



# POORNIMA

## INSTITUTE OF ENGINEERING & TECHNOLOGY

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NAAC and NBA

### **Minutes of the 15<sup>th</sup> meeting of the Governing Council of Poornima Institute of Engineering & Technology, Jaipur held on Friday, September 13, 2019 at Sirohi Conference Hall, PIET, Jaipur**

The 15<sup>th</sup> meeting of the Governing Council (GC) of Poornima Institute of Engineering & Technology was held on Friday, September 13, 2019 at 02.00 PM in the Sirohi Conference Hall, PIET, ISI-2, RIICO Institutional Area, Sitapura, Jaipur.

#### **The following members attended the meeting:**

- |                                   |  |
|-----------------------------------|--|
| 1. Dr. Surjeet Singh Pabla        | Chairman, Governing Council                        |
| 2. Sh. Shashikant Singhi          | Representative from Shanti Education Society       |
| 3. Sh. MKM Shah                   | Representative from Shanti Education Society       |
| 4. Smt. Dipti Lodha               | Representative from Shanti Education Society       |
| 5. Dr. Neeraj Jain                | Representative from Shanti Education Society       |
| 6. Sh. Hari Singh Shekhawat       | Representative from Shanti Education Society       |
| 7. Prof. (Dr.) Rohitashwa Shringi | Representative from Rajasthan Technical University |
| 8. Dr. Puneet Mathur              | Faculty representative                             |
| 9. Dr. Sama Jain                  | Faculty representative                             |
| 10. Mr. Sumit Sharma              | Alumni/Industry Expert of Civil                    |
| 11. Mr. Puneet Mittal             | Alumni/Industry Expert of HR                       |
| 12. Ar. Rahul Singhi              | Special Invitee                                    |
| 13. Mr. Pushendra Mudgal          | Special Invitee                                    |
| 14. Mr. Arun Rajpurohit           | Student Representative                             |
| 15. Dr. Dinesh Goyal              | Member Secretary                                   |

#### **In addition to the above members, the following also attended the meeting:**

1. Dr. Gautam Singh, Chief Proctor, PIET
2. Mr. Deepak Moud, Head, Department of Computer Engineering, PIET

3. Dr. Prannath Dadhich, Head, Department of Civil Engineering, PIET
4. Mr. Manish Singhal, Head, Department of Electronics & Communication Engineering, PIET
5. Ms. Shuchi Shukla, Head, Department of Electrical Engineering, PIET

Officials from All India Council for Technical Education, Officials from State Government, Prof. Gunwant Sharma, An Industrialist/Technologist/Educationalist from the region from NIT/IIT, Mr. Samsher Singh, Industry Representative, Mr. Vivek Kumar, Alumni/Industry Expert of CS/IT and Mr. Arjya Kumar Mishra, Alumni/Industry Expert of Electrical Engineering could not attend the meeting owing to unavoidable reasons/circumstances.

#### **Item 15.1 Welcome by Member Secretary and Introduction of Members**

Dr. Dinesh Goyal, Member Secretary, Governing Council, extended his cordial welcome to the Chairman, members and special invitees to the 15<sup>th</sup> meeting of the Governing Council. He also proposed thanks to all the members of 14<sup>th</sup> meeting of Governing Council. He informed about the AICTE mandate for conduction of the GC Meeting which is mentioned in the Approval Process Handbook 2019-20. He also discussed the significance of conducting GC meeting.

On request of Member Secretary, self-introduction was given by all the members and invitees. He provided the information about the Peer Team Visit from National Assessment and Accreditation Council, India (NAAC) in July 2019 and the accreditation status. He acknowledged the admission team for better admission in PIET. Before proceeding ahead, He read brief bio data of the Chairman, Governing Council.

#### **Item 15.2 Address by Chairman**

In the opening remarks, Dr. Surjeet Singh Pabla, Chairman welcomed the members and other invitees of the 15<sup>th</sup> meeting of the Governing Council. He expressed his gratitude to the management for inviting him to join the Governing Council as Chairman. He appreciated the efforts of all the stakeholders for better admission in PIET. He congratulated the member secretary on accomplishment of NAAC Peer Team Visit and appreciated efforts of maintaining good results and placement, which are main factors to attract more engineering aspirants. He urged the faculty members to identify new areas and provide information of cutting-edge technology to the students. In his address he expressed the concern of engineering faculty in the current crucial phase of engineering education. He advised the faculty members to skill the students according to the demand of the market.

