

MINUTES OF THE MEETING OF THE STRATEGIC PLAN (2022-2026) REVIEW COMMITTEE HELD ON 22.02.2022 AT 2.30 PM IN THE CRC BOARD ROOM AT I.T.S ENGINEERING COLLEGE

Members Present

1	Dr. Mayank Garg	Director	<i>Mayank</i>
2	Dr. Sanjay Yadav	Dean- Student Welfare, HoD-ME	<i>S Yadav</i>
3	Dr. O.P. Chaudhary	HoD- B.Tech I Year	<i>O.P. Chaudhary</i>
4	Dr. Ashish Kumar	HoD-CSE	<i>Ashish</i>
5	Dr. Monika Jain	HoD-ECE	<i>Monika</i>
6	Dr. Sunita Shukla	HoD-MBA	<i>Sunita</i>
7	Dr. Akant Kumar Singh	IQAC Coordinator	<i>A. K. Singh</i>
8	Dr. Vrinda Sachdeva	Associate Professor, CSE	<i>Vrinda</i>
9	Dr. Harsh Gupta	Assistant Professor, ME	<i>Harsh</i>
10	Dr. Renu Chaudhary	Assistant Professor, ASH	<i>Renu</i>
11	Mr. Agha Asim Hussain	Assistant Professor, ECE	<i>Asim</i>
12	Ms. Sana Vakeel	Assistant Professor, MBA	<i>Sana</i>
13	Ms. Niharika Shukla	Assistant Professor, CE	<i>Niharika</i>
14	Mr. Rakesh Kumar Garg	Assistant Professor, ASH	<i>Rakesh</i>
15	Mr. Sameer Kumar Singh	Assistant Professor, CE	<i>Sameer</i>

At the outset, the Director extended a cordial welcome to the members for the review meeting after several iterations of the draft for the Strategic Plan (2022-2026).

The members then noted the following points with regards to strategic plan (2022-2026).

1. The Strategic plan is critical to any institution and provides roadmap to the future activities.
2. The Strategic plan (2017-2021) with long term and short term perspectives was in effect. The implementation of the strategic plan was executed by the Director with the support and involvement of all the faculty members.
3. The unaccomplished objectives of Strategic plan (2017-2021) have been incorporated in the review meeting of the Strategic Plan 2022-2026. The draft of the plan follows.

*for approval from Secretary Sir
and circulate to all departments*

Mayank

22.02.22

*Seen and approved,
Dr. also put-up in
BOG meeting for
final approval.
23/2/2022*

The following basis are considered for formulating the strategic plan from 2022 till 2026 in the present industrial and academic scenarios.

- SWOC Analysis conducted through IQAC and senior faculty members of the institute
- Observations of various assessing agencies
- Administrative and academic policies and, practices of the institute
- Parameters of NIRF, IIC and ARIIA ranking to improve standing
- Improve student success ratio
- Improve Institutional outreach
- Future challenges

Earlier strategic plan was up to 2021, it was decided to re-look the strategic plan based on the above parameters in the perspective of 2022-2026. The IQAC Core Committee approved the proposed strategic plan 2022-2026 in its meeting held on 22.02.2022, after several iterations of proposed suggestions.

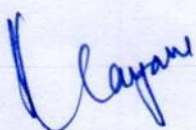
The present Committee aims to further review the strategic plan. The final draft plan will be presented for approval of BOG.

1. Implementation of New Education Policy 2020

The National Education Policy 2020 (NEP 2020) outlines the vision of India's new education system and the policy aims to transform India's education system. The college shall chalk out the modalities of its implementation with specific reference to engineering and management education through:

- The institute is affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow, and has to follow the syllabus prescribed by them. Although, the university is regularly modifying the syllabus after every 3-4 years and has introduced department core electives and open electives for the students from third year onwards. In order to make the student industry compatible, multidisciplinary value-added courses to be introduced in the curricula for holistic development.
- The component of practical and hands-on training to be given more importance in addition to theory component.
- Curriculum-based experiential learning by imparting hands-on training followed by mini projects after each year during the summer break.
- Experiential learning by including arts, cultural, literary and sports integrated education as well as group discussion, debates, extempore, seminar and story-telling based pedagogy to improve attitude and inculcate leadership skills.
- Creating digital content for online courses in cutting-edge domains, with the mode of delivery being in bilingual (English and Hindi) languages, making the classroom learning more effective.

To constitute a committee comprising of senior faculty members to monitor the implementation of the above plan in regards to NEP 2020.



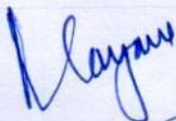
2. Research & Development

ITSEC acknowledges innovations and research as a key focus area. The institution has developed necessary infrastructure for quality research and innovation, IPR and Consultancy. The institution encourages the faculty and students to take up research endeavors through number of initiatives in sensitizing/promoting research environment.

