MINUTES OF THE 27th MEETING OF THE SENATE

held at 3.00 P. M. on 19th February, 2020

Venue : Senate Hall, Second Floor,
Admn Block, SLIET Campus,
Longowal (Sangrur) Punjab

Date : 19th February, 2020
Time : 3.00 P. M.

SANT LONGOWAL INSTITUTE OF ENGG. & TECHNOLOGY
(Deemed to be University)
(CFTI under MHRD, Govt. of India)
LONGOWAL -148 106 (Distt. Sangrur), Punjab, India

APPENDIX-1

The following members attended the meeting :-

Dr.Shailendra Jain, Director	Chairman	Dr.A.S.Arora, Dean(Acad)	Internal Member
Dr.J.S.Dhillon, Dean (FSW)	Internal Member	Dr. A.P.Singh, Prof, ECE	Internal Member
Dr.Sanjay Marwaha, HOD, EIE	Internal Member	Dr. A. Marwaha, HOD, ECE	Internal Member
Dr.Manpreet Kaur, Prof, EIE	Internal Member	Dr. Dalip Kumar, Prof, ECE	Internal Member
Dr.Damanpreet Singh,Prof,CSE	Internal Member	Dr.Sushma Gupta,HOD, Maths	Internal Member
Dr.Bir Mohan Singh, Prof	Internal Member	Dr. K. S. Kahlon, Prof, PHY	Internal Member
Dr.M.B.Bera, Prof, FET	Internal Member	Dr. A. S. Dhaliwal, Prof, PHY	Internal Member
Dr.D.C.Saxena, Dean (SW)	Internal Member	Dr. M. M. Sinha, HOD, PHY	Internal Member
Dr.Kamlesh Prasad, HOD, FET	Internal Member	Dr. Rajesh Kumar, HOD, ME	Internal Member
Dr.Vikas Nanda, Prof, FET	Internal Member	Dr. Pardeep Gupta, Prof, ME	Internal Member
Dr.Charanjiv Saini, Prof, FET	Internal Member	Dr. A. S. Shahi, Prof, ME	Internal Member
Dr.S.M.Ahuja, Prof, CHE	Internal Member	Dr. Kulwant Singh, Prof, ME	Internal Member
Dr.Pushpa Jha, Prof, CHE	Internal Member	Dr. R.K. Saxena, Prof, ME	Internal Member
Dr.Kamlesh Kumari, Prof, CHE	Internal Member	Dr. Jagtar Singh, Prof, ME	Internal Member
Dr.H.R.Ghatak, Prof, CHE	Internal Member	Dr. R. K. Yadav, Prof, ME	Internal Member
Dr.Avinash Thakur, HOD, CHE	Internal Member	Dr. P. K. Dhiman, Prof, M&H	Internal Member
Dr.B.K.Kanungo, Prof, CHY	Internal Member	Dr. P. K. Khanna, HOD, M&H	Internal Member
Dr.Dhiraj Sud, Prof, CHY	Internal Member	Dr. Mahesh Arora, Prof, M&H	Internal Member
Dr.Damanjit Singh, HOD, CHY	Internal Member	Dr. Sanjeev Bansal, Prof, M&H	Internal Member
Dr.S.S.Dhaliwal, Prof, Maths	Internal Member	Dr. Jap Preet Kaur, Prof, M&H	Internal Member
Dr.R.K.Guha, Prof, Maths	Internal Member	Er. Diljinder Singh, AsP, EIE	Internal Member
Dr.Anil Singla, AsP, ME	Internal Member	Ms. Anshuka Bansal, AsP, EIE	Internal Member
Dr.Sanjeev Garg, HOD, Civil	Internal Member	Mr. Ravindra Kumar, Registrar	Ex-Officio Non-Member Secy