With the permission of the Chairman, the Member Secretary began the proceeding as per the agenda items. The agenda were taken one by one incorporating the valuable inputs and suggestions from all the GC members.

**Item 15.3 To confirm the minutes of 14<sup>th</sup> Governing Council meeting held on September 22, 2018.**

The minutes of the earlier meeting were circulated to all the members for their comments. As there were no comments, it was declared by the Chairman that the minutes are confirmed and approved by the GC.

*The minutes were confirmed.*

**Item 15.4 To report follow up actions on suggestions of the 14<sup>th</sup> Governing Council meeting.**

The Member Secretary briefly described the actions taken on the minutes of the Governing Council meeting held on September 22, 2018. There was useful discussion and important suggestions were given on various points as follows:

**a. Teaching Learning Process**

**i. Practical aspects of Engineering to make Engineering Education more inclusive**

Member Secretary informed the GC members about various initiatives to explore the practical aspects of engineering education. He first informed the members about the new pattern followed by most of the mass recruiters. He informed that now most of the IT organizations like Infosys and TCS are not coming at the campus for hiring rather they are providing an online platform to test students' programming, logical and problem solving skills like InfyTQ, HackwithInfy, TCS CodeWita, TCS NQT ect. He added that in order to provide an exposure on online problem solving platform we have conducted first mid-term examination for specific labs on HackerRank Platform and we get good results.

House was also apprised about the accomplishment of more than 10 Industrial Visits, Education Tours and Survey camps being organized by PIET, which was very well appreciated.

House appreciated efforts of team PIET for organizing Invited sessions from Industry like IBM India, CISCO Technologies, etc.

He also informed about signing MoU with RedHat India Pvt. Ltd., Oracle India Pvt. Ltd, CESA Technologies, PUNE for offering Professional Certificate Programs to budding engineers.

Chairman appreciated the use of online problem solving platform and project based labs. He asked about the types of projects conducted.

Member secretary presented the documents having details of projects assigned to second year students of Computer Engineering and Civil Engineering.

Member secretary informed that few more industry oriented labs are in planning like Celebel Technologies and Automation Anywhere University.

## **ii. Outcome Based Education**

Member Secretary informed the GC about various activities conducted in PIET to promote Outcome Based Education (OBE) i.e. preparing Mid Term papers in-line with CO's & PO's of the respective Course and Program. Most of the questions asked in the paper are based on applications, analysis and evaluation.

Other methodologies adapted by PIET are, Problem solving using HackersRank. He informed the members that at PIET III & IV year students are designing Projects which have outcomes like Publications/ Patents/ Product. House was also apprised that OBE training of faculty members are being organized for Faculty members of PIET in association with NITTTR & TEQIP-RTU.

Chairman appreciated the practice followed by PIET to inculcate Outcome Based Education among the students.

Dr. RohitashwaSringi, Nomineer RTU, appreciated the steps taken for Outcome Based Education. He asked about the paper quality of internal

assessment, for the same Member Secretary presented with sample papers of I Midterm of 2018-19 session.

Institution is organizing Training of Faculty members contributed that all the faculty members are trained on various aspects of Outcome Based Education. To achieve proper results, many workshops at college level and department level have been conducted. All these workshops are being organized and conducted by Dr. Puneet Mathur. Now, all the faculty members of PIET are aware about Course Outcomes. Course Outcomes, which are based on Program Outcome and Bloom's Taxonomy, are an integral part of Course Diary.

## **b. Skill Based Learning**

### **i. Vocational Courses**

Member Secretary informed about the Professional Certificate Courses conducting at PIET on Cloud Computing, IoT, Business Intelligence in association with IBM India Pvt. Ltd. and STADD-Pro, REVIT, ETABS and AutoCAD in association with CESA Technologies. Each professional course is designed by industry and conducted by specific faculty members, who got certified from the organization.

