

SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY
LONGOWAL
DISTRICT SANGRUR, PUNJAB – 148106
(DEEMED TO BE UNIVERSITY UNDER GOVERNMENT OF INDIA,
MINISTRY OF EDUCATION – SHIKSHA MANTRALAYA)



INSTITUTIONAL DEVELOPMENT PLAN (IDP) –
VISION PLAN “SLIET-2030” (TENTATIVE)



संत लॉंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान
(शिक्षा मंत्रालय, भारत सरकार के अधीन सम विश्वविद्यालय)
लॉंगोवाल, जिला संगरूर, पंजाब – 148106
Sant Longowal Institute of Engineering & Technology
(Deemed-to-be-University under Ministry of Education, Government of India)
Longowal, District Sangur, Punjab-148106

संदर्भ सं/ Ref. No. SLIET/REG/3866

दिनांक / Date: 22/11/21

All Deans/HoDs/concerned Faculty In-charge

Subject : Proceedings of 2-DAYS PROGRESS REVIEW WORKSHOP ON VISION PLAN "SLIET-2030" held on 30.09.2021 & 01.10.2021

Please find enclosed herewith **Proceedings of 2-Days Progress Review Workshop on Vision Plan "SLIET-2030"** held on 30.09.2021 & 01.10.2021 in the Committee Room, Administrative Block, SLIET, Longowal for information and further necessary action.

It is to inform that the next **2-DAYS PROGRESS REVIEW WORKSHOP ON VISION PLAN "SLIET-2030"** will be held on **DECEMBER 23-24, 2021** in the Committee Room, Administrative Block, SLIET, Longowal. The schedule of the same will be informed shortly.

Encl. As above.


22.11.21

Prof. Harish Kumar Chopra
Convener (Review Committee)

Copy alongwith above report is forwarded to the following for kind information:-

- 01 Director, SLIET
- 02 Prof. J.S. Dhillon, Dean & Professor

"Proud to be Part of Team SLIET"

**TWO DAYS PROGRESS REVIEW WORKSHOP ON
VISION PLAN "SLIET-2030"
HELD ON 30.09.2021 & 01.10.2021
IN THE COMMITTEE ROOM, ADMINISTRATIVE BLOCK,
SLIET, LONGOWAL**

PROCEEDINGS

At the outset, Convenor, Workshop, Prof Harish Chopra welcomed Chairman of the Progress review Workshop, Prof. Shailendra Jain, Director, SLIET and all Deans, HODs, Coordinators of the activities. Thereafter, Director, SLIET briefed about challenges and opportunities for SLIET in implementation of NEP-2020 by chalking out the VISION PLAN "SLIET-2030". With the permission of the chair, the proceedings of the workshop were initiated by Dean (Academics) on the request of Convenor, Workshop.

PART-1 : SHORT TERM ACTIVITIES – 30.09.2021

Sr. No.	Activities
01	i) Personality / Communication Skill/ Aptitude/ Logical Reasoning Development/ UHV [NEP Pt. 11.3, 12.0]

It is one of the major concern and need of SLIET students. A Communication Skill and Personality Development Cell (CSDC) is already initiated in the institute since 2018 to address the issue.


Prof. Dhiraj Sud, Coordinator CSDC presented about the ongoing activities of "**Personality/ Communication Skill/ Aptitude/ Logical Reasoning Development/ UHV**". During her presentation, she stressed on strengthening of the activities towards communication skill improvement of the students.

During the discussion, HOD (ME) submitted that there is also need for improvement in the technical writing skills of the students. Thereafter, HOD (M&H) apprised that audit course has already been introduced.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestions: There are some short term and long term activities suggested by Prof. Sud in her presentations. It was resolved that:

- a. The activities may be listed out and implemented by organizing brain-storming sessions with the students.
- b. There are some activities, which will take time in implementation/ execution and other activities, which need financial support from the Government.


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c. It was resolved that the communication skills of the students may be strengthened along-with academic activities of the Departments.

d. Services of external agencies/professional may be hired

For strengthening the Language Lab, project may also be submitted to the AICTE. The coordinators for the Project shall be **Dr. Jappreet Kaur Bhangu, Prof (M&H) and Dr. Gulshan Jawa, ASP (ChE).**

Universal Human Values (UHV): UHV Cell is also functioning in the Institute since 2020. On this part of the activities, Dr. Arvind Jayant was requested to give presentation by the Dean (Academics). Dr. Arvind Jayant submitted that every Institute has to establish Universal Human Values Cell and it is mandatory as per requirements of AICTE. He further apprised the SLIET, Longowal has already nominated one Chief Coordinator and 11 Departmental Coordinators from different departments.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestions: It was resolved that -

- (i) An activity calendar may be planned for implementation of the different activities under Universal Human Values Cell.
- (ii) Orientation Programmes may be included in the activity calendar,
- (iii) Summer/winter Internship Programmes may be organized in consultation with NGOs, and
- (iv) Social club activities may be strengthened by including the activities of the social clubs in the activity calendar.

ii) Students Activities (Students Clubs etc.) [NEP Pt. 12.9]

Around 30 students clubs are functioning in the Institute, for the holistic development of the students through various activities from time to time. Prof. Rajesh Kumar, Dean (SW) started his presentation by apprising about the various students' clubs created in the campus for the development of the students. These clubs are also important for the personality development and strengthening communication skills of the students.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestion: It was pointed out that a fixed schedule for the activities of these social clubs be chalked out, in the form of an activity calendar to:



- a) Fix the activities of the clubs in the shape of a calendar.
- b) Define the objectives of the clubs and the clubs may be asked to give their outcome at the end of every year.
- c) Organize one/ two activities/ per club per year.
- d) Engage the students specially on weekend by organizing the activities.
- e) Compile the reports submitted by these clubs in the shape of annual report.

It was also suggested that the counselling system may be strengthened by appointing students' counsellors. These activities may be fixed as cyclic activity. Re-organization of clubs may also be looked into and clubs having similar activities may be merged. Budget allocation may also be explored for these activities based on proposed action plan.

The activities are required to be designed/planned to develop the overall personality of the students, in view of his/her professional development.

02 Restructuring of ICD, setting of industry sponsored labs, virtual lab, search of industry partner [NEP Pt. 11.9]

Prof. M.B. Bera (FET) started his presentation and apprised about various aspects pertaining to existing programmes and also suggested some points pertaining to setting up of industry sponsored laboratories, virtual laboratories etc.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestions: It was suggested that -

- a) The AICTE Diploma Programme standards to be adopted.
- b) The NSQF level may also be incorporated and thought may also be given in keeping the Diploma Programmes as per NSQF levels.
- c) The present ICD Programmes need to be evaluated in the light of NEP-2020.

Restructuring of ICD Programmes [NEP Pt. 11.8, 11.9] (with Industry Partner)

- (i) Skeleton Structure
- (ii) Revision of all ongoing programs
- (iii) Laboratory Development
- (iv) Search of industry partner

Restructuring of ICD programs with focus on increased practical content, skill development and exposure to industry is need of hour. Prof. J.S. Dhillon Dean (Academics) presented about this activity. During his presentation, Prof. Dhillon covered all the aspects e.g.