The following external / internal members could not attend the meeting :-

Mr. Narinder Mohan, Director, Eastman Cast & Forge Limited, Ludhiana	External Member	Dr. Savita Gupta, Professor, Deptt of Computer Science & Engineering, PU, Chandigarh	External Member
Dr. Pramod Agarwal, Professor, Deptt of Electrical Engineering, IIT, Roorkee	External Member	Dr. Sanjeev Kumar, Professor, Deptt of Mechanical Engineering, PEC, Chandigarh	External Member
Dr. J. S. Sahambi, Professor, Deptt of Electrical Engineering IIT, Ropar	External Member	Dr. Kulwinder Mann, Professor, Information Technology, GNDEC, Ludhiana	External Member
Dr. B. S. Khatkar, Professor Deptt of Food Technology, GJU, Hisar	External Member	Dr. V. K. Jain, Prof Deptt of EIE, SLIET	Internal Member
Dr. H. K. Chopra, Dean (P&D)	Internal Member	Dr. J. R. Sharma, Prof, Maths	Internal Member
Dr. P. S. Panesar, Dean (R&C	Internal Member	Dr. R. K. Mishra, Prof, Maths	Internal Member
Dr. J. S. Ubhi, Prof, ECE	Internal Member	Dr. S. S. Verma, Prof, PHY	Internal Member
Dr. Ajay Pal Singh, Prof, ECE	Internal Member	Dr. K. S. Mann, Prof, PHY	Internal Member
Dr. Manoj Sachan, HOD, CSE	Internal Member	Dr. P. K. Singh, Prof, ME	Internal Member
Dr. Major Singh Guraya, Prof, CSE	Internal Member	Dr. Shankar Singh, Prof, ME	Internal Member
Dr. P. Kumar, Prof, CSE	Internal Member	Dr. Arvind Jayant, Prof, ME	Internal Member
Dr. Sukhcharan Singh, Prof, FET	Internal Member	Dr. P. K. Jain, Prof, M&H	Internal Member
Dr. C. S. Riar, Prof, FET	Internal Member	Dr. Surita Maini, Prof & CW (GH)	Internal Member
Dr. Ram Pal Chaudhary, Prof, CHY	Internal Member	Mr. Vivek Kumar, AP, ME	Internal Member
Dr. Mandeep Singh, Prof, Maths	Internal Member	Dr. Vinod Kumar Verma, AP, CSE	Internal Member
Dr. Vinod Mishra, Prof, Maths	Internal Member	Ms. Subhita Bhagat, AP, CHE	Internal Member

MINUTES OF THE 27TH MEETING OF THE SENATE OF SLIET, HELD AT 3.00 P. M. ON 19TH FEBRUARY, 2020 IN THE SENATE HALL, 2ND FLOOR, ADMINISTRATIVE BLOCK

A list of members who attended and who could not attend the 27th meeting of the Senate, held on 19.02.2020, is placed at ***Appendix-1.***

At the outset, Director (Chairman, Senate) welcomed all the members to the 27th meeting of the Senate of SLIET, held at 3.00 P. M. on 19.02.2020.

Dean (Academics) presented his report related to various students/academic/other activities, a copy of which is placed at ***Appendix-2***.

Thereafter, the agenda items were taken up for discussion. The following decisions were taken by the Senate :-