Dr. RohitashwaShringi appreciated the initiative taken by PIET to conduct professional certificate courses. He informed that RTU allowed the institutions to conduct such courses on latest tools and technologies for benefits of the students. He also announced that RTU has established a Research Center at RTU for the faculty members of all the affiliated colleges, which may be beneficial for the faculty members doing research.

Members Secretary informed the GC that after success completion of the professional certificate course the students get the completion certificate.

### **ii. Problem Solving Skills**

Member Secretary informed that in order to promote problem solving skills among the students, there are many clubs has been formed, which helped the member students to improve their logical as well as problem

solving skills. These clubs are owned and run by the students. Besides those 32 teams of PIET participated in Smart India Hackathon-2019 and out of 32, the idea of three teams was selected for Final round. To provide a bigger platform to other students also, PIET is organizing Hackathon in the month of January/ February, 2020.

Member secretary informed that a Student Council is established in PIET and all the students clubs are now part of the student council, and few clubs namely Cytron, Origin, Codium and Aptinues are also organising various activities to enhance problem solving skills of students of PIET

Chairman advised that the student council must have its' agenda and activities planner in advance.

Chairman appreciated the efforts made by faculty members to improve problem solving skills of the students. He inquired about the functioning of students club.

Dr. RohitashwaShringi added that using these practices PIET can give 100% satisfaction to its students. As all students can not be placed through campus drives, so we need to prepare our students in such a way so that they can get the off-campus job.

### **c. Entrepreneurship and Industry Interaction**

#### **i. Platform for Innovation**

Member Secretary informed about Poornima Business Incubation Center (PBIC), which was established to provide support to young entrepreneurs. He also added that the institution is also working on patents and copyrights under PIET IPR Cell. All the faculty members and students are motivated to file a patent or copyright for their innovative ideas.

Chairman asked about the structure of PBIC and also asked about the support provided by Institution for PBIC for various activities.

Member Secretary discussed about PBIC constitution. He added that a full time faculty is also associated with PBIC for its smooth functioning. He

also informed the GC that PIET has also applied to Department of Science & Technology for funding of Rs. 2 Crore for PBIC. This funding will be used to nurture 50 Startups into working Business models in 3 years of the agreement.

Mr. Puneet Mittal inquired about the IPR activities in PIET.

Member Secretary informed the GC that PIET is motivating its faculty and students for IPR registration & its importance. Many awareness workshops on IPR have been organized in 2018-19 besides the establishment of IPR Cell. He also presented copy of Incentive based Policy of PIET to promote patents and copyrights among faculty members.

## **ii. Industry Interaction**

Member Secretary informed that PIET is associated with renowned organizations as part of industry interaction. He added that currently PIET is associated with more than 10 Industries for provisioning Faculty Training, Student Grooming, consultancy and Live projects as Industry Oriented, outcome based academic activities. Names of these partners are, Infosys, IBM, CESA, Red Hat, Oracle, Automation Anywhere Inc., Celebal Technologies, FACE, YI-CII and many more.

Chairman asked about the courses/programs conducted by the associates at PIET.

Member Secretary informed that IBM, Infosys, Red Hat, Oracle and Celebal courses are designed for the students of Computer Engineering, whereas course designed by CESA are specifically for the students of Civil Engineering. FACE prepared the students for placement drives.

Chairman suggested, identifying industries who can establish their labs in the institution on latest tools and technologies for students.

Mr. Shashikant Singhi, Chairman Poornima, added that PIET should send some faculty members in some industry for project sabbaticals for the duration of three to six months.

### **c. Other: Center of Excellence**

Member Secretary informed that PIET has established IIT Bombay Remote Center under NMEICT Project funded by MHRD. This center is benefiting the skill development of PIET faculty members on cutting edge technologies. Like Python, e-sim etc.

Workshops has been conducted by PIET on Research Techniques and Cloud Security in association with RTU under RTU-TEQIP.

Chairman urged faculty members of PIET to identify their area of strength, make a group, work on it and take the help of IITs or NITs to make them proficient and skilled in the specific area like IoT, 3D Printing, Robotics, Artificial Intelligence etc. After getting the skills, PIET can be Centre of Excellence of the above cutting-edge technologies.

Member Secretary informed the GC members that PIET is also in process of negotiations with Intel Inc. and Microsoft India Ltd. for establishing research labs in association with them.

