IQAC meeting was held on May 04, 2022, at 3:00 PM in committee room. Following members were present.

Prof. Prakash Gopalan, Director, Chairman IQAC
Prof. Ajay Batish, Deputy Director & IQAC Coordinator
Prof Rafat Siddique, DoRSP
Prof. R S Kaler, DoFA & HEIED
Prof. Inderveer Channa, Dean of Student Affairs
Prof. Maninder Singh, DOAA
Prof. S S Bhatia, COE
Prof. Prempal Bansal, Head, CED
Prof. Rajeev Mehta, Head, HCHED
Dr. Shalini Batra, Head, CSED
Prof T K Bera, Head MED
Prof. Alpana Agrawal, Head, ECED
Prof. M.S. Reddy, Head, BTD
Dr. S. C. Bose, Representative of Head, SHSS
Prof. Mahesh Kumar Sharma, Head, SOMS
Prof. Satnam Singh, Head, SCBC
Dr. Anoop Verma, Head, SEE
Prof. Kulvir Singh, SPMS
Dr. Vinay Kumar representative Head, TSLAS
Dr. H. S. Bawa, Head, CILP
Mr. Ashwini Kumar Kapoor, Alumni
Mr. Anurag Mishra, Student Representative
Ms. Srishti Bhardwaj, Student Representative

The following could not attend the meeting and were granted leave of absence.
Dr. Gurbinder Singh, Registrar
Mr. Rajat Sikka, Academic Liaison Officer, TCS
Prof. Padmakumar Nair, Director, LMTSoM
Mr. Sanjay Sen, Representative of BoG

**Action taken report on the minutes of previous IQAC**

All pending issues have been acted upon and completed.
A brief presentation on action taken report and other activities of IQAC was made by the IQAC coordinator. The report below summarizes the discussion points.

**Academic working 2021-22:**

The first semester of the academic year 2021-22 was conducted in hybrid mode in which 70-80% of the teaching and evaluation were conducted face to face. This includes a written test which was conducted with the weightage equivalent to End Semester Test in an offline
mode. Remaining teaching and evaluations are being conducted in online mode. The second semester of the academic year 2021-22 was conducted in regular mode, where an option for online mode was also given to students. Almost 95% of the students attended the semester in offline mode. All the evaluations including Mid semester and End semester examinations were conducted in the offline mode.

**Stimulating research, development, and consultation:**

Thapar Institute offers world-class infrastructure and a sound knowledge base to carry out complex research projects. Research is a stated mission, and many are funded by government agencies and industry. Our research projects are not just for technological innovation but also for amplification of research results, transfer of technology and establishing technology driven businesses. Thapar Institute has several centres of excellence for students and researchers. Many respected and renowned Indian and international companies are associated with this learning centre for research and faculty exchange programs.

Cutting-edge research is at the heart of the university, which believes that original research must be the backbone of engineering education. Thaparians had 1116 published research papers in SCI Journals in 2020-21 and many sponsored research projects are currently ongoing in different disciplines. With research focused in niche areas of engineering and sciences, Thapar Institute of Engineering & Technology has over 9600 published research papers in peer-reviewed journals under its belt.

<table>
<thead>
<tr>
<th>Total No. of SCI papers (2016-2022)</th>
<th>No. of Faculty members with at least 10 SCI papers (2016-2022)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6897</td>
<td>265</td>
</tr>
</tbody>
</table>

**Research Indicators**

The Institute faculty have published 1362 Scopus publications in the last year Jan-Dec 2021. The average citation for publications from institution has risen to 14.9 from last year’s 13.93. The h-index of the institute has also been increased to 110. Overall, on average each faculty

Prof. Prakash Gopalan                Prof. Ajay Batish
Chairperson, IQAC                   Coordinator, IQAC
members have published at least 2 papers in Scopus/SCI journal meeting the expectation set in the last meeting.

![Figure 2: Publications by TIET Faculty](image)

![Figure 3: SCI Publications in last 5 years](image)
Institute faculty members secured a total grant of ₹1262.21 Lakhs from various funding agencies for cutting edge research in their domains. A total of 638 students have been funded by the institute/MHRD/other govt. funding agencies at various levels for contributing to ongoing research projects and their PhD programs in various departments/schools. Overall, the Institute has crossed the benchmark (>Rs.2 Lakh per eligible faculty) for research grant by securing Rs. 3.38 lacs per eligible faculty per year.
TIET has experienced remarkable growth in research activity during the last 5 years, and growth is often the by-product of doing things better. Some initiatives cited above and many, many more help explain TIET’s journey till date. **Going forward the institution aims to make targeted investments to develop new interdisciplinary and inter-institutional collaborations to establish six centres of excellence (COE) across identified research themes.** TIET is also undertaking multiple other initiatives to build research excellence.
focused at solving real world problems and providing students with experiential learning for better application and analytical skills.

