

Shri Aillak Pannalal Digamber Jain Pathashala's

## **WALCHAND INSTITUTE OF TECHNOLOGY**

Seth Walchand Hirachand Marg, Ashok Chowk, Post Box No.634, SOLAPUR – 413006.

- Recognized by AICTE, New Delhi & permanently affiliated to Punyashlok Ahilyadev Holkar Solapur University, Solapur
- Accredited & Re-accredited by National Board of Accreditation, New Delhi.
- Winner of AICTE-CII Survey 2013, 2014 & 2018 Award for Best Industry-Linked Institute. Best College Award in Solapur University Jurisdiction (Urban) 2015

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**IQAC-13**  
**25/11/2020**

### **ITEM NO. 1**

### **Minutes of the last Meeting held on 10/08/2020**

Minutes of the meeting held on 10-08-2020 were read and confirmed.

### **ITEM NO. 2**

### **Teaching-Learning Process**

#### **2.1 Innovation in Teaching Learning**

In accordance with the strategies planned in previous IQAC meeting, as on date during this semester following things are implemented

- 12 instructional strategies and 10 ICT tools are employed.
- Till date 524 videos are created by faculty members and uploaded on institute YouTube channel as well as a study material deployed on institute Moodle for respective classes as a part of teaching-learning process. Creation of Course e-contents in the form of video are still continuing.

The scheduled ET activities of the semester are expected to be completed up to 31<sup>st</sup> December, 2020.

#### **2.2 Self learning to inculcate Lifelong Learning and credit transfer.**

It is opined that, to inculcate lifelong learning strengthening self learning ability is essential. Therefore Students are encouraged to register for MOOC on platforms such as NPTEL, Coursera.

As an outcome, as on date 1224 Students registrations are done for 208 NPTEL courses through Institute NPTEL Local chapter. This exercise of taking additional identified relevant courses will help to improve the attainment of POs & PSOs.

In addition to NPTEL registrations, during this Academic year 552 registrations are done for 207 courses on Coursera platform.

These initiatives shall be reinforced through coordinated student development model for MOOC certifications.

### 2.3 Problem based/Project based learning (PBL)

To strengthen PBL, institute is making necessary efforts through alumni to make projects available which are of societal relevance and industry collaborated. Accordingly,

- As a policy, now students are using various platforms such as HackerRank, HackerEarth, CodeChef which have improved problem solving skills through programming and Indirectly preparing them for other global level contests and Interview tests.
- Students' participation in various Hackathons is on rise. Due to focused efforts students have won few prizes. To name few : Assam Police Hackathon 2020, Pan-India virtual Hackathon, SYNFIG Studio 2D Animation Hackathon
- As on date, during this academic year 21 industry collaborated projects are undertaken.

It is proposed that more efforts shall be taken to get more real time industry projects so that students will have more exposure to new technology.

### 2.4 Employability Enhancement & Skill Development

- **Training**

For employability enhancement of students

- Schedule of one hour training sessions everyday for all students is continued.
- Special trainings on programming languages especially Python, Soft Skills, Interview Skills, Infosys-InfyTQ, TCS-NQT pattern are arranged by in house faculty & industry experts to improve quality placements.
- 234 students successfully completed #Google Cloud Ready campaign towards achievement of the ultimate milestone.



- WIT Solapur has been one of the few 15 select institutions across india chosen for running #Google Cloud Ready campaign at campus.
- Faculty Mr. P.S.R. Patnaik and two students have been trained by Google to act as facilitators for the campaign.

The practicing concepts like computing, application development, big data & machine learning using cloud has been improved.

- Training/expert talks on Emerging Technologies in sync with Industry 4.0 are organized.
  - Various competitions were organized to enhance soft skill, logical thinking, reasoning, programming skills etc. for employability enhancement.
  - As on date, one training program of 10 days by industry experts, six guidance sessions by our alumni and 42 in house training sessions were organized for SY & TY Students
- **Student Internship**

Students are encouraged to take online internships concurrently with academics. Many students are undergoing online internships. Some of them are with stipend.