### **The house also had discussion on two major topics:**

#### **1. Faculty Specialization**

Mr. Shashikant Singhi urged the management and faculty members of PIET to make their students competent enough, so that they can compete with other engineering students who passed with specialized programs like B.Tech in Cloud Computing, B.Tech. in IoT etc. e informed that AICTE allow the institutions to introduce latest technology courses with B.Tech.

Chairman suggested to provide of choice based elective subjects based on cutting-edge technologies instead of regular subjects.

Member secretary informed that we are the affiliated to RTU, we are bound to follows the subject and the syllabus designed by RTU.

Dr. RohitashwaSringi informed that if any institution wants to introduce new courses based on cutting-edge technology, they can send a proposal in proper format to RTU and they will consider these proposals in their BoS meetings.

## **2. Process to update faculty members in the ever-increasing competitive environment for the benefits of academics**

Mr. Puneet Mittal raised the point of faculty upgradation.

Member Secretary informed under <<>> policies PIET allowed its non-doctorate faculty members to pursue their Ph.D. from various universities. Besides that, as far as the technology is concerned many workshops are being conducted during year 2018-19. He informed that even faculty members may go outside to attend workshops or conferences. In past one year 34 faculty members were sponsored by PIET to participate in various International/ National Activities.

*With these discussions and valuable suggestions, the Governing Council noted the progress of follow up actions on inputs given in the 14<sup>th</sup> GC meeting.*

### **Item 15.5 To report important activities of Session 2018-19**

Member Secretary informed about important activities of session 2018-19 with the help of PPT presentation and supporting documents covering items as follows:

#### **15.5(a): Report of Session 2018-19**

##### **15.5.1 Admissions during past one year**

Member Secretary informed that this year 2019-20 total 236 students got admissions in PIET, which is 14% better than 2018-19, and thanked Dr. Neeraj Jain and his team for better results. Overall intake is still lesser than the sanctioned seats. This growth of 14% admission for year 2019-20 is because of the policies and academic practices followed by PIET.

Mr. Puneet Mittal also inquired about admissions in ECE branch.

GC Members discussed the downfall in admissions in ECE branch. Dr. RohitashwaSringi informed the GC Members that admissions in ECE Branch are declined among all affiliated college.

Member Secretary added that in PIET, placements in ECE branch were also reasonably good, but we could not get more admissions. Admissions in Computer Engineering are excellent and we get good admissions in Computer Engineering branch.

#### **15.5.2 Faculty Recruitment**

Member Secretary Apprised the council regarding the status of Faculty & staff members' recruitment and availability in the Institution. Council was also informed that 30% of the college is Doctorate and 16% are pursuing Ph.D.

Chairman appreciated the proactive measures taken by the institution to ensure 100% availability of faculty & also appreciated the rise in Doctorate faculty members in the Institution

#### **15.5.3 Students Attendance**

Member Secretary informed the Council that except final year all the other classes are able to manage good attendance as per SRA guidelines. It was also presented that attendance is rising in current semester, due to rigorous efforts by HoD's & Tutors of the Institution

Council was satisfied by the efforts of the Institution

#### **15.5.4 Student Results**

Member Secretary shared a milestone of getting 2 students of the Institution were able to secure place in RTU merit list.

Member Secretary presented the report that students studying under 2012-13 Scheme of Affiliating University have shown good rise in comparison to previous years.

Students under CBCS scheme implemented by affiliating University 2017-18 onwards (I & II year) have shown fall in results in comparison to previous years, still the results from previous semesters of the same class have shown good rise.

Dr. Rohitashwa Shringi, Professor RTU commented on fall of result and agreed that even RTU has seen similar fall across all affiliated institutions

#### **15.5.5 Student Higher Studies**

Council was apprised by Member Secretary that 109 students of 2018-19 batch appeared in GATE examination, out of which 8 students have been able clear the examination with good scores.

Council was happy to know that 15 students of 2018-19 batch have proceeded for higher studies also in premier institutions like IIT's & NIT's and management programs also.

#### **15.5.6 Placements in Session 2018-19**

Member Secretary informed GC members that 73% of enrolled students and 91% of eligible students got their placements through campus drives in PIET. It was also informed to the house that average package for session 2018-19, is INR 3.4 Lakh and highest package was 12.02 Lakh. He added that departments are doing great efforts to make their students employable. He also informed that departments and Training & Placement cell conducted mock drives and other placement activities including company specific training as part of pre-placement activities.