NSQF, NSDC & NCVT schemes. **The efforts made by Dean (A) were duly appreciated by all the members present.**

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestions: It was suggested that

- a) The operational plan may be worked out for implementation of the NEP-2020.
- b) The name of the Diploma programs may be kept in the name of respective discipline and not in the name of specialization.
- c) The existing academic structure may be modified in line with the NEP-2020.
- d) The educational model may be accepted as such as proposed/ suggested in the NEP-2020.

The proposed course of action, as submitted by Dean (A) **was accepted in principle by the house.** The additional laboratories requirement may be explored and afterwards, the new programs should be started from the Session 2023. While working out the details, the complete evaluation of the present ICD programmes are required to be carried out to strengthened the teaching -learning processes.

04 Establishment of Centre of Excellence

At the outset, Prof. P.S. Panesar, Dean (P&D) apprised that for the establishment of Centre of Excellence, four different groups were created for submitting the proposals. The groups are

- i. Chemical Engineering/ Chemistry/ Food Engineering & Technology group
- ii. Physics/ Mechanical Engineering / Chemical Engineering/ Chemistry group
- iii. Electronics & Communication Engineering/ Electrical & Instrumentation Engineering/ Computer Science Engineering, and
- iv. Management/Mathematics group.

Thereafter, Prof. Panesar requested respective HODs to submit their proposal for setting up of Centre of Excellence.

- a) Prof. A.S. Shahi, HOD (Mechanical Engineering) submitted his proposal for setting-up of **Centre of Excellence entitled "Centre for Materials Testing and Research"** under the group "Physics/ Mechanical Engineering/ Chemical Engineering/ Chemistry group".



Suggestion: The outcome of the proposed Centre of Excellence is required to be evaluated in accordance with the specializations of the Departments catering to the needs of the students at large and for the research development activities matching at the national/ international level.

While, proposing the Centre of Excellence the

- a) Purpose for enhancement of skills of the students in the different fields is required to be taken care of.
- b) HOD (ME) was also requested to submit the financial requirement, manpower requirement, IRG generation plan along-with the proposal.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

- b) HOD (CSE) submitted his proposal for establishing **Centre of Excellence in "Artificial Intelligence"** under the group Electronics & Communication Engineering/ Electrical & Instrumentation Engineering/ Computer Science Engineering. The proposal pertaining to proposed centre has been presented by HOD (CSE) through PPT and requested the house for suggestions.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestion: HOD (CSE) was asked to submit and evaluate the proposal as under:

- a) How the setting of such Centre of Excellence shall benefit the students at UG & PG level in addition to the activities of the Centre for resource generation?
- b) The benefits to other allied thrust/focused areas of activities of other Departments
- c) The submit financial requirement, manpower requirement and IRG generation plan.

HOD (CSE) was further requested to work out more on the proposal and detailed proposal be submitted for consideration. It was also suggested to plan a visit to the Institutions/ Industries, where such kind of centre of excellence are already being established. It has also been requested that the research work may be carried out on the industrial problems. The proposal is required to be worked out to watch the interest of ICD/UG/PG students in this area.

- c) HOD (Chemical Engineering) requested Dr. Avinash Thkur, Professor (ChE) to present the proposal. Dr. Avinash Thakur had proposed to establish **Centre of Excellence in "Bioprocess and Bioenergy"** under the group Chemical Engineering/ Food Engineering & Technology/Chemistry.



The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Dr. Avinash Thakur during his presentation for establishing Centre of Excellence had also proposed to start **M.Tech. in Food Technology & Bio-chemical Engineering, Master of Science in Biochemical & Biotechnology, and Master of Technology in Nanotechnology** under the age is of proposed Centre of Excellence.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestions: It was requested that the proposal for proposed centre of excellence may be again discussed among the participating departments to give more elaborative thought on the aspects, e.g. Industry staff training module, Productive outcome and Meetings/ discussions may be also held with the faculty members of participating departments.

HOD (ChE) was requested to work out more on the proposal and detailed proposal be submitted for consideration. It was also suggested that the involvement of other faculty members of the department may be ensured and the proposal may be submitted by including the financial requirement, manpower requirement and IRG generation plan etc. It was also requested that the research work may be carried out on the industrial problems. The small testing procedures are required to be worked out to cater to the needs of the nearby areas, while using the present available equipments in the Institute.

- d) Prof. A.S. Dhaliwal, Dean (R&C) requested HOD (ECE) to give his presentation on the proposed **Centre of Excellence in "Millimetre waves and Photonics technologies"**. During the presentation, HOD (ECE) had submitted that the basic infrastructure facilities are available, and the department is also having all the required equipments. He further submitted that the requirement of only one trained person for making this Centre of Excellence operational.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestions: HOD (ECE) was requested to work out more on the proposal and detailed proposal be submitted for consideration. The Department has been asked to work out the details for the skill development of the students in the area and catering to the needs of the industries in this area.



PART-II : LONG TERM ACTIVITIES – 01.10.2021

Sr. No.	Activities
05	University Status (Multi-Disciplinary Institute under Category-II) [NEP Pt. 10.1, 10.2, 10.3, 11.2]

Prof. J.S. Dhillon, Dean (Academics) briefed about the NEP-2020 on the following aspects:

The main thrust of NEP-2020 regarding higher education is to end the fragmentation of higher education by transforming higher education institutions into large multidisciplinary universities and HEI clusters/Knowledge Hubs, each of which will aim to have 3,000 or more students. Moving to large multidisciplinary universities and HEI clusters is thus the highest recommendation of this policy.

This vision of higher education will require, in particular, a new conceptual perception/understanding for what constitutes a higher education institution (HEI), i.e., a university or a college. A university will mean a multidisciplinary institution of higher learning that offers undergraduate and graduate programmes, with high quality teaching, research, and community engagement.

The definition of university will thus allow a spectrum of institutions that range from those that place **equal emphasis on teaching and research i.e., Research-intensive Universities, those that place greater emphasis on teaching but still conduct significant research i.e. Teaching-intensive Universities.** Meanwhile, an Autonomous degree-granting College (AC) will refer to a large multidisciplinary institution of higher learning that grants undergraduate degrees and is primarily focused on undergraduate teaching though it would not be restricted to that and it need not be restricted to that and it would generally be smaller than a typical university.

Assessments of educational approaches in undergraduate education that integrate the humanities and arts with Science, Technology, Engineering and Mathematics (STEM) have consistently showed positive learning outcomes, including increased creativity and innovation, critical thinking and higher-order thinking capacities, problem-solving abilities, teamwork, communication skills, more in-depth learning and mastery of curricula across fields, increases in social and moral awareness, etc., besides general engagement and enjoyment of learning. Research is also improved and enhanced through a holistic and multidisciplinary education approach.

Submission: Dean (A) further apprised that -

- SLIET, Longowal is already having more than 3000 students and it is a plus point for the SLIET, Longowal to become multi-disciplinary University.