To promote research and innovation, IPR and Consultancy, new skill enhancement centers and innovative Fab labs to be upgraded. The Fab lab for innovative projects to be best-in-class, well-equipped and sophisticated. The facilities are regularly updated to stay advanced.

To further enhance the institutional achievement in R&D,

- Revising R&D Policy
- Motivating faculty to get Ph.D. degree by providing paid academic leaves and recruiting faculty with Ph.D. degrees
- Aim to ensure that at least 75% of the faculty possesses a Ph.D. qualification till 2026
- Rewarding faculty members publishing quality research publications through cash incentives
- Financial support and on-duty leaves for participating in conference, seminars and FDPs/workshops
- Full financial support for patent filing for students and faculty
- Educating faculty about the procedure of patent filing.
- Creating awareness about IPR among the faculty and students.
- Conducting workshops, seminars, Guest Lectures on IPR
- Enhancing research and patenting culture at ITSEC
- Commercialization of Intellectual property such as Patents, Copyright, Trademark etc.
- Faculty internships in reputed Industry / institutes
- Facilitating multidisciplinary and collaborative research with industry and institutes
- Organizing various workshops/ seminar/ trainings related to promotion of research
- Project exhibitions, hackathons, electrathon, etc. and idea pitching events to promote innovation and research
- Non-government grants (Foundation, Industry, etc.)
- Promoting faculty and students to solve live industrial problems
- Cluster wise external mentors for innovative and R&D projects
- Preparing database and facilitating to apply various grants and funding
- Subscription of quality e-journals
- Subscription of plagiarism software,
- Subscription of modern research tools
- Providing an inclusive environment for promotion and support of Consultancy Activities to enhance the outcomes/revenue generation
- Liaisoning between the institute and industry/ government / non-government agencies to undertake projects with specific problem of short- term and long-term duration.To enter into necessary MOU and agreements
- Creating and maintaining database for expertise of the College faculty and facility by getting inputs from respective faculty/departments





- Developing dedicated exclusive testing laboratories for its associated services

R&D committee comprising of Director and senior faculty members as per institute policy to monitor the implementation of the above plan in regards to R&D, IPR and consultancy.

3. Developing complete digital infrastructure in ITSEC

In present era of technology, the college strongly believes in transparent functioning and governance through digital infrastructure for all its stakeholders. The prerequisites for developing a complete digital infrastructure in the campus have been developed and some more plans are as follows:

- Software subscription to connect Alma Mater
- Functioning based on academic and administrative ERP; SoftQual for academics, CMS for online complaint management system, HRMS for online human resource management, Alice for online Library Management System, Orion for Store Management, Zoho for Finance Management, NoPaperForms (NPF) for admission and enrollment process
- ERP integration for NBA, NAAC, NIRF and IIC for assessment of quality parameters outcome-based education assessment process
- Advanced machines with high-end GPUs for AI & ML based research and innovative projects
- Management of internal networks using High-End Servers
- Promotion of open source Software and modern tools
- Availability of bulk Business WhatsApp messaging services for prompt intimation to students and parents
- Organizational subscription of Google services for communication and connecting with all stakeholders
- Establishment of ICT-enabled (projector and computer with internet facility) classrooms and labs
- Monitoring of students and faculty attendance through biometric machines
- Observation of live classes through CCTV equipped classrooms and labs
- Smart studios for digital content creation and lecture recording
- 24 X 7 Digital and Virtual labs access for students
- Upgradation of Servers and Cloud based storage space

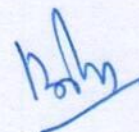
4. Introduce New UG and PG Programs

To be in the forefront of technological advancements and to meet the current and future industry requirements, the institution continuously needs to offer diversified courses. This will provide the student community opportunity to fulfill their career goals. The institute shall introduce new programs of study (UG & PG) with a vision to meet the dynamic industry demand.

5. Enhance Placement by Core Sector Companies

The Training and Placement Cell handles all aspects of campus placements for the graduating students at ITSEC. The department is well equipped with excellent infra-structure to support every stage of the placement process. Arrangement for Pre-Placement Talks, interviews, Group Discussions etc. are well handled. The cell has emerged as a favored destination for many National and Multinational companies who regularly recruit fresh talent nurtured from our





Institute. More than 200 reputed Companies visit the campus every year. More than 90% of the eligible Students get placed. However, it is observed that only fewer students get placed in core areas/domains.

- There is a need to focus on core sector industries with enhancing skills in the area of emerging technologies (EV, Industrial IoT, Robotics and Industrial Automation, Embedded, VLSI design, Industry X.0, AI & ML, Smart City Automation, Data Science and Deep Learning, etc.).The assessing agencies have observed that placement scenario in core domains is very limited in non-IT programs in the last couple of years. Necessary measures to be taken to enhance placements in core domains.
- Creating environment for Innovation and Entrepreneurship
- To establish a state-of-the-art Incubator facility to promote startups and entrepreneurship
- Incubate successful startups creating innovative products and business models using the knowledge and technologies developed by the Institute
- There is also a need to increase engagement for placement for Postgraduate students across disciplines.
- Skill development initiatives to provide training to the students to enhance their Employment/ Entrepreneurship opportunities.