Item 27.1	**TO CONFIRM THE MINUTES OF THE 26TH MEETING OF THE SENATE, HELD ON 19.12.2019**
	The minutes of the 26TH meeting of the Senate of Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, held on 19.12.2019, were circulated to all the members of the Senate. A copy of the MOM is placed at ***Annexure-"A" (page 1 to 10).*** Since no comments have been received from any of the members on the Senate, it is requested that the minutes of the 26TH meeting of the Senate, SLIET, held on 19.12.2019, may please be confirmed.
	Decision Confirmed
Item 27.2	**TO NOTE ACTION TAKEN REPORT ON THE MINUTES OF THE 26TH MEETING OF THE SENATE HELD ON 19.12.2019**
	As per decisions taken on the agenda items placed before the Senate in its 26TH meeting held on 19.12.2019, various office orders, notices, circulars, letters etc. have been issued within the Institute, for information and further necessary action by the HODs and Sections Incharge, wherever needed. This is for information of the Senate, please.
	Decision Noted
Item 27.3	**TO RATIFY / CONFIRM THE MINUTES OF THE MEETING OF THE CENTRAL RESEARCH COMMITTEE OF SLIET, HELD ON 10.02.2020**
	A meeting of the Central Research Committee of the Institute was held on 10.02.2020. A copy of the MOM of this meeting is placed at ***Annexure-"B" (page 11 to 17)*** for ratification / confirmation by the Senate, please.
	Decision Ratified / Confirmed
Item 27.4	**TO RATIFY / CONFIRM THE MINUTES OF THE 6TH MEETING OF THE RESULT MODERATION BOARD OF THE INSTITUTE HELD ON 21.01.2020**
	The sixth meeting of the Result Moderation Board (RMB) of the Institute was held on 21.01.2020. A copy of the MOM is placed at ***Annexure-"C" (page 18)*** for ratification/ confirmation by the Senate, please.
	Decision Ratified / Confirmed

Item 27.5	**TO RATIFY / CONFIRM THE RESULTS OF END SEMESTER EXAMINATIONS HELD IN THE MONTH OF NOVEMBER, 2019 AND REPEAT / RETEST EXAMINATIONS HELD PRIOR TO NOVEMBER, 2019**
	The award sheets for the end semester examinations held in the month of November, 2019 and repeat/retest examinations held prior to November, 2019 have been received in the academic section from all the teaching departments. Based on the same, academic section has declared results with the approval of Director. The detailed analysis of the results of the regular examinations shall be presented during the meeting. The matter is placed before the Senate for ratification / confirmation, please.
	Decision Ratified / Confirmed Some of the Senate members suggested to place a graphical presentation of result analysis, in place of tabular format. The data analytics team will take the necessary action for better presentation of results in statistical and graphical format.
Item 27.6	**TO RATIFY / CONFIRM SEAT MATRIX FOR VARIOUS PROGRAMS DURING THE ACADEMIC YEAR 2020-21**
	The seat matrix for various programs during the year 2020-21 has been approved by Director, SLIET, as per the following details. A copy of the same is placed at ***Annexure - "D" (page 19 to 21).*** ICD : 425 UG : 622 (direct entry + LEET etc) PG : 192 (M. Tech + M. Sc.) M. B. A. excluded Total : **1239** The matter is placed before the Senate for ratification / confirmation please.
	Decision Ratified / Confirmed. It is unanimously resolved to defer implementation of balance 5% EWS (i.e. total 12.5%) increase in intake for the year 2020-21 in view of hostel and other constraints. The comments received through email from Dr. Sanjeev Bansal, Prof (M&H) were discussed in detail. It was found that these are the general views expressed by him. All the admissions have been done in accordance with the rules framed by the Statutory Bodies and duly approved / ratified by the Senate and BOM. For the creation and augmentation of infrastructure and other facilities (especially hostels) for the admitted students, the following committee is constituted :- 1. Dr. A. P. Singh, Prof (ECE) - Convener 2. Dr. Avinash Thakur, Prof & EO (Oftg)/Nominee - Member 3. Dr. Anil Singla, AsP (ME) - Member 4. Nominee of Dean (SW) - Member The committee shall submit its report / recommendations within a period of one month after the notification, to the office of Dean (Acad) for taking further necessary action.
Item 27.7	**TO RATIFY / CONFIRM INCREASE IN FEES TO BE CHARGED FROM THE STUDENTS OF VARIOUS PROGRAMS TO BE ADMITTED IN THE INSTITUTE DURING THE ACADEMIC YEAR 2020-21**
	A committee was constituted to recommend the increase in fee for various programs for the students to be admitted during 2020-21. The report of the Committee is placed at ***Annexure - "E" (page 22 to 25)***. The matter is placed before the Senate for ratification / confirmation, please.