- b) As per NEP-2020, there is a condition that there will be multi-disciplinary university in every district and there is no college/ university/ autonomous Institution (similar to SLIET, Longowal) in the Sangrur District of Punjab.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestion: It was decided that a committee may be constituted, who will recommend/ suggest the list of courses to be approved along-with compatibility. The committee will also work out on the procedure for becoming a full-fledged university (multi-disciplinary). The committee will be proposed by the Dean (Academics). The committee shall work out the University Structure of the Institute having multi-disciplinary courses in the line of NEP-2020.

06 Infrastructure Development for Campus Digitization

[NEP Pt. 24.4 (b)]

HOD (CSE) requested Dr. Damanpreet Singh FI (ACSS) to start the presentation on this activity. FI (ACSS) started his presentation on covering all the aspects e.g. existing internet network and also required infrastructure for the upgradation of SLIET networking/ Plan for 2030. FI (ACSS) proposed to establish a ring network.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" will be held on 23.12.2021 & 24.12.2021.

Suggestion: HOD (CSE)/ FI (ACSS) was requested to:

- a) Include the residential area in the campus ring network.
- b) One or two external experts may also be included in planning for campus network expansion.
- c) A timeline may be proposed for the requirement of switches and also future requirement plan.
- d) Budgeting may be explored and proposed accordingly.
- e) Year-wise plan may be given along-with expenditure.
- f) A detailed plan may be worked out for the next ten (10) years.

The efforts made by the ACSS team towards campus network expansion were appreciated. The developmental activities be prioritize as per the availability of funds on year to year basis.

07 Campus Development / Preparation of Master Plan

08 Institutional Development Plan (IDP)

[NEP Pt. 13.6]

Both the activities were pertaining to Infrastructure Development and were taken jointly. Dean (P&D) had requested Dr. Avinash Thakur, Associate Dean (P&D) to present.

Dr. Avinash Thakur had briefed the detailed campus / infrastructure development plan to all the members through his presentation (PPT).

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestions:

- a) **Extension of Chemical & Food Block:** Chemical & Food Engineering departments are having good potential and it was desired that the expansion proposal may also be made in line with the proposal for start of new courses/ programs. Further, extension/creation of any department need to be looked into after the finalization of the proposal of starting new programmes as per NEP-2020.
- b) **Construction of 20 No.(Type-VI.) Residences:** Regarding Type-VI residences, it was requested to depute Estate Officer to visit other institution of national repute like NIT Jaipur etc./ other places, for constructing of proposed residences. A detailed proposal may be given for construction of additional number of residences required (i.e., tentatively 90 houses: 80 for faculty members & 10 for non-teaching officers with 10-14 pay level as per 7th CPC in line with eligibility under CCS house allotment rules & regulations) and it has suggested that during the first phase 20 houses may be planned to be constructed. The requirement/proposal for construction of faculty houses may be given in concurrence with the sanctioned strength.
- c) **Students' Facilitation Centre:** It was desired that a committee may be constituted by including an external expert and recommendations may be given for constructing students' facilitation centre. A meeting with Architect may also be conducted and the plan may be finalized.
- d) **Construction of Semi-circular seating area /open air theatre:** It was requested that this work may be taken up on priority either in vicinity of Auditorium or in front of Chemical and Food block
- e) **Food Zone:** It was suggested that a detailed proposal for "Food Zone" having adequate space/more congenial environment in the academic area for intermittent refreshment to students and other may be submitted.
- f) **Outsourced Manpower Welfare Area:** It was suggested that an area, preferably near the Longowal gate may be identified and the same may be renovated/ constructed to cater the need of refreshment/ meal etc. of the outsourced manpower deployed for various activities in the institute through various agencies and be named as Outsourced Manpower Welfare Area.
- g) **Future Construction/Green areas** in the campus may also be identified. Areas for future construction/academic development may also be identified and further plantation in those may be restricted.
- h) **Gymnasium:** It was decided that a good Gym may be created in the faculty club/ community centre of the Institute for the faculty/ staff of the Institute.



- i) It was also suggested that an Architect may also be finalized and the works Stadium, Students' facilitation Centre and Open air theatre may be taken up on priority.

A notice may also be issued by the Estate Office, asking about the inputs about the development plan/ master plan from all the faculty/ staff members for SLIET- 2030. Thereafter, a concrete proposal may be prepared and same may be put up in the BOM for consideration.

09 Development of New Skill Based Programs Both these activities were clubbed

10 Start of New Programs

Prof. P.S. Panesar, Dean (P&D) and Prof. A.S. Dhaliwal, Dean (R&C) apprised the house that a number of brainstorming sessions have been conducted with the Head of Departments. Thereafter, Prof. Panesar requested the respective HODs to submit their proposal to start the programs in their departments.

PG Diploma in Cyber & IT Laws: HOD (CSE) started his presentation and proposed to start one-year PG Diploma in Cyber & IT Laws. He further apprised that the course will be offered jointly with RGNUL, Patiala.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Following points need to be considered:

- (i) Possibility be explored to run the course in hybrid mode.
- (ii) Proposed fee structure/sharing thereof
- (iii) Requirement of additional faculty space etc
- (iv) Approval of regulatory bodies.

Suggestion: It was desired that a survey may be conducted by designing google forms/other means from students/ parents for the start of programme. HOD (CSE) was requested to coordinate with Dr. J.S. Ubhi, Associate Dean (Academic Planning) and finalize the approval process (online/ offline). The department may also take the professional services from an expert outside the Institute to effectively start the course in the Institute and its usefulness.

PG Diploma in EDP & Rural Development: HOD (M&H) along-with Dr. Mandeep Ghai started their presentation about start of new course and briefed the requirements/study scheme/approval process etc.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestion: It was suggested that -

- a) A survey may be conducted by designing google forms/other means from few entrepreneurs, Government officials, banking officials, District Industry Centre officials and students/ parents for the start of programme.

- b) The teaching load of the proposed programme shall be taken by the existing faculty members of the department.
- c) HOD (M&H) was requested to visit the Centre for Rural Development in Mohali and explore more about the scope of the programme.

The departmental faculty may also be involved and to explore more about getting support from industry. The Department may also propose about the approval process and after working on all the modalities, concrete proposal may be submitted for consideration.

BE + MBA Integrated: Dr. P.K. Dhiman started his presentation and apprised that any branch student can take admission in the integrated programme and the size of the batch shall be 20. From the third year or after completion of four semesters of the BE programme, the students may opt for integrated MBA programme.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestion: It was requested to work-out more on the:

- a) Modalities of the programme and also on the number of credits to be completed during the integrated programme.
- b) The existing scheme / number of credits of BE programs should remain intact.
- c) Which Department shall award the Degree of BE/ MBA integrated and
- d) Approval of regulatory bodies to start of the program.

It was desired that a survey may be conducted by designing google forms/other means from few entrepreneurs, students of 2nd or 3rd year / parents for the start of programme. The details of the 72 credit courses to be offered to the students during their B.Tech. course (3rd year onwards) are required to be identified to certify the equivalence of BE+MBA program at the national/ international level.