6. Foreign Language Program

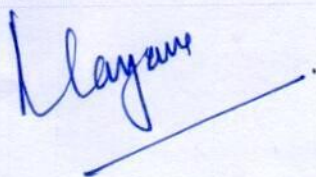
- Providing opportunity for the students to learn foreign languages, such as French, German, Japanese, Spanish, etc.
- As the world comes to India and Indians are making a global impact, the knowledge of foreign languages provides our graduates a definite edge over their technical counterparts.
- The knowledge of foreign languages will be an asset for those who intend to join multinational companies and also those looking for opportunities abroad.
- The advantages of learning foreign language also include confidence, creativity, newcareer prospects and improved relationships.

7. Global Connect

- In the present time of globalization and government intervention to attract foreign universities to enhance the quality of education as per NEP 2020, international collaboration/linkages are paramount to make ITSEC, a global player.
- To identify and explore areas of cooperation and linkages with reputed foreign institutions
- International partnerships primarily in the areas of joint research, curriculum planning /Development /implementation /delivery, exchange of publication, organizing conference /seminars /workshops etc.
- To explore the possibility of faculty and student exchange programs
- To undertake academic, cultural and industrial tours

8. Technology and Innovation Students' Clubs and Societies

Fostering the development of critical thinking and encouraging the exploration of diverse perspective in processes and projects leading to the development of prototype/minimum viable product. To promote the above concept, it is proposed to establish a Technology and Innovation





Students' Clubs and Societies.

- The clubs and societies shall aim to inculcate technical skills and the culture of innovation amongst students to work on multidisciplinary projects and encourage them to generate new ideas.
- The clubs and societies shall create a vibrant knowledge network of students across the disciplines.
- To conduct regular events, group discussions and brainstorming sessions, project exhibitions, case study presentation, hackathon, electrathon, technical trainings, competitions, quizzes, etc.
- The faculty and external mentors will mentor the students to convert their innovative ideas into a prototype

9. Clubs and Societies for Extra-Curricular Activities

- Promoting students to organize and participate in extra-curricular activities – cultural, arts, literary, sports, etc., for holistic development of the students
- Extra-curricular activities will help the students in expressing themselves to be more creative, think critically and embrace new challenges, fostering personal growth and self confidence
- Students often find themselves juggling academic commitments along with their extra-curricular pursuits this demands will make them learn effective time management, prioritization and balancing responsibilities preparing them for real world challenges they will face as adults
- Students interact with individuals from different background, cultures and interest expanding their social circle and developing interpersonal skills
- Students learn the importance of being responsible citizens, develop empathy towards others and become aware of the impact they can make on their communities
- Organizing extra-curricular activities to enhance leadership skills, personality development, humble and responsible citizen to create a positive impact on society
- Motivating students to participate in state and national level competitions to contribute for attitude and character building

10. Sustainable Campus

- Standardizing the administrative and academic processes to be recognized as ISO Certified institution to be a globally recognized organization
- Formation and implementation of an Environmental policy to have a certified Green Audited campus
- Installation of solar panels
- Energy and flow meters for monitoring energy and water consumption
- Usage of PUC certified vehicles
- Implementation of government directives for certified energy audit
- Plantation of trees
- Composting of Biowaste
- E-waste management

Wajid

Wajid

11. Societal Initiatives

As an institute of repute, I.T.S Engineering College should be looked upon as a model institute in helping the local community by addressing the issues that needs solution. It should take the lead and sensitize the local community and the larger society in creating awareness about the need for caring about health and hygiene, entrepreneurship, women empowerment, gender sensitization, environment, etc. The major activities planned hereunder are

- To adopt a village
- Organizing awareness and support programs on above mentioned areas
- To encourage students', take up community based projects to help finding remedies to plaguing issues

12. Strategic Plan Progress Monitoring Committee

It is proposed to have a Strategic Plan Progress Monitoring Committee with an aim to monitor and submit action taken report to check the progress of the strategic plan.

- Constitution of committee with the senior faculty members involved in preparation of final draft of the strategic plan will monitor the progress.
- To achieve the strategic plan an action plan to be prepared for the departments
- To assign responsibility, timelines, and specific work with an aim to ensure the plans are being implemented
- To review the progress and challenges in implementing the strategic plan
- To review the documentation related to the strategic plan, goals, initiatives, and accomplishments.
- To prepare the compliance report on the extent of compliance for the strategic plan once in a year

Clayton
22/02/22

Bdm
3/2/22