TIET has already established three chairs to lead the Food Security, Emerging Materials and Advanced Manufacturing Centers during the last 20 months. The food security chair is led by Prof Yosi Shacham from Tel Aviv University and the Emerging Materials Chair is led by Prof Roop Mahajan from Virginia Tech. The third chair was established recently with appointment of Prof Noam Eliaz from Tel Aviv University to lead the Advanced Manufacturing Centre. All the three Chairs are eminent professors with wide research experience in their fields. Two of these centers are already operational at Patiala and both Chair Professors have followed similar strategies in running their respective centers. As the 6 CoEs get established, it is expected that close to 200 academic members of TIET staff, 100 Postdoc or PhD students would be working in these centers during the next five years.

Some of other initiatives that will be taken to build research capability include:

- The institute will promote interdisciplinary research among faculty members by creating research groups and offering enhanced incentives for the same. TIET will also recruit eminent faculty members in the existing strong areas as well as the new schools at the institute, focused on undertaking research and providing suitable guidance. TIET will encourage its faculty to regularly collaborate and research areas concerning the society. The institute will support faculty in publishing their material in peer-reviewed journals.

- The institute will adopt the mentor model for developing individual research capabilities and improving research quality across levels.

- TIET will attract adjunct faculty from global institutes and the industry for conducting research in complementary areas. The institute will incentivize faculty to expand individual networks and undertake joint projects with collaborators from other geographies and countries as well.

- Over the next five years, the institute will build cutting-edge research infrastructure, invest in required equipment, and provided the needed facilities to conduct the research targeted for this period.

- The institute will also procure high-end application instruments to strengthen the present research facilities in phased manner. The institute will invest in cutting-edge research facilities as well.
• TIET will conduct an internal annual competition for research funding across identified areas – allowing participants to develop focused research plans and success indicators to seek a suitable quantum of funding

• TIET will also create an IPR center to facilitate and provide suitable guidance for patent filing and patent commercialization

• **Center for Excellence in Emerging Materials**
  Three thrust areas have been finalized under Center for excellence in Emerging Materials including
  - Coal derived graphene.
  - Bio X;
  - Composites.

  A total of 36 projects are running under the center. The projects include 24 regular projects funded by the center and remaining as seed money projects offered by TIET. A total of 49 faculty members are involved in the activities at the center. In the last one year, the center has publication in 10 SCI refereed journals, and secured an extramural grant of Rs. 171.58 lakhs from DST, ICMR and CSIR.

• **Center for Excellence in Food Security**
  A total of ten different projects have been allocated under the TIET- TAU Center of Excellence for Food Security been undertaken by 18 different faculty members. The center has published 8 SCI refereed journal papers in the last academic year. The center also secured a project on Food Security from Intel worth 44.0 Lakhs.

**Frontier Research Areas**

- **1. DIGITAL VILLAGES**
  Data driven approach

- **2. WASTEWATER TREATMENT & BIOFUEL PRODUCTION**

- **3. MINIMIZATION OF POST HARVEST LOSSES IN VALUE CHAIN**

- **4. CROP MONITORING & WATER RESCHEDULING**

- **5. IRRIGATION WATER QUALITY MONITORING & MANAGEMENT**

- **6. WEED CONTROL**

  *Characteristics of Soil using treated Stubble Straw*

  *Since Dec.2019*

  *Since April 2021*

  *2022*

  *Figure 6: Projects at CoE Food Security*
• **Center for Excellence in Advanced Manufacturing**
  Prof. Millet Shamir (Vice President, Tel-Aviv University, Israel) and Prof. Prakash Gopalan (Director, TIET) signed an MoU for Center for Excellence in Advanced on 4th April 2022 under the Chair professorship of Prof. Noam Eliaz, Professor School of Engineering, Tel-Aviv University, Israel.

• **Center for Excellence in Data Sciences**
  Further, discussions are on for setting up a Center of Excellence in Data Sciences led by a Chair Professor from University of Queensland, Australia. An agreement has been made where TIET faculty from Computer Science and Engineering department can visit University of Queensland as post docs.