B.Sc. + M.Sc. Programs: The presentation for the start of integrated B.Sc. + M.Sc. programme was given by Dr.V.K. Kukreja. It was proposed that the sufficient infrastructure is available with the Science Departments. It was also apprised that the existing faculty is willing to take the additional teaching load and initially the proposed course will be started as per the existing sanctioned faculty strength of science departments.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestion: It was requested to -

- a) Work out on the seat matrix e.g. entry from CCMT/SET/ vertical entry.
- b) The requirement of additional faculty/staff members, if any

The Science Departments were requested to run the courses and attract admission in the courses for 1-2 years and only thereafter, the demand for additional faculty may be made. It was suggested that in case of additional faculty is required that can be met out from the self-finance mode. A survey may be conducted by designing google forms/other means students / parents for the start of programme.

The integrated B.Sc. honour + M.Sc. programs may be started from academic year 2022-23 initially with an intake of 20 students each in Physics, Chemistry and Mathematics, in addition to the number of seats already existing for the PG programs in these Departments.

PG Diploma in Actuarial Sciences: HOD (Maths) proposed to start the PG Diploma in Actual Sciences and started his presentation. He apprised that the PG Diploma in Actual Science is highly in demand in foreign countries and also this programme is run in some premier Institutions of the country.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestion: It was asked to conduct a survey from students / parents for the start of programme. HOD (Maths) was also requested to work out more on the modalities for the start of programme e.g. approval process, requirement of additional faculty. It was also desired to explore the possibility to start in self-finance mode.

ICD in Precision Agriculture: Dr. Surinder Singh, HOD (ECE) along-with Dr. Dalip Kumar, Professor (ECE) proposed to start an ICD Program in Precision Agriculture and started their presentation.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestion:

- a) It was suggested to work out more on the proposal at the level of department and other allied departments and the refined proposal covering the requirement for additional infrastructure/ manpower.
- b) A survey may be conducted from students / parents.
- c) The discussion was also held about the beneficiaries of the proposed programme with pre-requisite requirement of 4-5 acres of land.
- d) The modalities may also be worked out regarding intake of the students, duration of the courses, industrial training.
- e) ECE Department may also explore about signing of MoU with mapping Institutions about the start of the program.



- f) A proposal for grant of funds may also be written and sent to Ministry of Agriculture.
- g) Before conduct of BOS, mapping of the program with other Institutions may also be conducted.
- h) Possibility be explored to start one-year advance diploma
- i) The task force may also work on development of Centre on Precision Agriculture.
- j) Projects may also be written for fetching funds from external funding agencies.

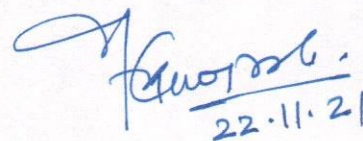
After detailed deliberations, it was decided that the possibility be explored to start a non-formal programme. It was also decided that the techFEST-22 theme be focused on Precision Agriculture. The details may be worked out for informal program for the nearby rural people having agriculture background to train them for the technological use of the agriculture equipments.

Dr. Avinash Thakur during his presentation for establishing Centre of Excellence also proposed to start **M.Tech. in Food Technology & Bio-chemical Engineering**, **Master of Science in Biochemical & Biotechnology** and **Master of Technology in Nanotechnology**.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Dr. A.S.Shahi, HOD (ME) proposed to start a M.Tech. programme in Material Science & Engineering in collaboration with Department of Physics. HOD (ME) further proposed to work out the details, separately having equivalence to the M.Tech. programme of AICTE/UGC/ any other regulating bodies.

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दिनांक /Date: *19/4/22*

All Deans/HoDs/concerned Faculty In-charge

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[Signature]
19.4.22
Prof. Harish Kumar Chopra
Convener (Review Committee)

Copy alongwith above report is forwarded to the following for kind information:-

- 01 Director, SLIET
- 02 Prof. J.S. Dhillon, Dean & Professor

"Proud to be Part of Team SLIET"

**2nd 2-DAYS PROGRESS REVIEW WORKSHOP ON
VISION PLAN "SLIET-2030"
HELD ON March 2-3, 2022**

Venue: Committee Room, Administrative Block, SLIET, Longowal

PROCEEDINGS

At the outset, Convenor, Workshop, Prof Harish Chopra welcomed Chairman of the Progress review Workshop, Prof. Shailendra Jain, Director, SLIET and all Deans, HODs, Coordinators of the activities. Thereafter, Director, SLIET based on the recommendations of the 1st 2-DAYS PROGRESS REVIEW WORKSHOP (circulated to all the stake holders vide letter Ref. No. SLIET/REG/3866 dated 22.11.2021) briefed about challenges and opportunities for SLIET in implementation of NEP-2020 by chalking out the VISION PLAN "SLIET-2030". With the permission of the chair, the proceedings of the workshop were initiated by Dean (Academics) on the request of Convenor, Workshop.

[Suggestion of 1st workshop are given in Arial Italic Font]

PART-I : SHORT TERM ACTIVITIES – 02.03.2022

Sr. No.	Activities
01	1.1 Personality / Communication Skill/ Aptitude/ Logical Reasoning Development/ UHV [NEP Pt. 11.3, 12.0]

It is one of the major concern and need of SLIET students. To redress this issue, a **Communication Skill and Personality Development Cell (CSDC)** has already been established in the institute since 2018.

Prof. Dhiraj Sud, Coordinator CSDC presented about the ongoing activities of "**Personality/ Communication Skill/ Aptitude/ Logical Reasoning Development/ UHV**". During her presentation, she stressed on strengthening of the activities towards communication skill improvement of the students.


Suggestions in the 1st Progress Review Meeting:

- a. The activities may be listed out and implemented by organizing brain-storming sessions with the students.
- b. There are some activities, which will take time in implementation/ execution and other activities, which need financial support from the Government.
- c. It was resolved that the communication skills of the students may be strengthened along-with academic activities of the Departments.
- d. Services of external agencies/professional may be hired

For strengthening the Language Lab, project may also be submitted to the AICTE. The coordinators for the Project shall be **Dr. Jappreet Kaur Bhangu, Prof (M&H) and Dr. Gulshan Jawa, ASP (ChE)**.

Resolved that

- i. Semester-wise/Annual Action Plan for various activities (Separately for ICD/Degree students) be chalked out.
- ii. The infrastructural, equipment and manpower requirement be


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- finalized in terms of funds requirement.
- iii. The proposal must include review mechanism and outcome of the plan.
 - iv. The establishment of Language Lab, (60 students Software Project) be **COMPLETED** during this Financial year 2022-23 by M&H Department.
 - v. In addition, 30-60 hrs communication skill/personality development course, as done in previous two years, be also conducted. Prof Jagtar Singh to coordinate the activity.

Universal Human Values (UHV): UHV Cell is also functioning in the Institute since 2020. Dr. Arvind Jayant presented the activities being undertaken by the cell. Dr. Arvind Jayant submitted that every Institute has to establish Universal Human Values Cell and it is mandatory as per requirements of AICTE. He further apprised the SLIET, Longowal has already nominated one Chief Coordinator and 11 Departmental Coordinators from different departments.