Mr. Puneet Mittal shared his experience of visiting colleges in south. He shared that although the infrastructure in most of the college in south is not good as compare to northern region colleges. Despite of the infrastructure, these colleges are having very good placement record.

Member Secretary discussed that there are very few industries are there in Rajasthan, that is why the connection with the industries is missing in Rajasthan.

Mr. Sumit Sharma suggested that the student of Civil Engineering can collect some samples directly from the site. That sample can be checked and tested in the laboratories in PIET. IF management allowed his organization then they are ready to certify the checking and sample report prepared by students.

Mr. Shashikant Singhi appraised the offer and asked Dr. Pran Nath Dadheech to find the possibility for the same.

#### **15.5.7 Faculty & Student Development Activities**

Member Secretary apprised the Council about more than 50 Students & Faculty Development activities were organized by the institution in past 1 year for creating awareness amongst the whole team on cutting edge technologies, R&D, IPR, human values and ethics etc.

Council was happy to note that most of these activities were organized in association with Agencies like AICTE, NITTTR, IEEE, ISTE etc.

#### **15.5.8 R&D Activities (Grants, Publications, Research etc.)**

Council was happy to note the effort of Shanti Education Society to sponsor its 15 faculty members for pursuing their Doctoral Programs.

Member Secretary profoundly shared with the Council that in session 2018-19, Institution has received grants worth Rs. 26 Lac, from various Government and Non Government Agencies like RTU-TEQIP (III), AICTE, NITTTR, ARKLE Consultancy.

As the Institution is focusing on IPR promotion also, inline of the same council was apprised that 6 Patents have been registered by team PIET in past 1 year and also about the new IPR policy to reach much bigger numbers in session 2019-20.

Council was happy to hear that 79 papers have been published in session 2018-19 by faculty members of PIET in session 2018-19, these papers were published in SCOPUS/UGC recognized Journals

Member Secretary also shared with the house that 34 faculty members have participated in various workshops/seminars/FDPs and many other capacity enhancement activities outside campus, which were fully sponsored by the Institution.

#### **15.5.9 Faculty Incentives**

Member Secretary shared with the Council that Institute has been motivating its faculty and staff members for their improved academic performance and technical publication. In view of the same in session 2018-19 Faculty members of PIET has received incentives of Rs. 4,00,000 and above, these incentives are 16% higher than last academic session.

Chairmen appreciated the policy of the institution and also advise to roll out policy for international book publication & IPR activities of the faculty members.

### **15.510 International/National Conferences & Workshop Organized**

Member Secretary informed the house that 6 International/National workshops were organized by the Institution in session 2018-19, in which more than 20 International & 300 National Participants have presented their research papers or delivered a keynote address.

The Chairman appreciated that out of above 25 papers have also been sent for Scopus Publication

### **15.5(b): Vision of 2019-20**

#### **15.5.11 Vision & Road Map of 2019-20**

Member Secretary shared with the house that, for 2019-20, PIET has set the target to achieve NAAC & NBA Accreditation, more SCI/Scopus Publication, Placements with higher Package and more quality Academics & Placements, receiving grants from funding agencies and many more!!

The road map appreciated and advised by the Chairman is

- More focus of faculty academics with a target of 5% increase in current result across all semesters
- More focus on student attendance, academic performance and learning outcomes
- Organizing 2 International Conferences, in December 2019 & March 2020
- Pursuing every faculty member to take atleast one ARPIT/NPTEL Course
- Scopus/SCI publication by each faculty member
- Pursing Research Grants worth 35 lac from various funding agencies in session 2019-20
- Strengthening Students & Faculty Professional Chapters like IEEE, ISTE & IE(I)
- Affective establishment and handing over to Student council
- More Project Oriented labs for outcome based education and hands on learning
- Achieving goal of 10 Entrepreneurs in 2019-20 under Poornima Business Incubation Center
- Achieving a target of Alumni Connect up to 2000 alumni

#### **15.5.12 Finance (Budget Approval)**

Sh. M.K.M. Shah presented the expenses report for financial year 2018-19 ended March, 31, 2019, the unaudited figure of Rs. 1080.51 lacs had been reported as revenue payments against revenue receipts of Rs. 827.08 lacs.