![Figure 7: Thrust areas for CoE in Data Sciences](image)

• **TIET Post-doctoral Program**
  TIET started a post-doctoral support program in 2017. Since then, around 26 faculty members have availed this facility. In 2020, 4 faculty members visited Trinity College Dublin, 3 at Tel-Aviv University and one at Virginia Tech University (VT). Their progress is being reviewed periodically. Few more post-doc opportunities at Virginia Tech and University of Queensland have been explored. University of Queensland and Tel-Aviv University has agreed to share 25% sponsorship cost to these post-docs.
INTERNAL QUALITY ASSURANCE CELL (IQAC)

**Academic Indicators**

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**Admissions 2020-21**

The Institute received a total of 24510 applications for 3330 seats indicating the demand ratio as 1:7.4. The Institute has set a target of 1:10 for the demand ratio, which is around 74% achieved. The Institute has 95.7% teachers who are PhD qualified.

All UG and PG programs have been transformed into outcome-based education, where every course learning outcome is measured throughout the year. The Institute has setup a minimum threshold for course learning outcomes as 3.5. More than 90% have achieved this target.
The courses that have the attainment less than 3.5 were asked to submit an action taken report/plan for improvement.

**Placements 2020-21**
In academic year 2021-22, 352 companies visited TIET for the recruitment of UG & PG students till date. Of the students from BE/BTech branches who were eligible and had opted for campus placements 1446 were placed and having 1568 offers. In BTech Bio-Tech 21 out of 40, Civil 18 out of 56, Chemical 11 out of 23, Computer Science 716 out of 784, Electronics and Communication 160 out of 196, Electronics & Computers 161 out of 186, Electrical 57 out of 68, Electronics Instrumentation & Control 24 out of 33, Mechanical 151 out of 237, and Mechatronics 18 out of 33 got placed through campus placement till date. The overall placement percentage of all eligible students of UG courses is around 89%. Apart from UG branches, 122 master students (MCA, ME, M.Tech, MSc, MA) also got placement through campus interviews, making it 42% overall in PG courses. Hence total numbers of offers received are 1568. Many organizations have extended the internship periods for the students due to pandemic and these students are likely to get offer in the coming times. The above data is updated till 25\textsuperscript{th} April, 2022.

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Companies Visiting</th>
<th>Number of students placed</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Single Offer</td>
<td>Multiple Offer</td>
</tr>
<tr>
<td>2016-2017</td>
<td>268</td>
<td>860</td>
<td>169</td>
</tr>
<tr>
<td>2017-2018</td>
<td>322</td>
<td>934</td>
<td>203</td>
</tr>
<tr>
<td>2018-2019</td>
<td>332</td>
<td>1174</td>
<td>75</td>
</tr>
<tr>
<td>2019-2020</td>
<td>347</td>
<td>969</td>
<td>126</td>
</tr>
<tr>
<td>2020-2021*</td>
<td>417</td>
<td>1096</td>
<td>118</td>
</tr>
<tr>
<td>2021-2022*</td>
<td>352</td>
<td>1324</td>
<td>122</td>
</tr>
</tbody>
</table>

*Till 25.04.2022

Apart from regular visitors, organizations visited the campus for first time for campus interviews. The first timers are Gameskraft, Cloud Mentor, Docquity, Colgate-Palmolive (India) Limited, Filo, McKinsey & Company, Mamaearth, Tata Power Limited, Hindustan Unilever, NTT DATA Corporation, Delhivery Pvt Ltd, Zibal Technologies Pvt. Ltd., Tata Technologies, Samsung SDS India, Barco Electronic Systems Pvt. Ltd., AB InBev, Convene India Private Limited, Strategic Research Insights, Indian Oil Corporation Limited, PharmEasy,
INTERNAL QUALITY ASSURANCE CELL (IQAC)


Figure 9: Major Recruiters

CAPSL 2021

a. **New Directions Program (NDP):** A new batch of new directions program (NDP) has started from 6th September 2021 for a week. The program runs for full semester till March 2022 and will continue for another 3-4 subsequent rounds of one week engagement of faculty members. There are 72 participants in the 6th batch of NDP, which has been divided into 4 groups. The faculty members will undergo 5 core modules, 5 Fellow optional (FO) and 3 CAPSL optional Modules during NDP.