	Decision Ratified / Confirmed, except Ph. D. programs. In view of concern raised by some members, committee is requested to review fee for Ph. D. programs. Dr. J. S. Dhillon, Prof (EIE) is included in the committee as a special invitee.
Item 27.8	**TO APPROVE AWARD OF CERTIFICATES/DIPLOMAS/DEGREES TO THE PASS OUT STUDENTS OF VARIOUS PROGRAMS DURING THE 22ND ANNUAL CONCOVATION TO BE HELD ON 07.03.2020**
	The details of the students who have passed out their various programs in the year 2019 are as under :- ICD 2017 batch : 302 (after completion of two year certificate) ICD 2016 batch : 343 UG 2015 batch : 480 PG 2017 batch : 125 * Ph. D. : 30 * *The data is as on 06.02.2020. However, it is proposed that the cut-off date for submission of final thesis by the PG and Ph. D. students may be fixed as 02.03.2020, i.e. five days prior to the holding of 22nd Annual Convocation on 07.03.2020. They shall be awarded their certificates/diplomas/degrees during the 22nd annual convocation of the Institute to be held on 07.03.2020. Besides above, the following are the details of students who shall be awarded gold/silver medals during the 22nd Annual Convocation :- ICD 2017 batch : 12 Gold Medals, 13 Silver Medals ICD – 2016 : 07 Gold Medals, 07 Silver Medals UG – 2015 : 08 Gold Medals, 08 Silver Medals PG – 2015 : 10 Gold Medals, 10 Silver Medals The matter is placed before the Senate, for approval, please.
	Decision Approved. However, on 26.02.2020, academic section has intimated the following actual data regarding number of pass out students :- ICD 2017 batch : 370 (after completion of two year certificate) ICD 2016 batch : 396 UG 2015 batch : 477 PG 2017 batch : 115 Ph. D. : 34 These students shall be awarded certificates/diplomas/degrees during the Certificate Award Ceremony and 22nd Annual Convocation on 04.03.2020 and 07.03.2020, respectively. In the agenda, the words "the cut-off date for submission of final thesis by the PG..." are replaced with the words "the cut-off date for final viva-voce by the PG...". The request of Mr. Mukesh Kumar, GWT/SL/14/4719, was discussed. The Senate decided that he is not eligible for the award of Gold Medal, under the rules. Further, taking into account that Mr. Mukesh Kumar has maintained a good academic record after initial set back, he should be given a letter of appreciation by Dean (Acad).
Item 27.9	**TO CONSIDER AND APPROVE REVIVAL OF AWARDS UNDER DEVI DEEPAK MEMORIAL TRUST**
	During the past, some meritorious students of the Institute were given awards under the Devi Deepak Memorial Trust, which was established in the name of two deceased students. However, the awards under this Trust could not be given during the last three-

	four years, due to various reasons. Now, it has been confirmed from the accounts regarding availability of funds under this Trust. The details are as under, as on 06.02.2020 :- SB Account No. 3156 : Funds available – Rs.1,24,570/- Fixed Deposit : Funds available – Rs.1,26,899/- (FD shall mature in the year 2023) It is proposed that this Trust may be revived. Further action shall be taken by the Academic Section. The matter is placed before the Senate for consideration and approval, please.
	Decision The matter was elaborated in detail. The following committee is constituted to give its report / recommendation for revival of award under "Devi Deepak Memorial Trust" :- 1. Dr. A. P. Singh, Prof (ECE) - Convener 2. Dr. K. S. Kahlon, Prof (PHY) - Member 3. Dr. R. K. Saxena, AD (AP) - Member 4. Dr. P. K. Khanna, Prof (M&H) - Member 5. DR (Acad) - Member The Academic Section shall provide all the related documents (as available with them) to the committee to proceed further in the matter. The Senate authorized the above committee to explore the revival of such other awards for the benefit of the students. The committee shall submit its report / recommendations within a period of fifteen days after the notification, to the office of Dean (Acad) for taking further necessary action.

