04	19,125.00	76,500.00	<a href="https://mfp.gem.gov.in/magnetic-stirrers/magnetic-stirrer/p-5116877-70032157281-cat.html#variant_id=5116877-70032157281">https://mfp.gem.gov.in/magnetic-stirrers/magnetic-stirrer/p-5116877-70032157281-cat.html#variant_id=5116877-70032157281</a>	 Equipment and Specification remains same To be procured



	Number of stirring Positions 1 Calibration Manual 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						under PAC
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	01	18,499.00	18,499.00	<a href="https://mfp.gem.gov.in/table-top-autoclave/autoclave-vertical/p-5116877-48726478243-cat.html#variant_id=5116877-48726478243">https://mfp.gem.gov.in/table-top-autoclave/autoclave-vertical/p-5116877-48726478243-cat.html#variant_id=5116877-48726478243</a>		Equipment and Specification remains same To be procured under PAC



	Number of Trays in steriliser chamber 2, 3, 4, 5 Or higher Steriliser Loading Type: Top Loading					
	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 1.4GHz.	10	10,295.00	1,02,950.00	<a href="https://mfp.gem.gov.in/random-access-memory/raspberry-pi-foundation-raspberry-pi-4b-8gb-ram/p-5116877-35769167202-cat.html#variant_id=5116877-35769167202">https://mfp.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 specification s are slightly modified.  To be procured under PAC
2.	Category: <b>ARDUINO UNO Module For Education (VINY TICS) (VIN-ARD)</b> Make and Model brief Specification: ATmega328, 5V Microchip AVR (8-bit) SRAM, Flash, EEPROM	10	1,999.00	19,990.00	<a href="https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/arduino-uno-module-education/p-5116877-85244354764-cat.html#variant_id=5116877-85244354764">https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/arduino-uno-module-education/p-5116877-85244354764-cat.html#variant_id=5116877-85244354764</a>		Equipment and specification s remain the same.  To be procured under PAC
3.	Category: <b>16 in1Sensor 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>	10	9,440.00	94,400.00	<a href="https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/diy-16-1-sensor-modules-kit-arduino-raspberry/p-5116877-27749002268-cat.html#variant_id">https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/diy-16-1-sensor-modules-kit-arduino-raspberry/p-5116877-27749002268-cat.html#variant_id</a>		Equipment and specification s remain the same.  To be procured under PAC



	<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>				<a href="#">d=5116877-27749002268</a>		
4.	<p>Category:</p> <p><b>DC Regulated Power Supply</b></p> <p>Make and Model brief Specification:</p> <p><b>SCIENTECH TECHNOLOGY (SCIENTECH AD-01)</b></p> <p><b>220+/- 10%, 50 Hz, Single Phase AC, Output</b></p> <p><b>Voltage: 0 to 32V, 12V to 15V, 4.50 to 5.50V.</b></p>	10	15,000.00	1,50,000.00	<a href="https://mfp.gem.gov.in/dc-regulated-power-supply/dc-regulated-power-supply/p-5116877-59785608969-cat.html#variant_id=5116877-59785608969">https://mfp.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:</p> <p>Digital Storage Oscilloscope (DSO)</p> <p>Make and Model brief Specification:</p> <p>Digital SO - 30MHz Bandwidth, 220 V AC,</p>	5	24,700.00	1,23,500.00	<a href="https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/digital-storage-oscilloscope-30-mhz/p-5116877-67438583885-cat.html">https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/digital-storage-oscilloscope-30-mhz/p-5116877-67438583885-cat.html</a>		<p>CRO (proposed earlier) changed to DSO having advanced features with modified specifications.</p> <p>To be procured under PAC.</p>
6.	<p>Category:</p> <p>Function Generator</p> <p>Make and Model brief Specification:</p> <p><b>2 MHZ Function</b></p>	10	10,800.00	1,08,000.00	<a href="https://mfp.gem.gov.in/information-technology-broadcasting-telecommunications/p-5116877-67438583885-cat.html">https://mfp.gem.gov.in/information-technology-broadcasting-telecommunications/p-5116877-67438583885-cat.html</a>		<p>Equipment remains same but the specification</p>