Suggestions in the 1st Progress Review Meeting:

- (i) *An activity calendar may be planned for implementation of the different activities under Universal Human Values Cell.*
- (ii) *Orientation Program may be included in the activity calendar,*
- (iii) *Summer/winter Internship Program may be organized in consultation with NGOs, and*
- (iv) *Social club activities may be strengthened by including the activities of the social clubs in the activity calendar.*

Resolved that

- i. Semester-wise/Annual Action Plan for various activities be chalked out.
- ii. The infrastructural, equipment and manpower requirement, if any, be finalized in terms of funds requirement.
- iii. The proposal must include review mechanism and outcome of the plan.

1.2 Students Activities (Students Clubs etc.) [NEP Pt. 12.9]

Around 30 student's clubs are functioning in the Institute, for the holistic development of the students through various activities from time to time. Prof. Rajesh Kumar, Dean (SW) started his presentation by apprising about the various students' clubs created in the campus for the development of the students. These clubs are also important for the personality development and strengthening communication skills of the students.

Suggestions in the 1st Progress Review Meeting:

- a) *Fix the activities of the clubs in the shape of a calendar.*
- b) *Define the objectives of the clubs and the clubs may be asked to give their outcome at the end of every year.*
- c) *Organize one/ two activities/ per club per year.*



- d) Engage the students specially on weekend by organizing the activities.
- e) Compile the reports submitted by these clubs in the shape of annual report.

It was also suggested that the counselling system may be strengthened by appointing students' counsellors. These activities may be fixed as cyclic activity. Re-organization of clubs may also be looked into and clubs having similar activities may be merged. Budget allocation may also be explored for these activities based on proposed action plan.

The activities are required to be designed/planned to develop the overall personality of the students, in view of his/her professional development.

RESOLVED THAT

- i. The activities/annual calendar of the various club must include events/important days to be celebrated every year in addition to Flagship Programmes of Government of India.
- ii. The budget for this purposed may be finalized as per requirement.

02 Restructuring of ICD, setting of industry sponsored labs, virtual lab, search of industry partner [NEP Pt. 11.8, 11.9]

Prof. M.B. Bera (FET) started his presentation and apprised about various aspects pertaining to existing programmes and also suggested some points pertaining to setting up of industry sponsored laboratories, virtual laboratories etc.

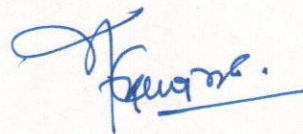
Suggestions in the 1st Progress Review Meeting: It was suggested that –

- a) The AICTE Diploma Program standards to be adopted.
- b) The NSQF level may also be incorporated and thought may also be given in keeping the Diploma Programs as per NSQF levels.
- c) The present ICD Programmes need to be evaluated in the light of NEP-2020.

RESOLVED THAT

- i. The restructuring of ICD be merged with Point No. 03 below and will be finalized by the Dean (Academics).
- ii. Team will submit their action plan on other activities.

- 03 Restructuring of ICD Programmes [NEP Pt. 11.8, 11.9]
(with Industry Partner)
 - (i) Skeleton Structure
 - (ii) Revision of all ongoing programs
 - (iii) Laboratory Development
 - (iv) Search of industry partner



Restructuring of ICD programs with focus on increased practical content, skill development and exposure to industry is need of hour. Prof. J.S. Dhillon Dean (Academics) presented about this activity. During his presentation, Prof. Dhillon covered all the aspects e.g. NSQF, NSDC & NCVT schemes. **The efforts made by Dean (A) were duly appreciated by all the members present.**

Suggestions in the 1st Progress Review Meeting:

- a) The operational plan may be worked out for implementation of the NEP-2020.
- b) The name of the Diploma programs may be kept in the name of respective discipline and not in the name of specialization.
- c) The existing academic structure may be modified in line with the NEP-2020.
- d) The educational model may be accepted as such as proposed/ suggested in the NEP-2020.

RESOLVED THAT

- i. The proposal of restructuring of ICD Program submitted by Dean (A) be implemented in the **Academic Session 2023-24** and all the statutory requirements also be completed with time line.
- ii. The budget for this purpose may be finalized as per requirements of the departments by finalizing qualification pack (QP) for the implementation of vocational courses.
- iii. Further, revision of all other on-going programmes be carried out by the academic departments in view of NEP-2020.

04 Establishment of Centre of Excellence

At the outset, Prof. P.S. Panesar, Dean (P&D) apprised that for the establishment of Centre of Excellence, four different groups were created for submitting the proposals. The groups are

- i. Chemical Engineering/ Chemistry/ Food Engineering & Technology group
- ii. Physics/ Mechanical Engineering / Chemical Engineering/ Chemistry group
- iii. Electronics & Communication Engineering/ Electrical & Instrumentation Engineering/ Computer Science Engineering, and
- iv. Management/Mathematics group.

4.1 Centre of Excellence entitled "Centre for Materials Testing and Research"

Prof. A.S. Shahi, HOD (Mechanical Engineering) submitted his proposal for setting-up of **Centre of Excellence entitled "Centre for Materials Testing and Research"** under the group "Physics/ Mechanical Engineering/ Chemical Engineering/ Chemistry group".

Suggestions in the 1st Progress Review Meeting: The outcome of the proposed Centre of Excellence is required to be evaluated in accordance with the specializations of the Departments catering to the needs of the students at large and for the research development activities matching at the national/ international level.

While, proposing the Centre of Excellence the

- a) Purpose for enhancement of skills of the students in the different fields is required to be taken care of.
- b) HOD (ME) was also requested to submit the financial requirement, manpower



4.2 Centre of Excellence in "Artificial Intelligence"

HOD (CSE) submitted his proposal for establishing **Centre of Excellence in "Artificial Intelligence"** under the group Electronics & Communication Engineering/ Electrical & Instrumentation Engineering/ Computer Science Engineering. The proposal pertaining to proposed centre has been presented by HOD (CSE) through PPT and requested the house for suggestions.

Suggestions in the 1st Progress Review Meeting: HOD (CSE) was asked to submit and evaluate the proposal as under:

- a) How the setting of such Centre of Excellence shall benefit the students at UG & PG level in addition to the activities of the Centre for resource generation?
- b) The benefits to other allied thrust/focused areas of activities of other Departments.
- c) The submit financial requirement, manpower requirement and IRG generation plan.

HOD (CSE) was further requested to work out more on the proposal and detailed proposal be submitted for consideration. It was also suggested to plan a visit to the Institutions/ Industries, where such kind of centre of excellence are already being established. It has also been requested that the research work may be carried out on the industrial problems. The proposal is required to be worked out to watch the interest of ICD/UG/PG students in this area.

4.3 Centre of Excellence in "Bioprocess and Bioenergy"

Dr. Avinash Thakur, Professor (ChE) presented the proposal to establish **Centre of Excellence in "Bioprocess and Bioenergy"** under the group Chemical Engineering/ Food Engineering & Technology/Chemistry.

Dr. Avinash Thakur during his presentation for establishing Centre of Excellence had also proposed to start **M.Tech. in Food Technology & Bio-chemical Engineering, Master of Science in Biochemical & Biotechnology, and Master of Technology in Nanotechnology** under the ageis of proposed Centre of Excellence.