The meeting ended with a vote of thanks to the Chair.

27/02/2020

Director-cum-Chairman,
Senate, SLIET, Longowal.

APPENDIX-2

SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY LONGOWAL - 148 106 (DISTT. SANGRUR, PUNJAB)

REPORT OF DEAN (ACADEMICS) TO THE 27th MEETING OF THE SENATE HELD ON 19.02.2020 HIGHLIGHTING VARIOUS ACADEMIC/STUDENTS ACTIVITIES IN THE INSTITUTE

1. ***Progress on NBA accreditation of UG programs***

The Institute has conveyed five seats of dates to the NBA for visit of their expert team to SLIET, Longowal, for accreditation of six UG programs.

2. **On continuous follow up by SLIET, the NBA have informed that now SLIET can file PQs for the accreditation of UG Program in the CSE department. Further action has already been initiated by HOD/CSE and the task shall be completed by the end of Feb, 2020 by him).**

(A) Department of Food Engg & Tech

HOD (FET) has informed that Mr. Shubhra Shekhar, GFT/18202015 (a student of UG program) has attended in-plant training at Nestle India Limited, Moga, during the winter vacation of 2019-20. He was assigned a project work titled "Identification of possible reasons for variability in moisture content of finished cup noodles and possible corrective measures". The company has issued a certificate to HOD (FET) with the wording "we appreciate his contributions and we will benefit from the outcome of his project recommendations. He displayed good team spirit and conducted himself in a professional manner".

The Senate is requested to please take note of the appreciation letter issued to this student.

(B) Report on AICTE Residential Faculty Development Program (FDP) on Student Induction program under Universal Human Values

A residential Faculty Development Program (FDP) on Student Induction under Universal Human Values was conducted successfully from 04th to 10th January, 2020, at SLIET, Longowal.

The FDP was inaugurated on 04th January 2020, the purpose of the FDP was to provide a common platform for the teachers and professionals in the technical institutions to aware the students and inculcate moral and human value among them. **Dr. Ajay Pal Singh, Local Coordinator welcomed all participants and gave the overview of the program.**

A total of about 68 participants registered for this program, out of which 55 attended the program (Internal participants - 36, External participants - 19)

Dr. Atul Dhar provided a detailed insight. on the different paradigms of acquiring the continuous state of happiness with the emphasis on the role of education-sanskar in realizing this state.

The last day ended with discussions by the participants. Their view points and suggestions were well taken and registered in the form of written feedback. FDP ended with vote of thanks.

The Senate is requested to please take note of this activity.

(C) Selection in Start-up at Istanbul

Mr. Tatvabodh Arya, a final year Degree student has informed that he has been selected for the start-up Istanbul Summit-2020, after several rounds of rigorous interviews and pitching. He has made it to the list of top 5% of startups from the world and has received a personal email from CEO of the organization.

The Senate is requested to please take note of the efforts of this student.

(D) Sports Department

Following are the major events/achievements of Sports Department for academic session 2019-20 :-