	<b>Generator Trainer (VINYTI CS) (VIN-2FGN)</b> On board digital meter				<a href="https://ns2-mhz-function-generator-trainer.p-5116877-93486074864-cat.html">ns2-mhz-function-generator-trainer.p-5116877-93486074864-cat.html</a>		s 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-nework-trainer-kit-educational-purpose/digital-ic-trainer-kit-vinyticas/p-5116877-83043045700-cat.html">https://mkp.gem.gov.in/two-port-nework-trainer-kit-educational-purpose/digital-ic-trainer-kit-vinyticas/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 . N o	Equipment	Qty	Estimated unit price	Estimated Amount	Gem Link	Image of equipment	Remarks
1a)	<p>Communication trainer kits Category: Two-port-network-trainer-kit-educational-purpose</p> <p>Make model and brief specification: Digital Communication Trainer Kit (VINYTICS) (DCT) Availability of DC Voltmeter and ammeter on board with ICs.</p>	5	22,499.00	1,12,495.00	<a href="https://mfp.gem.gov.in/two-port-nework-trainer-kit-educational-purpose/digital-communication-trainer-kit/p-5116877-80067477722-cat.html#variant_id=5116877-80067477722">https://mfp.gem.gov.in/two-port-nework-trainer-kit-educational-purpose/digital-communication-trainer-kit/p-5116877-80067477722-cat.html#variant_id=5116877-80067477722</a>		<p>Equipments and specifications remains same To be purchased under PAC.</p>
1 b)	<p>FDM trainer kits Category: network-theorem-kit-educational-purpose</p> <p>Make model and brief specification: <b>FDM Frequency Division Multiplexing &amp; De-multiplexing (SIN COM) (SA-250)</b></p>	3	15,000.00	45,000.00	<a href="https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/fdm-frequency-division-multiplexing-demultiplexing/p-5116877-35466057263-cat.html#variant_id=5116877-35466057263">https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/fdm-frequency-division-multiplexing-demultiplexing/p-5116877-35466057263-cat.html#variant_id=5116877-35466057263</a>		<p>Equipments and specifications remains same To be purchased under PAC.</p>
2	<p>Function generator 2 to 25MHz Category: function-generator</p> <p>Make model and brief specification: Siglent 10 MHz to 25 MHz Frequency 2 channel function generator (Siglent) (Siglent Model: SDG1032X)</p>	5	30,900.00	1,54,500.00	<a href="https://mfp.gem.gov.in/function-generator/30mhz-2-channel-150msa-s-arbitrary-function-waveform/p-5116877-43779873339-cat.html#variant_id=5116877-43779873339">https://mfp.gem.gov.in/function-generator/30mhz-2-channel-150msa-s-arbitrary-function-waveform/p-5116877-43779873339-cat.html#variant_id=5116877-43779873339</a>		<p>Equipments and specifications remains same To be purchased under PAC.</p>