Suggestions in the 1st Progress Review Meeting: It was requested that the proposal for proposed centre of excellence may be again discussed among the participating departments to give more elaborative thought on the aspects, e.g. Industry staff training module, Productive outcome and Meetings/ discussions may be also held with the faculty members of participating departments.

HOD (ChE) was requested to work out more on the proposal and detailed proposal be submitted for consideration. It was also suggested that the involvement of other faculty members of the department may be ensured and the proposal may be submitted by including the financial requirement, manpower requirement and IRG generation plan etc. It was also requested that the research work may be carried out on the industrial problems. The small testing procedures are required to be worked out to cater to the needs of the nearby areas, while using the present available equipment in the Institute.



4.4 Centre of Excellence in "Millimetre waves and Photonics technologies"

Prof. A.S. Dhaliwal, Dean (R&C) requested HOD (ECE) to give his presentation on the proposed **Centre of Excellence in "Millimetre waves and Photonics technologies"**. During the presentation, HOD (ECE) had submitted that the basic infrastructure facilities are available, and the department is also having all the required equipments. He further submitted that the requirement of only one trained person for making this Centre of Excellence operational.

Suggestions in the 1st Progress Review Meeting: HOD (ECE) was requested to work out more on the proposal and detailed proposal be submitted for consideration. The Department has been asked to work out the details for the skill development of the students in the area and catering to the needs of the industries in this area.

RESOLVED THAT

- i. The departments may initiate the short-term activities under all the proposed centres of Excellence within the approved budget of the respective departments for the time being.
- ii. The funding for long term objectives of each centre of excellence shall be considered only after the submission and approval of the **Detailed Project Report (DPR)** at the appropriate level in each case separately.
- iii. The emphasis for the approval of these centres of Excellence shall be on IRG generation through FDPs, skill development programmes, training of existing/external technical manpower in addition to quantitative research outcome in terms of patents/publications /technology transfer.
- iv. Outcome be listed in terms of quantitative parameters, possible IRG
- v. Opinion of an external expert be also obtained on the proposal
- vi. Dept of EIE/ECE/CSE shall work in collaboration for the development of CoE in AI.

Further, it was resolved that

- vii. **M.Tech. in Food Technology & Bio-chemical Engineering** may be started from **academic session 2023-24** in the Chemical Engg. Department as the coordinating department in consultation with Food Engg. Department without any additional budget/manpower. The concerned departments are to complete the all other statutory requirements with time-line.



PART-II : LONG TERM ACTIVITIES – 03.03.2022

Sr. No.	Activities
05	University Status (Multi-Disciplinary Institute under Category-II) [NEP Pt. 10.1, 10.2, 10.3, 11.2]

Prof. J.S. Dhillon, Dean (Academics) briefed about the NEP-2020 on the following aspects:

The main thrust of NEP-2020 regarding higher education is to end the fragmentation of higher education by transforming higher education institutions into large multidisciplinary universities and HEI clusters/Knowledge Hubs, each of which will aim to have 3,000 or more students. Moving to large multidisciplinary universities and HEI clusters is thus the highest recommendation of this policy.

This vision of higher education will require, in particular, a new conceptual perception/understanding for what constitutes a higher education institution (HEI), i.e., a university or a college. A university will mean a multidisciplinary institution of higher learning that offers undergraduate and graduate programmes, with high quality teaching, research, and community engagement.

The definition of university will thus allow a spectrum of institutions that range from those that place **equal emphasis on teaching and research i.e., Research-intensive Universities**, those that place **greater emphasis on teaching but still conduct significant research i.e. Teaching-intensive Universities**. Meanwhile, an Autonomous degree-granting College (AC) will refer to a large multidisciplinary institution of higher learning that grants undergraduate degrees and is primarily focused on undergraduate teaching though it would not be restricted to that and it need not be restricted to that and it would generally be smaller than a typical university.

Assessments of educational approaches in undergraduate education that integrate the humanities and arts with Science, Technology, Engineering and Mathematics (STEM) have consistently showed positive learning outcomes, including increased creativity and innovation, critical thinking and higher-order thinking capacities, problem-solving abilities, teamwork, communication skills, more in-depth learning and mastery of curricula across fields, increases in social and moral awareness, etc., besides general engagement and enjoyment of learning. Research is also improved and enhanced through a holistic and multidisciplinary education approach.

Suggestions in the 1st Progress Review Meeting: Dean (A) further apprised that –

- SLIET, Longowal is already having more than 3000 students and it is a plus point for the SLIET, Longowal to become multi-disciplinary University.
- As per NEP-2020, there is a condition that there will be multi-disciplinary university in every district and there is no college/ university/ autonomous Institution (similar to SLIET, Longowal) in the Sangrur District of Punjab.



It was decided that a committee may be constituted, who will recommend/ suggest the list of courses to be approved along-with compatibility. The committee will also work out on the procedure for becoming a full-fledged university (multi-disciplinary). The committee will be proposed by the Dean (Academics). The committee shall work out the University Structure of the Institute having multi-disciplinary courses in the line of NEP-2020.

RESOLVED THAT

- i. The institute has initiated the process for implementing the NEP-2020 with an emphasis on modifying the on-going programmes at all levels with multi- entry and exit provisions.
- ii. Further, the institute shall fully implement the clauses of NEP-2020 as and when guidelines from the statutory bodies (UGC/AICTE/MoE) are received.
- iii. In the meantime, ***it has been resolved to start some new programmes from session 2023-24 in line with provisions of NEP-2020.***
- iv. NEP Cell is already created vide circular no_____dt_____for necessary action on implementation of NEP 2020.

06 Infrastructure Development for Campus Digitization

[NEP Pt. 24.4 (b)]

HOD (CSE) requested Dr. Damanpreet Singh FI (ACSS) to start the presentation on this activity. FI (ACSS) started his presentation on covering all the aspects e.g. existing internet network and also required infrastructure for the upgradation of SLIET networking/ Plan for 2030. FI (ACSS) proposed to establish a ring network.

Suggestions in the 1st Progress Review Meeting: HOD (CSE)/ FI (ACSS) was requested to:

- a) Include the residential area in the campus ring network.
- b) One or two external experts may also be included in planning for campus network expansion.
- c) A timeline may be proposed for the requirement of switches and also future requirement plan.
- d) Budgeting may be explored and proposed accordingly.
- e) Year-wise plan may be given along-with expenditure.
- f) A detailed plan may be worked out for the next ten (10) years.

The efforts made by the ACSS team towards campus network expansion were appreciated. The developmental activities be prioritize as per the availability of funds on year to year basis.

RESOLVED THAT

- i. The campus digitization plan presented shall be prepared with time line. The same be got endorsed/vetted by external experts (academic/industry), (in line with other nearby premier institutes like IIT, Ropar/NIT, Jalandhar etc).
- ii. Further, year wise breakup of the fund requirements as per work plan shall also be finalized in consultation with the external experts.