Sr. No.	Tournament	Date
01.	Inter Technical Athletics Tournament (B&G) @Thapar Institute, Patiala **Girls:-** 1. 800m :-**2nd Position** 2. 400m:-**3rd Position** 3. Long Jump:-**2nd Position** 4. Shotput:-**2nd Position** 5. 4*400m relay:-**2nd Position** 6. 4*100m relay:- **3rd Position** **Boys:-** 1. Javelin Throw:-**2nd Position** 2. Shotput:-**2nd Position**	11.04.2019 to 13.04.2019
02.	Inter Technology University Volleyball Tournament Boys@Thapar Institute, Patiala **3rd Position**	11.04.2019 to 13.04.2019
03.	Fit India	29.08.2019
04.	Inter Technical University Volleyball(B&G) Tournament @ NIT Kurukshetra **Boys:- 2nd Position** **Girls:- 3rd Position**	14.09.2019 to 16.09.2019
05.	Inter Technical University Basketball(B&G) Tournament @ NIT Kurukshetra **(Participation)**	14.09.2019 to 16.09.2019
06.	Inter Technical University Yoga(B&G) Tournament @ NIT Kurukshetra **Boys:- 3rd Position**	14.09.19 to 16.09.2019
07.	Inter Technical University Football Tournament @ THAPAR University **(Participation)**	02.10.2019 to 04.10.2019
08.	Inter Technical University Cricket Tournament @ THAPAR University **Boys:- 4th Position**	02.10.2019 to 04.10.2019
09.	Run for Unity (B&G)	31.10.2019

The Senate is requested to please take note of the above mentioned sports activities.

(E) EIE Department

Expert Talk on "Smart AC-DC Grid"

An Expert talk delivered by Dr. Narayana Prasad Padhy, PhD, FNAE, FIET, FIE, SMIEEE Professor and Institute Chair Department of Electrical Engineering Indian Institute of Technology Roorkee, India, on 04.02.2020.

He discussed very important issue during his talk about AC smart grid, which are the control mechanism, operational mechanism, when it is connected to grid and, also in autonomous or islanded gird operation. He discussed in detail related to DC micro grid, or DC smart grid too. But main fcus was on both AC smart grid as well as DC micro grid.

Director SLIET, Prof. Shailendra Jain, Dr A.S Arora, Dean (Acad.) and Prof. Sanjay Marwaha (HOD EIE) were also present during the talk along with faculty of EIE and UG/PG students. Dr. Amanpreet Singh, CoE, IKGPTU Jalandhar also attended the session. The session was very interesting and enriched the audiance.

Workshop on topic "IOT on Arduino" (two days)

The Department of EIE organized workshop on topic "IOT on Arduino" (two days) on February 15-16. 2020. Prof. K.S. Srinivasa Professor, Dept. of Information Mgmt & Coordination, NITTTR, Chandigarh was the keynote speaker.

The students of the EIE department attended and benefitted from practical oriented workshop. Prof. Sanjay Marwaha (HOD EIE) also attended the workshop and presented token of love to the expert for his informative and knowledgeful talks.

Workshop on "IoT with Python" (2 days workshop)

Softpro Technologies Pvt. Ltd, organised a workshop on "IoT with Python" on 8 - 9 February 2020. This was one of the premiere workshops organised under techFEST'20 and attended by 120+ students who dedicated their college off-hours towards developing their programming skills for better employability. The workshop commenced with an introductory session by Ms. Yashi Ashthana, CEO, Softpro Technologies Pvt. Ltd who shared her noteworthy experiences with the keen students following which the workshop was headed forward by Mr. Rohit Kumar, who had a unique way of teaching his pupils. He tried to bridge the formal communication gap between teacher & student by removing all sorts of apprehensions & formalities. The workshop

was split into three sessions. The session concluded with a hands-on session where the students could try out the circuit themselves. The workshop concluded with a valedictory ceremony attended by Hon'ble Director Prof. Shailendra Jain, Dean (Acad.) Prof. A.S Arora, Chairman techFEST'20 Dr. Manpreet Singh Manna and Vice Chairman techFEST20 Ms. Anshuka Bansal.

TECHFEST-2020 Pre Activities

FUN CRICKET

The Fun Cricket is organised by Techfest-2020 core committee under pre activity at SLIET. The Director SLIET Inaugurated the Fun Cricket series on 5th Feb, 2020 by batting the first ball of the deries in which 90 teams played matches from 5-15 Feb., 2020 in SLIET cricket stadium. The semi-final and Grand finale would take place in the end of this month.