3	Microwave setup Category: Network-theorem-kit-educational-purpose Make model and brief specification: <b>Laser Experimental Setup with He-Ne Laser (Complete Setup) (AARSON) (RSP-1026)</b>	1	82,500.00	82,500.00	<a href="https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/laser-experimental-setup-with-he-ne-laser-complete/p-5116877-3784612525-cat.html#variant_id=5116877-3784612525">https://mfp.gem.gov.in/network-theorem-kit-educational-purpose/laser-experimental-setup-with-he-ne-laser-complete/p-5116877-3784612525-cat.html#variant_id=5116877-3784612525</a>		Equipments and specifications remains same To be purchased under PAC.
4	Multi meter device Category: Digital-multi meter Make model and brief specification: <b>Digital Multimeter Hand Held 50 KHz Digital Multi meter (digital multimeter) (fluke 115)</b>	10	430.00	4300.00	<a href="https://mfp.gem.gov.in/digital-multimeter/fluke-115-digital-multi-meter/p-5116877-96056077263-cat.html#variant_id=5116877-96056077263">https://mfp.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://mfp.gem.gov.in/network-theorem-kit-educational-purpose/fiber-optic-communication-trainer-kit/p-5116877-27848456786-cat.html#variant_id=5116877-27848456786">https://mfp.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: <b>Scientific with 2 year warranty (Scientific) (Scientific PSD4032B) Dual channel</b>	5	17,400.00	87,000.00	<a href="https://mfp.gem.gov.in/dc-power-supply/dual-channel-dc-power-supply/p-5116877-53900064531-cat.html#variant_id=5116877-53900064531">https://mfp.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  <b>Make model and brief specification:</b> <b>VINYTICS LED interfacing and Relay interfacing</b> <b>4 Onboard Switches</b> <b>Microcontroller Educational Kit (VINYTICS) (VIN-IOT)</b>	15	20,400.00	3,06,000.00	<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.
8	Spectrum Analyzer (3GHZ)  <b>Category:</b> <b>spectrum-analyzers-vector-network-analyzers</b>  <b>Make model and brief specification:</b> <b>RIGOL 9 kHz to 3 GHz Spectrum analyzers (RIGOL) (Rigol DSA832E)</b>	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.
		Grand Total		10,69,794.00 (Rupees Ten lakh sixty nine thousand seven hundred ninety four)			

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.

The committee members approved to procure the equipments for the departments.

**Approved**

### **S10.3.2.3 Equipments and Learning Resources for Innovation lab**

Following are the equipments proposed by various department for the proposed Innovation Lab. The details of the equipments are as follows.

Sl No	Equipment	GEM Product ID	Quantity	Price Per Unit	Amount in Rs
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>	

**Department of Electrical and Electronics Engineering**

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 megaHertz 2 channels Analog Oscilloscope (Mars) (GME 3060)	5116877-4861031143	2	84500.00	169000.00
12	30 megaHertz 2 channels Analog Oscilloscope (Mars) (GME 3030)	5116877-11123291484	2	37980.00	75960.00
13	Signal Generator GENERATOR (APLAB) (APLAB MSG3M)	5116877-28180186687	5	14400.00	72000.00
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>	

The committee members suggested deferring the procurement of equipments related to innovation laboratory.

### S10.3.2.3 New proposals

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

Department	Equipment	Qty	Amount in Rs
Civil Engineering	Disc Pelletizer	01	350000.00
Electronics & Instrumentation	Thermal Camera	01	349869.00
Mechanical Engineering	NX totaling Machine (10 license) Solid Edge 2020 UG- Software (30 License)		1300000.00
Industrial Production & Engineering (25 Nos)	Desk top computers	60	3600000.00
Chemistry(03 nos)			
Physics (02 Nos)			
Placement & Training office (03 Nos)			
Administration office, SJCE & Joint Director TDE, R E Civil office, JSS S&TU (27 Nos)			
All departments	Web camera for online teaching	75	250000.00
All departments	Digital Pad	13	150000.00
<b>Total</b>			<b>5650000.00</b>

The committee members suggested deferring the procurement of new equipments proposed.



### S10.3.3 Academic Processes

#### S10.3.3.1 Improve Student Learning

(Activities include: IIT/ NIT training to students at IIT/NIT or in parent institute; Induction Training; GATE Preparation Classes; Career Counselling, Student Counselling; 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.)