07 **Campus Development / Preparation of Master Plan**

08 **Institutional Development Plan (IDP)** [NEP Pt. 13.6]

Both the activities were pertaining to Infrastructure Development and were taken jointly. Dean (P&D) had requested Dr. Avinash Thakur, Associate Dean (P&D) to present.

Dr. Avinash Thakur had briefed the detailed campus / infrastructure development plan to all the members through his presentation (PPT).

Suggestions in the 1st Progress Review Meeting:

- a) **Extension of Chemical & Food Block:** Chemical & Food Engineering departments are having good potential and it was desired that the expansion proposal may also be made in line with the proposal for start of new courses/ programs. Further, extension/creation of any department need to be looked into after the finalization of the proposal of starting new programmes as per NEP-2020.
- b) **Construction of 20 No.(Type-VI.) Residences:** Regarding Type-VI residences, it was requested to depute Estate Officer to visit other institution of national repute like NIT Jaipur etc./ other places, for constructing of proposed residences. A detailed proposal may be given for construction of additional number of residences required (i.e., tentatively 90 houses: 80 for faculty members & 10 for non-teaching officers with 10-14 pay level as per 7th CPC in line with eligibility under CCS house allotment rules & regulations) and it has suggested that during the first phase 20 houses may be planned to be constructed. The requirement/proposal for construction of faculty houses may be given in concurrence with the sanctioned strength.
- c) **Students' Facilitation Centre:** It was desired that a committee may be constituted by including an external expert and recommendations may be given for constructing students' facilitation centre. A meeting with Architect may also be conducted and the plan may be finalized.
- d) **Construction of Semi-circular seating area /open air theatre:** It was requested that this work may be taken up on priority either in vicinity of Auditorium or in front of Chemical and Food block
- e) **Food Zone:** It was suggested that a detailed proposal for "Food Zone" having adequate space/more congenial environment in the academic area for intermittent refreshment to students and other may be submitted.
- f) **Outsourced Manpower Welfare Area:** It was suggested that an area, preferably near the Longowal gate may be identified and the same may be renovated/ constructed to cater the need of refreshment/ meal etc. of the outsourced manpower deployed for various activities in the institute through various agencies and be named as Outsourced Manpower Welfare Area.
- g) **Future Construction/Green areas** in the campus may also be identified. Areas for future construction/academic development may also be identified and further plantation in those may be restricted.
- h) **Gymnasium:** It was decided that a good Gym may be created in the faculty club/ community centre of the Institute for the faculty/ staff of the Institute.
- i) It was also suggested that an Architect may also be finalized and the works Stadium, Students' facilitation Centre and Open air theatre may be taken up on priority.

A notice may also be issued by the Estate Office, asking about the inputs about the development plan/ master plan from all the faculty/ staff members for SLIET- 2030. Thereafter, a concrete proposal may be prepared and same may be put up in the BOM for consideration.

The status of all the infrastructure development and other activities, as per the proceedings of the first two-day workshop on Vision Plan "SLIET-2030", held on 30.09.2021 to 01.10.2021, was noted.



RESOLVED THAT

- i. The campus development /master plan presented shall be finalized in consultation with the Architect and endorsed by Statuary bodies as per rules.
- ii. Further, year wise breakup of the fund requirements as per work plan shall also be finalized.
- iii. The following development activities may be included in the campus development plan as per availability of the funds:
 - a) Construction of Skill Development Centre
 - b) Construction of Boys Hostel (750 capacity) and Girls Hostel (250 capacity) [with a provision of separate block for international students], keeping in view the increase of 25% intake due to EWS reservation.
 - c) Industrial Park / Corridor in the north east corner of the Institute
 - d) Construction of bye-pass road for the local residents towards east side of the campus, outside the boundary wall
 - e) Development of Longowal & Duggan Gate along-with a provision of double road upto first chowk from both of the gates.
 - f) Development of lake area
 - g) Construction of Type-V & Type-VI residences in the vicinity of Health Centre
 - h) Construction of International Guest House upon extending the current guest house.
 - i) Extension of Chemical & Food Block
 - j) The construction of food zone in the academic area, backside of Library building.
 - k) Construction of outsourced Manpower Welfare Area preferably near the Longowal gate.
 - l) Development of Green Area and beautification of academic area.
 - m) Construction of Students' facilitation center (in the vicinity of playground towards swimming pool)
 - n) Provision of washroom, store, flood lights, parking in the vicinity of Stadium
 - o) Construction of Senate Hall.
 - p) Services of landscaper/horticulture planner be thought off.

Further, it has also been resolved that the detailed work proposal of the works i.e. Students' Facilitation Centre, Construction of Semi-circular seating area /open air theatre, Construction of 20 No. (Type-VI) Residences during first phase, Upgradation of Laboratories, Renovation of Hostel Student Rooms (Phase-II), as already decided in the Deans meeting (to be undertaken under HEFA Phase-II) will also be prepared by the Estate Office, on priority.

It was also resolved that the Ministry of Education will be requested for the release of funds of Rs. 70 Crores towards construction of Boys Hostel (750 capacity), Girls Hostel (250 capacity) and Skill Development Centre at the earliest.

09 Development of New Skill Based Programs

[Both these activities were clubbed]

10 Start of New Programs

Prof. P.S. Panesar, Dean (P&D) and Prof. A.S. Dhaliwal, Dean (R&C) apprised the house that a number of brainstorming sessions have been conducted with the Head of Departments. Thereafter, Prof. Panesar requested the respective HODs to submit their proposal to start the programs in their departments.

10.1 PG Diploma in Cyber & IT Laws:

HOD (CSE) started his presentation and proposed to start one-year PG Diploma in Cyber & IT Laws. He further apprised that the course will be offered jointly with RGNUL, Patiala.

Following points need to be considered:

- (i) Possibility be explored to run the course in hybrid mode.
- (ii) Proposed fee structure/sharing thereof
- (iii) Requirement of additional faculty space etc
- (iv) Approval of regulatory bodies.

Suggestions in the 1st Progress Review Meeting: It was desired that a survey may be conducted by designing google forms/other means from students/ parents for the start of programme. HOD (CSE) was requested to coordinate with Dr. J.S. Ubhi, Associate Dean (Academic Planning) and finalize the approval process (online/ offline). The department may also take the professional services from an expert outside the Institute to effectively start the course in the Institute and its usefulness.

RESOLVED THAT

- i. Dean (Acad)/Acad Section to approach AICTE for necessary approval of such courses (as necessary for courses proposed under point 9 and 10)
- ii. The programme shall be started from **academic session 2023-24** in HYBRID MODE (offline/online) with a batch of 20 students. All the statutory requirements shall also be completed as per time line by the department in addition to the HR/budget requirements. An
- iii. MOU may be signed at the earliest with the collaborating institute(s).

10.2 PG Diploma in EDP & Rural Development:

HOD (M&H) along-with Dr. Mandeep Ghai started their presentation about start of new course and briefed the requirements/study scheme/approval process etc.