(F) Department of Mech Engg

SLIET Team Juggernauts participated in "Gokart Design Chalengage" at Coimbatore (TN) and secured overall third position, Best Design and Best Captain Award. The team participated under Dr. Shankar Singh, Prof (Mech Enge), SLIET.

PROGRESS REPORT OF TEQIP-III FOR NEXT MEETING OF SENATE

ACADEMIC ACTIVITIES (January to February 2020)

I. STTP/ Conference Organized for faculty members: -Following academic activities have been organized by different departments of the institute during this period:

Sr. No.	Name of the Activity	Department	Duration	Schedule
1.	23rd Punjab Science Congress	SLIET Longowal	Three Day	7th-9th February 2020
2.	Workshop on "DFT and its applications using Gaussian Software under Twinning Arrangement at NIT UK (Jaipur Campus)	Chemistry	One Week	24th-28th February 2020
3.	STTP on "PLC Drives and Industrial Automation"	EIE, ECE	One Week	2nd to 6th March 2020

II. Remedial Classes:

Remedial classes for weak students have been arranged by Department of Mathematics. An honorarium Rs@ 1000/- (Rs. One Thousand only) per hour has been approved by competent authority as per the pervious practice with 20 to 40 lectures per course per semester under TEQIP-III funds.

Name of the faculty member	Department	Duration
Ms. Paramjit Kaur	Math	January-March 2020
Ms. Kavita Sharma		

III. Training Programme/Workshop for UG students:

Sr. No.	Name of the Activity	Deptt.	Duration	Schedule	No. of Students
1.	Workshop on "Industrial Motivational Campaign for Youth"	ME	Two Days	19th-20th February 2020	55

IV.GATE Training:

The GATE Training **for a duration of 160 hours for 238 UG students (final year)** was successfully conducted in the institute by M/s Engineers Academy, Jaipur under TEQIP-III.

V. Minor Research Project under TEQIP-III:

(i) Student projects were invited through Ref. No. SLIET/Dean (R&C)/2019/396 dated 14.08.2019. As per recommendations of the Evaluation Committees, following project proposals have been sanctioned under TEQIP- III:

Sr. No.	Project Title	Faculty Advisor	Estimated Budget in Rs.
1.	Design & Development of intelligent emergency task management system for bedridden patients	Dr. Dilip Kumar, Prof. (ECE) Er. Sarabjeete Singh, AP (ECE)	40,800.00
2.	Development on Non-contact vibration measurement system using optical feedback	Dr. Surita Maini, Prof. (EIE)	44,600.00
3.	Intelligent Irrigation "Enhancing Agricultural Productivity With IoT"	Dr. Manmohan Singh, AsP (EIE) Er. Asim Ali Khan, AsP (EIE)	22,000.00
4.	Home Automation	Dr. Pratibha Tyagi, AsP (EIE)	20,000.00
5.	IOT Frame-Work for Energy Efficient Smart-	Dr. Manpreet Kaur, Prof. (EIE)	8,950.00

	Home		
6.	Google Map Assisted Toy Vehicle	Dr. Manmohan Singh, AsP (EIE)	37,100.00
7.	ECPCB (Electronically Controlled and Programmed Circuit Breaker)	Dr. S.S. Verma, Prof. (Phy)	39,064.00
8.	Automatic Western Loo & Wheel-Chair for Deferentially Abled	Er. Rahul Gautam, AP (CSE) Er. Kuldeep Singh, AP (ECE)	49,810.00
9.	Automated Vehicle Detection System	Er. Sukhpreet Singh, AP (CSE) Dr. Manoj Sachan, Prof. (CSE)	40,500.00
10.	Industry Oriented Project: Design and Fabrication of Obstacle Avoidance Drone	Dr. Shankar Singh, Prof. (ME)	49,240.00
11.	Design and Fabrication of Stair Climbing Trolley	Dr. P.K. Singh, Prof. (ME)	42,000.00
12.	Design and Development of Economical Condition Monitoring System for Rack and Pinion Drives	Dr. P.K. Singh, Prof. (ME) Note: Mr. Ayush Thakur, GCS/1830705 has been included in students committee.	47,800.00
13.	Design and Fabrication of PID Controlled Digital Thermocole Pattern Cutting Device	Dr. Rakesh Kumar, AsP (ME)	32,276.00
14.	Design and Fabrication of Voice Controlled Intelligent Wheel Chair	Dr. R.K. Saxena, Prof. (ME)	74,250.00
15.	Development of Reinforced Multilayered Fiber Board using Waste of Coconut Fiber and Cereal Husk	Dr. C.S. Riar, Prof. (FET)	41,500.00