The following proposals have been received from different departments and the details are shown in the following table:

#### Revised Proposals – already conducted

SL No	Name of the coordinator	Dept	Date of event	Title of programme	Estimated amount in Rs.
1.	Dr. A N Santhosh Kumar Prof. Bhavana U Prof. Bindhu A S Prof. Abhinandan M S	Mech	01.09.2020 to 03.09.2020	3 days Webinar on “Engineering Management & Entrepreneurship Series - II” Resource person: Pradosh Nath, KnIDS Dr. S Bhaskar, Trainer, AIMA, Mr. Sharath B S, CEO TRIUMPH investments	6000.00 <b>(3000.00)</b>
Sub Total					3000.00

#### Revised proposals – To be conducted:

SL No	Name of the coordinator	Dept	Date of event	Title of programme	Estimated amount in Rs.
1.	Dr. Pushpalatha M P	CSE	12.12.2020 & 13.12.2020	Organizing HACKELITE 2.0	18500.00
2.	Dr. Sowmya C	IPE	11.01.2021	Webinar on “ The rise of Graphene Composite” Speaker: Dr Prashantha H G, IIT, Madras	2000.00
Sub Total					20500.00

GATE 2020 examination is proposed to be held in the month of Feb 2020. All the head of Departments have been informed to provide the GATE registered students details. It is proposed to refund the registration fee to the students who have appeared the GATE 21 examinations. The approximate budget amount is Rs. 250000.00

#### **Noted and Approved**

#### S10.3.3.2 Graduates Employability

(Activities include: Start up activity; Soft Skill training (Industry Readiness); Finishing Schools, etc.)

The following proposal has been received from department of E&EE and the details are shown in the following table:

SL No	Name of the coordinator	Dept	Date of event	Title of the programme	Estimated amount in Rs.
1	Dr. M Shashikala Mrs. Rekha M N Ms. Neethi M Mrs. Sowmyashree	EEE	04.01.2021 to 08.01.2021 (Rescheduled)	Workshop on “ Python for Electrical Electronics Engg applications” Resource person: Prof. R S Ananda Murthy	10000.00

#### **Noted and Approved**



### **S10.3.3.3 Faculty/Staff Development and Motivation**

(Activities include: Short Term Training Programmes (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 Upgradation; Support Staff training, etc.)

Approval is sought for the following proposals 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 - Already Conducted**

SL No	Name of the coordinator	Dept	Date of event	Title of the programme	Estimated amount in Rs.
1.	Dr. M G Veena	ECE	24.08.2020 to 04.09.2020	Fabrication of Electronic Devices using Nanomaterials	22300.00
2.	Dr. Siddaramaiah	PST	27.07.2020 to 31.07.2020	Quality control and safety in polymer and allied industries	15000.00 (10,830.00)
3.	Dr. Siddaramaiah	PST	10.08.2020 to 14.08.2020	Advanced/Smart processing Technologies	15000.00 (11,560.00)
4.	Mrs. Vani H Y & Dr. Anusuya MA	CSE ISE	05.11.2020	Awareness program on “Cyber Security”	3000.00 (2500.00)
<b>Sub Total</b>					47,190.00

#### **To organize workshops/FDP/Symposium/Conference – to be conducted**

SL No	Name of the coordinator	Dept	Date of event	Title of the programme	Estimated amount in Rs.
1.	Dr. C Nataraju	Civil	Jan 2021	Five Day webinar on “Recent Avenues in Civil Engineering- RACE 2020”	10000.00
<b>Sub Total</b>					10000.00

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

Sl No	Name of Faculty	Date of event	Title of the programme	Organization	Estimated amount in Rs.
1.	Mr. Vinayaprasad M S; ECE	25.07.2020 to 10.08.2020	Two week online FDP on Managing online classes and co creating Moocs 3.0	Teaching learning centre Ramanujan College, University of Delhi	750.00
2.	Mr. Shashidhar R ECE	06.11.2020 to 08.11.2020	Oral presentation in IEEE International conference for Innovation in Technology 2020	Nagarjuna College of Engg & Technology, Bangalore	8700.00 (7500.00)
3.	Mr. Halesh M R ECE	10.08.2020	Two week online FDP on Managing online classes and co creating MooCs 3.0	Teaching Learning Centre Ramanujan College, University of Delhi	750.00
4.	Dr. Rudraswamy S B; ECE	10.08.2020	Two week online FDP on Managing online classes and co creating MooCs 3.0		750.00
5.	Mr. Halesh M R ECE	2.07.2020 to 17.07.2020	Two week online FDP on Advanced Concepts for Developing MooCs		760.00
6.	Dr. Rudraswamy S	2.07.2020	Two week online FDP on		760.00