Suggestions in the 1st Progress Review Meeting: It was suggested that –

- a) A survey may be conducted by designing google forms/other means from few entrepreneurs, Government officials, banking officials, District Industry Centre officials and students/ parents for the start of program.
- b) The teaching load of the proposed program shall be taken by the existing faculty members of the department.
- c) HOD (M&H) was requested to visit the Centre for Rural Development in Mohali and explore more about the scope of the program.

The departmental faculty may also be involved and to explore more about getting support from industry. The Department may also propose about the approval process and after working on all the modalities, concrete proposal may be submitted for consideration.

RESOLVED THAT

- i. The department shall work on the NABARD course modules and shall fix up the targets.
- ii. MOU be signed with the institutions like NITTTR, Chandigarh for the

programme.

- iii. The department shall complete all the statutory requirements to start the programme from academic session 2024-25. A complete proposal be submitted to Dean (A) with financial requirements.

10.3 BE + MBA Integrated:

Dr. P.K. Dhiman started his presentation and apprised that any branch student can take admission in the integrated programme and the size of the batch shall be 20. From the third year or after completion of four semesters of the BE programme, the students may opt for integrated MBA programme.

Suggestions in the 1st Progress Review Meeting: It was requested to work-out more on the:

- a) Modalities of the programme and also on the number of credits to be completed during the integrated programme.
- b) The existing scheme / number of credits of BE programs should remain intact.
- c) Which Department shall award the Degree of BE/ MBA integrated and
- d) Approval of regulatory bodies to start of the program.

It was desired that a survey may be conducted by designing google forms/other means from few entrepreneurs, students of 2nd or 3rd year / parents for the start of programme. The details of the 72 credit courses to be offered to the students during their B.Tech. course (3rd year onwards) are required to be identified to certify the equivalence of BE+MBA program at the national/ international level.

RESOLVED THAT

- i. M&H department shall consult other engineering departments to start the programme (in line with other institutes like NITs, IITs/universities of repute) initially with 20 students from SLIET.
- ii. The department shall complete all the statutory requirements to start the programme from academic session 2024-25. A complete proposal be submitted to Dean (A) with financial requirements.

10.4 B.Sc. + M.Sc. Programs:

The presentation for the start of integrated B.Sc. + M.Sc. programme was given by Dr.V.K. Kukreja. It was proposed that the sufficient infrastructure is available with the Science Departments. It was also apprised that the existing faculty is willing to take the additional teaching load and initially the proposed course will be started as per the existing sanctioned faculty strength of science departments.

Suggestions in the 1st Progress Review Meeting: It was decided to –

- a) Work out on the seat matrix e.g. entry from CCMT/SET/vertical entry.
- b) The requirement of additional faculty/staff members, if any

The Science Departments were requested to run the courses and attract admission in the courses for 1-2 years and only thereafter, the demand for additional faculty may be made. It was suggested that in case of additional faculty is required that can be met out from the self-finance mode. A survey may be conducted by designing google forms/other means students / parents for the start of programme.

The integrated B.Sc. honour + M.Sc. programs may be started from academic

year 2022-23 initially with an intake of 20 students each in Physics, Chemistry and Mathematics, in addition to the number of seats already existing for the PG programs in these Departments.

RESOLVED THAT

- i. The programme (5-year integrated MSc) shall be started from academic session 2023-24 with a batch of 60 students (20 in each Physics/Chemistry/Mathematics) in addition to the number of seats already existing for the PG programs.
- ii. The concerned departments (Physics/Chemistry/Mathematics) shall hold joint BOS and put up the complete proposal (course structure and admission procedure etc) for approval of the senate.
- iii. Further, all the statutory requirements shall also be completed with time line by the department.
- iv. A survey be conducted from stakeholder with suitable sample size.

10.5 PG Diploma in Actuarial Sciences:

HOD (Maths) proposed to start the PG Diploma in Actual Sciences and started his presentation. He apprised that the PG Diploma in Actual Science is highly in demand in foreign countries and also this programme is run in some premier Institutions of the country.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestions in the 1st Progress Review Meeting: It was asked to conduct a survey from students / parents for the start of programme. HOD (Maths) was also requested to work out more on the modalities for the start of programme e.g. approval process, requirement of additional faculty. It was also desired to explore the possibility to start in self-finance mode.

RESOLVED THAT

- i. The department shall explore the possibility to start the programme in HYBRID MODE (offline/online)
- ii. Identify the faculty and all the statutory requirements.
- iii. Survey be improved with larger sample size from different category

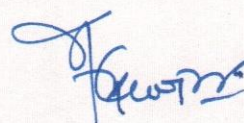
10.6 ICD in Precision Agriculture:

Dr. Surinder Singh, HOD (ECE) along-with Dr. Dalip Kumar, Professor (ECE) proposed to start an ICD Program in Precision Agriculture and started their presentation.

The detailed write-up for the activities will be presented in the next 2-Days Progress Review Workshop on Vision Plan "SLIET-2030" which will be held on December 23-24, 2021.

Suggestions in the 1st Progress Review Meeting:

- a) It was suggested to work out more on the proposal at the level of department and other allied departments and the refined proposal covering the requirement for additional infrastructure/ manpower.



- b) A survey may be conducted from students / parents.
- c) The discussion was also held about the beneficiaries of the proposed programme with pre-requisite requirement of 4-5 acres of land.
- d) The modalities may also be worked out regarding intake of the students, duration of the courses, industrial training.
- e) ECE Department may also explore about signing of MoU with mapping Institutions about the start of the program.
- f) A proposal for grant of funds may also be written and sent to Ministry of Agriculture.
- g) Before conduct of BOS, mapping of the program with other Institutions may also be conducted.
- h) Possibility be explored to start one-year advance diploma
- i) The task force may also work on development of Centre on Precision Agriculture.
- j) Projects may also be written for fetching funds from external funding agencies.

After detailed deliberations, it was decided that the possibility be explored to start a non-formal programme. It was also decided that the techFEST-22 theme be focused on Precision Agriculture. The details may be worked out for informal program for the nearby rural people having agriculture background to train them for the technological use of the agriculture equipment.

RESOLVED THAT

- i. The department shall start with the develop a skill based laboratory for precision agriculture as per needs of the rural youth involved in Agriculture.
- ii. The department shall explore the possibility of signing MOU(s) with expert institutes/universities.
- iii. The department shall plan for the development of Centre of Excellence in the area and submit proposal(s) for funding from external agencies.
- iv. Initiate with the conduction of short term training in the area in association with nearby experts/institutions.
- v. Further, proposal be modified for the start of a PG Diploma

10.7 M.Tech. programme in Material Science & Engineering

Dr. A.S.Shahi, HOD (ME) proposed to start a **M.Tech. programme in Material Science & Engineering** in collaboration with Department of Physics. HOD (ME) further proposed to work out the details, separately having equivalence to the M.Tech. programme of AICTE/UGC/ any other regulating bodies.

RESOLVED THAT

- i. Mechanical Engineering department shall be the Nodal department along with department of Physics.
- ii. The concerned departments shall complete all the statutory requirements to start the programme from academic session 2024-25.
- iii. A complete proposal be submitted to Dean (A) with financial requirements.


Prof. Harish Kumar Chopra
 Convener (Review Committee)