<table>
<thead>
<tr>
<th>Core Modules:</th>
<th>FO Modules</th>
<th>CAPSL optional Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Centric Learning</td>
<td>Peer Observation of teaching</td>
<td>Creativity</td>
</tr>
<tr>
<td>Assessment</td>
<td>Project based learning</td>
<td>Group work</td>
</tr>
<tr>
<td>Curriculum</td>
<td>Fostering self-regulated learning</td>
<td>Evaluated teaching</td>
</tr>
<tr>
<td>Reflection</td>
<td>Research integrated teaching</td>
<td></td>
</tr>
</tbody>
</table>

Table 2: Modules of NDP 2021
b. **Advanced Program in Teaching and Learning 2021**: The advanced program in teaching and learning (ADP) focuses on professional development and integrating teaching, learning in an online environment. The whole program is designed by Thapar Trained Academic Fellows with inputs from Trinity College, Dublin and TIET academicians. The program is research-informed and is practice-based. A total of 47 different faculty members have successfully completed this course. There are nine modules offered in the course spanning three months. The modules include:
  
  i. Design of E-Content.
  ii. Content Authoring tools.
  iii. Modes and components of online assessment.
  iv. Pedagogy and best practices of online teaching.
  v. Enhancement of student motivation and online engagement.
  vi. Student engagement.
  vii. Approaches to conduct labs in an e-learning environment.
  viii. Accreditation.
  ix. Workshops on open and institutionally supported LMS.

IQAC of Thapar Institute of Engineering and Technology Patiala organized two days NAAC sponsored National workshop on “A Paradigm shift from Content based to Outcome based Education” during 26-27th August 2021. The workshop hosted various participants from 20 different states of India. The workshop was inaugurated by AICTE chairman Prof. Anil Sahasrabudhe.

**Student Satisfaction Survey**
An annual student satisfaction survey has been conducted by the Institute over all the existing students. 2550 students participated in the survey. The survey measured satisfaction of students related to academics, research, and governance. The survey results are available at [https://drive.google.com/file/d/156EeFe6wrsS3BnQTSw7vL8UcejXBP2Jk/view?usp=sharing](https://drive.google.com/file/d/156EeFe6wrsS3BnQTSw7vL8UcejXBP2Jk/view?usp=sharing)

**Governance Indicators**

Prof. Prakash Gopalan  
Chairperson, IQAC

Prof. Ajay Batish  
Coordinator, IQAC
Dean of Academic affairs reported a total of 180 days of teaching during 2020-21. The Institute took an average of 25 days for publishing the result from last day of examination. Most of the UG programs are either NBA or have applied for renewal. Five UG programs have applied for ABET re-accreditation. At this point none of the PG program are accredited. IQAC advised all the heads of programs to apply for accreditation of eligible PG programs during next two years.

Rankings and Accreditations

- Ranked in 501-600 bracket worldwide
- Ranked 5th amongst 71 Indian Institutions ranked

**Subject Rankings**

**Engineering:**
- 401-500 bracket worldwide (last year 501-600)
- Joint 3rd in India (Last year joint 12th in India)

**Computer Science:**
- 301-400 bracket worldwide (last year 251-300)

**Physical Sciences:**
- 401-500 bracket worldwide
- Worldwide – Ranked in 251-260 bracket worldwide (last year in 261-270 bracket)
- India – Ranked 32nd in India along with NIT Trichi
- In Private Institutions – 4th in India (after BITS, VIT & Manipal)
Figure 10: Section-wise scores in NIRF Ranking 2021

Key Action Points

- **Research**

<table>
<thead>
<tr>
<th>Action Point</th>
<th>Responsibility</th>
<th>Target Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>It was observed that the number of Scopus publications in the last few years have declined on the basis of number of papers per faculty. Similarly, the number of Book chapters / Scopus conference publications by faculty members are also not growing. The members of IQAC advised Dean Faculty affairs to suggest appropriate ways to incentivize all the research metrics such as publications, projects, patents etc. DoFA to present during the next meeting.</td>
<td>DoFA</td>
<td>February 2022</td>
</tr>
<tr>
<td>IQAC noted with concern, some patents published during the year do not show TIET as first party for registration of patents. The committee advised that every patent application should be filed as TIET patent policy Version 2.0(Section 3.6, 3.7 &amp; 3.8). The policy is available at DoRSP</td>
<td>With immediate effect</td>
<td></td>
</tr>
</tbody>
</table>
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

Adhering to this policy is a must.

Increase the number of stipendiary students for research. To develop a proposal for rationalizing the fee applicable for PhD students inline with peer institutions. IQAC coordinator to present a proposal in the next meeting.