(ii) Faculty projects were invited through Ref. No. SLIET/Dean (R&C)/2019/395 dated 14/08/2019. As per recommendations of the Evaluation Committees, following project proposals have been sanctioned under TEQIP- III:

S. No.	Project Title	Name of PI	Budget in Rs.
1.	Development of Smart System for Monitoring Surface Roughness in Turning process	Dr. Vivek Kumar, AP (ME) as PI Dr. Sunil Kumar, AP (ME) as Co-PI	2,10,000.00
2.	Design of Low Cost FSR Insole Based Gait Analysis System for Medical and Sports Application	Er. Sunil Kumar, AP (EIE) as PI Dr. A.S. Arora, Prof. (EIE) as Advisor	2,03,000.00
3.	Pollution Prevention through Electrochemical Degradation and Mineralization of Pharmaceuticals	Er. Vinod Kumar Meena, AP (ChE) as PI Dr. H.R. Ghatak, Prof. (ChE) as Co-PI	1,00,000.00
4.	Cerium Oxide Nano particles Catalyzed Synthesis of Lactide from lactic Acid	Dr. Payal Malik, AP (Phy) as PI Dr. P.S. Panesar, Prof. (FET) as Advisor	1,00,000.00
5.	Synthesis and Characterization of Lanthanum Doped Cobalt Ferrite Nano particles Photocatalysis for Environment Remediation	Dr. Hemant Kumar, AP (ChY) as PI Dr. Avinash Thakur, Prof. (ChE) as Advisor	1,00,000.00

VI. FACULTY MEMBERS ATTENDED STC/WORKSHOP UNDER TEQIP-III

Sr. No.	Name of the faculty member	Designation	Venue	Duration
1.	Dr. Manmohan Singh	AsP (EIE)	IIT Bombay	24.02.2020 to 28.02.2020
2.	Dr. Sunil Kumar	AP (ME)	IIT Delhi	01.03.2020 to 15.03.2020
3.	Dr. Amrik Singh	AsP (ME)	IIT Kharagpur	13.03.2020 to 17.03.2020
4.	Dr. Kamlesh Kumari	Prof. (ChE)	IIT Delhi	13.03.2020 to 17.03.2020

VII. NBA Accreditation Status:

The SAR of the 06 UG programme was successfully uploaded on the NBA portal along with accreditation fee and NBA team will visit shortly for the same.

VIII. Establishment of Advance Training Centre under TEQIP-III

Five Advanced Training Centre have been established. The details of the same is given below:

Group No.	Department	Name of the Centre	Utilization of funds (In Lacs)	Impact of facility created
I	EIE, ECE, ME, CSE	Centre for Training in Research and Automation	100.03	• Training of automation to industry persons • Strengthening of research facilities for PG and Ph.D. students • Exposure to UG students • Training of UG students • To create environment of innovative thinking among the students
II	ME (Sole)	Additive manufacturing lab	40.49	
III	FET, ChE, Chem	Bio-Chemical Research Lab	45.78	
IV	CSE (Sole)	IOT Lab	9.97	
V	IIC	Industry Innovation Cell	17.49	