***GC noted the report of receipts and payments for session 2018-19.***

Sh. M.K.M. Shah proposed head wise budget for 2019-20. Total revenue is budgeted at Rs. 725.00 Lacs and total expenses at Rs. 1084.40 Lacs. He also proposed total department budget of Rs. 9.55 lacs for the five departments of the institute.

***GC approved the budget for session 2019-20.***

#### 15.5.13 Scheduled Events/Activities

Member secretary presented the organogram with the roles and responsibilities. He also presented recruitment of faculty members and other non-technical staff during even semester 2018-19 and odd semester 2019-20. He also informed the GC members about peer team visit for NAAC Accreditation and preparation for NBA Accreditation for B.Tech Civil Engineering. He emphasized on performance incentive and technical publication scheme adopted by the institution, faculty strength and their retention. He also presented a detailed and comparative analysis of University results. After academic outcomes he highlighted on the student placements in session 2018-19 including organizations, package offered and number of students placed. Admissions during session 2019-20 were also discussed by member secretary. He further discussed the process of admissions along with details like boys, girls, Hindi medium, English medium, day scholar, hostler etc.

***Members appreciated the progress and activities conducted.***

Member Secretary also shared the tentative list of events to be held in PIET in session 2019-20.

- Student Council Investiture Ceremony on 5<sup>th</sup> September 2019
- Celebrating Department days on 27<sup>th</sup> & 30<sup>th</sup> September 2019
- Kalanidhi- Student facilitation program on 2<sup>nd</sup> October 2019
- Manthan – National Level Debate Competition on 5<sup>th</sup> October 2019

- International Conference on Information Management & Machine Intelligence on 14-15 Dec 2019
- Alumni Meet – 2020 on 26 January 2020
- National level Hackathon, Sponsored by TEQIP in January 2020
- Project Exhibition by Student council in month of November 2019 & May 2020
- Convergence 2020- A event with department level Conference in 21-22 March 2020

*Chairman and the members approved the list of events for 2019-20 and advised to conduct all these activities and due approval of Director PIET & IQAC, PIET*

**Item 15.6 Specific suggestions for further improvement and growth on action taken and performance on account of academic outcomes, placements and admissions during past one year.**

Member Secretary informed about important activities of session 2018-19 and 2019-20 with a PPT presentation covering technical, non-technical, cultural, social, curricular, co-curricular, extra-curricular, pre-placement and entrepreneurship development cell activities. He also presented achievements of the institution like applying for NAAC Accreditation, QIV ranking by RTU, AICTE-CII Gold rank.

*Members appreciated the progress and activities of session 2018-19.*

**Item 15.7 General discussion on all important Issues/Challenges including**

Member secretary informed that at PIET we are focused to provide quality education to our engineering graduates.

Mr. Puneet Mittal suggested that we should focus on branding among the organizations which are offering jobs for engineering students.

Dr. Rohitashwa Shringi suggested that PIET should apply for autonomy for which NAAC ‘A’ grade and NBA with more than 675 marks are required. He also suggested to start PG program at PIET.

Mr. Shashikant Singhi concluded his discussion with the two words Competence and Confidence.

*Members appreciated the growth & achievements of the institute*

**Item 15.8 Any other matter with the permission of the chair.**

Almost all the issues were already discussed during the meeting. There were no other issues left for discussion.

**Item 15.9 Concluding remarks by Chairman, Governing Council.**

Chairman appreciated the sincere and systematic efforts made by the management, departments and faculty members to make PIET as premium institution in engineering education. He emphasized on practical aspect on engineering education and suggested to start PG courses to promote research in PIET. He was very satisfied with the growth and development of engineering education in the institute.

**Item 15.10 Vote of Thanks**

Dr. Dinesh Goyal, Member Secretary thanked the members and the invitees for their presence and valuable contributions.

The meeting was adjourned with vote of thanks to the Chair. It was followed up with a group photograph.

**Dr. Dinesh Goyal**

**Member Secretary**

Jai Jai Poornima Sansthan!

Jai Hind!