<table>
<thead>
<tr>
<th><strong>Academics</strong></th>
<th><strong>Head of Departments/Schools</strong></th>
<th><strong>With immediate effect</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>The IQAC members advised that the departments are not organizing enough</td>
<td></td>
<td></td>
</tr>
<tr>
<td>conferences/workshop courses/short-term courses during the year. It was</td>
<td></td>
<td></td>
</tr>
<tr>
<td>agreed at least four conferences/workshops/short-term courses/external</td>
<td></td>
<td></td>
</tr>
<tr>
<td>training programs per academic unit. The members advised to form a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>committed to formulate policies for increasing the number of conferences.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The students’ representatives pointed out that the 1(^{st}) and 2(^{nd})</td>
<td></td>
<td></td>
</tr>
<tr>
<td>year students are not getting any career guidance in their programs. The</td>
<td></td>
<td></td>
</tr>
<tr>
<td>committee advised that all the Heard of Programs should hold regular</td>
<td></td>
<td></td>
</tr>
<tr>
<td>meetings with the students to guide them about the carrier in respective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>programs. The Center for Training and Development should also make career</td>
<td></td>
<td></td>
</tr>
<tr>
<td>guidance programs for 1(^{st}) and 2(^{nd}) years students.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The committee members raised concerns about low salary packages for PG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>students. The core sector placement has also been affected due to pandemic.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>It was advised that Head CILP to investigate and submit his findings.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Governance</strong></th>
<th><strong>Heads of Academic Units</strong></th>
<th><strong>Over next two years</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>It was advised that all eligible UG and PG programs should also apply for</td>
<td></td>
<td>Over next two years</td>
</tr>
<tr>
<td>NBA accreditation as soon as possible.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The results must be declared within 15 days from last day of examination.</td>
<td></td>
<td>From Current semester</td>
</tr>
</tbody>
</table>
The committee advised to form a task force for improvement of Institute perception score.

<table>
<thead>
<tr>
<th>Method of Computation</th>
<th>Benchmark value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No of SCI research publications per teacher per year</td>
<td>3</td>
</tr>
<tr>
<td>Total research grant received in 2020-21 / No of eligible teachers</td>
<td>2.0 lac per eligible teacher per year</td>
</tr>
<tr>
<td>Total no. of research students / Total faculty</td>
<td>2.5 per year per teacher</td>
</tr>
<tr>
<td>Total no of depts. who got support / Total no of departments</td>
<td>20%</td>
</tr>
<tr>
<td>Average citation per item on web of science</td>
<td>20</td>
</tr>
<tr>
<td>Number of patents</td>
<td>60</td>
</tr>
<tr>
<td>Total no of full time research scholars / Total no of research students</td>
<td>80%</td>
</tr>
<tr>
<td>No. of research students getting fellowship/ Total no. of full time research scholars</td>
<td>80%</td>
</tr>
<tr>
<td>Web of Science</td>
<td>110</td>
</tr>
</tbody>
</table>

Academic Indicators

<table>
<thead>
<tr>
<th>Method of Computation</th>
<th>Benchmark value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total no of admissions in all courses during the year / total no of candidates who applied</td>
<td>1:10</td>
</tr>
</tbody>
</table>
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

<p>| | | | |</p>
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<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>b)</td>
<td>Percentage of teachers having Ph.D.</td>
<td>No. of teachers with PhD/ Total no. of regular teachers</td>
<td>100%</td>
</tr>
<tr>
<td>c)</td>
<td>Average no of activities like Workshops, Seminars, Symposia, Conference conducted / year</td>
<td>Number of Workshops/ seminars/ conferences conducted during the year</td>
<td>60 / year</td>
</tr>
<tr>
<td>d)</td>
<td>Average Salary Package offered to UG students</td>
<td>Average Salary Package offered</td>
<td>Rs. 12 Lacs CTC</td>
</tr>
<tr>
<td>e)</td>
<td>UG Placements PG Placements</td>
<td>No. of students placed/Total eligible student</td>
<td>90% 60%</td>
</tr>
<tr>
<td>f)</td>
<td>New programs introduced in last year</td>
<td>New programs (UG &amp; PG) launched / total no of programs</td>
<td>5%</td>
</tr>
<tr>
<td>g)</td>
<td>Assessment of Course learning Outcomes</td>
<td>No. of courses in which CLO is assessed / Total number of courses</td>
<td>100%</td>
</tr>
<tr>
<td>i)</td>
<td>Assessment of teachers by students</td>
<td>No of courses in which assessment has been introduced / Total no of courses</td>
<td>100%</td>
</tr>
<tr>
<td>k)</td>
<td>Number of NET/SET/GATE qualified students</td>
<td>Total No of NET/SET/GATE qualified candidates / total applications for PG</td>
<td>50%</td>
</tr>
<tr>
<td>l)</td>
<td>Faculty STR</td>
<td>Number of students/Number of Teachers</td>
<td>1:15</td>
</tr>
</tbody>
</table>
INTERNAL QUALITY ASSURANCE CELL (IQAC)