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	B; ECE	to 17.07.2020	Advanced Concepts for Developing MooCs		
7.	Dr. Mallikajunaswamy M S E&I	25.07.2020 to 10.08.2020	Two week online FDP on Managing online classes and co creating MooCs 3.0		750.00
8.	Dr. Mallikajunaswamy M S E&I	02.07.2020 to 17.07.2020	Two week online FDP on Advanced Concepts for Developing MooCs		760.00
9.	Supreetha M, ECE	10 <sup>th</sup> September 2020 to 11 <sup>th</sup> Nov 2020	National initiative for Technical Teachers training	NITTTR Chennai,	10000.00
10.	Megha K M, ECE				10000.00
11.	Ms. Kavyashree M K, ECE				10000.00
12.	Dr.Srinath S, CSE	25.07.2020 to 10.08.2020	Online FDP on Managing online classes and co creating MooCs 3.0	Teaching learning centre Ramanujan College, University of Delhi	750.00
13.	Ms. Brunda, CSE				750.00
14.	Mr. Divakar .N, CSE				750.00
15.	Ms. Ashritha R Murthy, CSE	01.07.2020 to 16.07.2020	FDP on : Advanced concepts for developing MooCs	University of Delhi	760.00
16.	Mr. Madhu sudan M P, ECE	10 <sup>th</sup> September 2020 to 11 <sup>th</sup> Nov 2020	National Initiative for Technical Teachers training	AICTE and MHRD	3000.00
17.	Mr. Shashidhara R, ECE				3000.00
18.	Mr. Yashwanth S D, ECE				3000.00
19.	Mr. Praveen Kumar M S, ECE				3000.00
20.	Mr. Puneeth KM, ECE				3000.00
21.	Mr. Chandrashekhar Murthy B N, ECE				3000.00
22.	Mr. Vinayaprasad M S, ECE				3000.00
23.	Ms. Sahana M, ENV		National initiative for Technical Teachers Training under	AICTE and MHRD	3000.00
24.	Ms. Priyanka V, BT		Online program “National initiative for Technical Teachers training	AICTE and MHRD	10000.00
25.	Ms. Savitha Ulavi, ENV	05.06.2020	Online course on “ Air Quality modeling	IITM,CSIR, NERI, Delhi	500.00
26.	Babu K S, E&I	08.06.2020	Nano composite and Nanomaterials and its characterization	Vimal Jyothi Engineering College, Chemeri Kannur, Kerala	500.00

**Noted and Approved**

**S10.3.3.4 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 project; 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**

Sl No	Name	Dept	Date of event	Title of the programme	Organization	Estimated amount In Rs.
1.	Naveen J	CSE	27.08.2020 &	Scopus indexed Springer international conference on	JCT college of Engineering &	9500.00
2.	Chethana S					



3.	Srihari Charith		28.08.2020	Intelligent Data communication Technologies and Internet of Things	Technology, Coimbatore	
4.	Fathima Nimra Khan, M.T .ech	ISE	06.11.2020 to 08.11.2020	IEEE International conference for innovation in Technology 2020 Paper Traffic Mishap Injury Serity : An Unsupervised approach	Bangalore	7500.00
5.	Noor Fathima	ISE	10.09.2020 to 12.09.2020	International conference on smart electronics and communication (ICOSEC 2020)	Kongunadu college of Engineering Namakkal	7000.00
6.	Sachin B C	ECE	Dec 2020	IEEE Conference-2020	VIT, Pune	4720.00

#### **Seed Money for Project work**

Sl No	Name	Dept	Guide	Project title	Estimated amount In Rs.
1.	Ms. Sapna Unni C K Research Scholar	Chemistry	Dr. Muneera Begum	Synthesis and characterization of derivatives of heterocyclic compounds and their biological activities	40000.00
2.	Mrs. Deepika Research Scholar	Chemistry	Dr. Muneera Begum	Schiff base complexes	17319.00
3.	6 <sup>th</sup> Sem students	ECE	Mr. Shashidhara R	Completely automated Real Time prototype for mask detection & Temperature tracking using supervised learning with infrared camera assistance	41400.00
4.	Mr. Nanjundaswamy S	Chemistry	Dr. Mallu P	Synthesis and characterization of Pyridine Chalcones	63000.00 (62625.00)

#### **Seed Money for Faculty R&D**

Sl No	Dept	Name	Particulars	Amount in Rs
1.	Chemistry	Mr. Nagendra Prasad H S	Helicoverpa armigera Nuclear Polyhedrosis virus detection in agriculture field using piperazine probe	50000.00
2.	ECE	Dr. M G Veena	Development of varistors by incorporating rare earth Nano fillers	45000.00
3.	Physics	Dr. Sandeep K M	Zinc oxide based flexible piezoelectric nano generators in energy harvesting applications	38900.00

The above proposals have been approved after deliberations.

#### **Noted and Approved**

#### **S10.3.3.5 MOOCs and Digital Learning**

(Activities include: Certification fees for online courses (MOOC's); Development of MOOC's/ Online courses, etc.)

Following faculty members and students of different departments have obtained certification of NPTEL- SWYAM online courses.

SL No	Name of Faculty and Dept	Description	Amount in Rs
1.	Mr. Prashanath V P, CTM	Advanced concrete Technology	1000.00
2.	Ms. Sheela N Rao, E&I	Sensors and actuators	1100.00
3.		Medical Image analysis	1100.00



4.	Ms. Chaya H P, E&I	Sensors and actuators	1100.00
5.		Real Time operating system	1100.00
6.	Dr. Nanda S	Introduction to Machine learning	1100.00
7.		Medical image Analysis	1100.00
8.	Dr. K Umarani, E&I	Accreditation and outcome Based Learning	1100.00
9.		NBA Accreditation and Teaching Learning in Engineering (NATE)	1100.00
10.		Biomedical Signal Processing	1100.00
11.	Ms. Anusha M U, E&I	Introduction Machine Learning	1100.00
12.		Medical Image analysis	1100.00
13.		Sensors and actuators	1100.00
14.	Ms. Ashwini G, E&I	Sensors and actuators	1100.00
15.		Medical Image analysis	1100.00
16.	Dr. Shailaja K, E&I	Accreditation and outcome Based Learning	1100.00
17.		NBA Accreditation and Teaching Learning in Engineering (NATE)	1100.00
18.	Dr. Roopa S, PST	Fabrication Techniques for MEMS-based sensors clinical practice	1100.00
19.		Solid and hazardous waste management	1000.00

### **Noted and Approved**

#### **S10.3.3.6 Mentoring/Twinning system**

(should at least spend 5% 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)

Following proposal have been received by different departments to organize workshops /FDP/ Symposium/ Conference