Governance Indicators

<table>
<thead>
<tr>
<th>S No</th>
<th>Indicators</th>
<th>Method of Computation</th>
<th>Benchmark value</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Actual teaching days per year</td>
<td>No of actual teaching days</td>
<td>180</td>
</tr>
<tr>
<td>b)</td>
<td>Minimum workload of teachers</td>
<td>No of hrs the teacher on an average spends in the University in one week / No of hrs expected under UGC Regulation</td>
<td>40 hrs</td>
</tr>
<tr>
<td>c)</td>
<td>Teaching – Non teaching ratio</td>
<td>Total No of teachers/ total no of non-teaching employees</td>
<td>1:1.25</td>
</tr>
<tr>
<td>d)</td>
<td>Regular meeting of Institute bodies like council, senate, BOG, BOS, etc</td>
<td>No. of meetings actually held/ No. of meeting required as per act</td>
<td>100%</td>
</tr>
<tr>
<td>e)</td>
<td>Percentage increase in physical infrastructure</td>
<td>Increase in physical space during the last year/ space at the beginning of the year 2020</td>
<td>10%</td>
</tr>
<tr>
<td>f)</td>
<td>NIRF Ranking</td>
<td>Ranking in 2021</td>
<td>Top 20</td>
</tr>
<tr>
<td>g)</td>
<td>NBA or ABET accreditation</td>
<td>Number of accredited programs/ Total Number of Programs</td>
<td>70%</td>
</tr>
<tr>
<td>h)</td>
<td>Final result declaration</td>
<td>No. of days after the last exam to declare the results</td>
<td>15 days</td>
</tr>
</tbody>
</table>

Targets 2025

Excellence in Teaching & learning

- Train and certify all faculty in academic practices
- Continually improve the learning outcome score (minimum 3.5 on a scale of 5)
- All undergraduates in engineering will participate in one or more of the following: competitive project teams, internship, research project, outreach
- Curricula continuously accredited by NAAC, NBA or ABET
- Increase student satisfaction with academic and mentor support for developing their graduate attributes and employability (Current campus employability 90%)

Excellence in Research

- 2500 peer reviewed publications per year in Scopus by 2025; 2000 in web of science every year by 2025
- Establish six research centres in the next five years (major defined as 10+ faculty, Rs 5 crore research funding and >20 funded graduate students)
- Increase the average number of PhD students per member of academic staff to at least 2.5 students.
INTERNAL QUALITY ASSURANCE CELL (IQAC)

- Increase our score for the citations-based measure on web of science at 15 citations per paper.
- To cross 20cr sponsored project funding by 2025.

**Outstanding student experience**

- Recruit at least 80% of our UG students from the top 20% All India JEE scores or 10+2 scores
- Increase the student numbers to 15000 by 2020 (current: 10000)
- Invite at least 700 employers on campus for student recruitment
- Improve the student placement from campus to 100% of all eligible students
- Organize career fairs and industry tech talks
- Hire a branding partner and use social media tools for brand enhancement

**Human Resource Development**

- Developing recruiting best practices to attract talent.
- Improve the teacher-student ratio to 1:15.
- One successful high-impact senior faculty recruitment per year.
- Increase our number of international applications for academic posts.

**World class infrastructure**

- Construct the 2nd phase of academic buildings and new student residences by 2024.
- Modernize the existing academic buildings by 2025.
- Upgrade and modernize the remaining labs by 2025.

**Partnering for impact**

- 2nd phase of the contemporization program for 2021-2025 with major focus of research.
- Improve number of our research publications which are collaboratively co-authored with other institutions.
- Increase our number of students on joint programmes to 100.
- Develop more joint programs with partners abroad.

**Innovative & entrepreneurial**

- 20 start-up companies by 2025 functional from our venture lab.
- 10-15 invited speakers on entrepreneurship every year.
- Two venture lab weekend activities every year.

The meeting ended with vote of thanks to the chair and a cup of tea.