SL No	Name of the coordinator	Dept	Date of event	Title of the programme	Estimated amount in Rs.
1.	Mr. Y C Arun	Mech	22.07.2020	Webinar on smart automation for the students of VI sem & VII Sem	3000.00
2.	Mr. M Kumar				
3.	Mr. M V Mahesh				
4.	Dr. A N Santhosh Kumar Ms. Bhavana Ms. Bindhu A S Mr. Abhinandan M S	Mech	05.08.2020 to 07.08.2020	3 days webinar on Engineering Management & Entrepreneurship	6000.00
5.	Dr. A N Santhosh Kumar Ms. Bhavana Ms. Bindhu A S Mr. Abhinandan M S	Mech	05.08.2020 to 07.08.2020	One days webinar on Additive Manufacturing, 3D Printing and its application	3000.00
6.	Mr. Pradeep Kumar V G Dept of Mech	Mech	24.08.2020 to 28.08.2020	Online FDP on “Modeling and simulation of structural mechanics and CFD Analysis using MATLAB and ANSYS	22000.00
7.	Dr. Srinidhi R	Mech	12.08.2020 to 14.08.2020	3 days Webinar on “Cryogenics and its applications	10000.00
8.	Dr. Srinath S	CSE	03.11.2020	Workshop on GeM Portal usage Resource person: Gowtham, GeM Facilitator, Karnataka	4000.00
9.	Mr. Revanna C	PE	19.10.2020	Webinar on Health & physical	10000.00



## **TEQIP Phase-III 10<sup>th</sup> BoG Subcommittee Meeting – 9<sup>th</sup> November 2020**

		to 23.10.2020	Fitness exercises prescription Health and nutrition during COVID-19	
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Under R&D, Department of PST have received samples from Textile Chemistry and Mechanical Engineering Departments of MLV Textile and Engineering College, Bhilwara for testing and analysis. The charges for testing is Rs. 70446.00

### **Noted and Approved**

#### **S10.3.3.7 Reforms & Governance**

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

Following are the details of expenses incurred and to be incurred for BoG/ BoG subcommittee meetings

SL No	Description	Estimated amount in Rs.
1.	10 <sup>th</sup> BoG Subcommittee expenditure to be held on 11 <sup>th</sup> Nov 2020	5000.00

### **Noted and Approved**

#### **S10.3.3.8 Management Capacity Development**

Leadership online talk on “Leading in the Digital economy” by Ms. Reena Sonigrah on 08.08.2020

### **Noted and Approved**

#### **S10.3.3.9 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)*

- Team of faculty members from department of Environmental Engg proposed to visit Effluent Treatment Plant of Pai and Pai chemicals, Bangalore and Sewage treatment plant of BWSSB, Bangalore to study the treated wastewater use for agriculture purpose. The cost of travel and sample analysis charges is Rs. 16000.00
- Nine M.Tech students of Department of E&EE – online internship course registration fee of Rs. 17893.00.
- Webinar Series (7 Nos) for students of Department of Environmental Engineering by central pollution control board experts remuneration charges is Rs. 10000.00.
- Online webinar for students of ECE on “Satellites aided Search and rescue Services for air crafts ships and individuals – System and its functionalities” experts remuneration charges is Rs. 5000.00.

### **Noted and Approved**



**S10.4 Incremental Operating Cost**

Following are the expenses required for different activities of TEQIP III

<b>Sl No</b>	<b>Particulars</b>	<b>Amount in Rs</b>
1.	Umesh R Associates - Internal Audit Fees	25000.00
2.	Telephone expenses August 2020 to Dec 2020)	2500.00
3.	Office expenses (tea/ coffee for meetings, consumables – August 2020 to Dec 2020	10000.00
4.	Stationary and other expenditure	10000.00

**Noted and Approved**

**S10.5 Any others with the permission of Chair**

TEQIP III has earned an IRG amount of Rs. 22,22,858.41 as on 3<sup>rd</sup> September 2020. With the permission of the Registrar, JSS STU (Letter no.: TED/JCE/TEQIP/FIN/2015-16/160 dated 17.10.2020) an amount of Rs. 22,00,000.00 has been kept as fixed deposit at Punjab National Bank, SJCE branch (FD account no. 395000PU00011497 dated 28.10.2020) for a period of one year (Date of Maturity: 28.10.2021) with a maturity value of Rs. 23,16,650.00.

**Noted and Approved**

Dr. B. Manoj Kumar  
TEQIP –III coordinator

Dr. S B Kivade  
Principal