- **Offerings of Add on /Skill based courses**

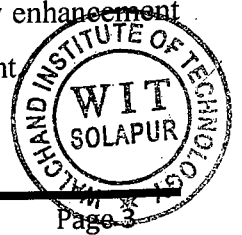
03 Skill based courses were conducted

- Distance Ready Engineer (DRE) Program
- Aptitude Preparation Course
- Soft Skill Course

- **Placement**

Till date 277 students are placed in 5 companies namely Infosys, Persistent Systems, Tata Consultancy Services, Virtusa and Hexaware Technologies. Some other companies are visiting for campus placement such as Tech Mahendra, Samma Technologies, iASYS Center Pvt. Ltd., Technovance etc.

It is proposed that training of students shall be continued for employability enhancement and to become industry ready. Efforts shall be taken to improve the Placement



## 2.5 Assessment of students Learning Outcome (COs,POs & PSOs) & Corrective measures, if any

Results for final year are declared and CO attainment is complete. The results of other classes are expected in the first of half of December. Accordingly after declaration of results, CO, PO and PSO assessment will be done and plan corrective measure, if any according to attainments.

### ITEM NO.3

### Faculty and staff Development

As a part of strategic objective of the institute, department shall continuously update & execute comprehensive plan for the following key activities:

#### 3.1 Faculty Qualification & Competency up gradation

One faculty member has acquired Ph.D. degree. 35 no of faculties are possessing doctoral qualifications.

As a policy every faculty member shall complete at least two FDP/STTP/MOOC towards upgrading their competency, accordingly departments have prepared comprehensive faculty competency development plan and systematic approach to attain it throughout the year. In this context, during this semester as on date total 211 certifications are successfully completed by faculty members through 147 FDP/Workshop/STTP etc. 54 courses are completed by faculty members on various MOOC platforms.

It is decided to encourage & facilitate faculty members to

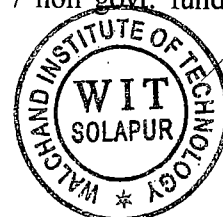
- Register for Ph.D. and complete their research work.
- Undertake more course certifications.

#### 3.2 Research & Development activities

The R&D activities are carried out by faculty

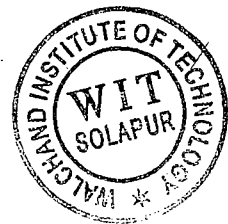
- By applying for funded & collaborated research to various govt. / non govt. funding schemes,

During this year till date



- ASHRAE student chapter has submitted an application for research grant ‘Undergraduate Program Equipment Grant’ entitled ‘Design and performance evaluation of hybrid heat exchanger used in Thermal Energy Storage ‘under the guidance of faculty Mr. Agalave G.B.
- 08 proposals have been submitted to P.A.H. Solapur University under the scheme “Breakthrough Research (Outstanding Research)”.
- Preparation of One Major research proposal under AICTE-RPS scheme is going on. Dr. B.B.Deshmukh is a principal investigator of this proposal.
- AICTE has launched Idea (Idea Development, Evaluation & Application) Lab proposal for encouraging students for application of science, technology engineering and mathematics (STEM) fundamentals towards hands-on experience, learning by doing and even product visualization. The estimated project cost is Rs. 115 lacs/ out of which AICTE is providing 50% grants.
- The work of new proposal SPICES-Scheme for Promoting Interests, Creativity and Ethics among Students is at final stage.
- 34 research papers are published in various National, International Journals & Conferences by faculty members.
- Total revenue of Rs. 7,42,397/- was generated through testing and consultancy in F.Y. 2020-21 till date.

It is decided that faculty shall have more quality research publications and shall generate funds through research grants and consultancy work.



**ITEM NO. 4****Innovation**

Institute have registered for AICTE's 'Atal Ranking of Institutes on Innovation Achievements'.

This will involve organising sessions on NEP, NISP, startup & innovation and thrust areas.

The workshop & expert sessions were organised as below

1. Two days Workshop on "Spoken Tutorial Synfig 2D animation Training
2. An expert sessions on
  - Innovative Project Ideas for Post COVID Life
  - My Story – Motivational Session by Successful Innovators
  - Corporate Entrepreneurship: Current Trends and Research
  - Modelling and Simulation of Electric Vehicle Design

Students & faculty also attended various events organised by other organisations.

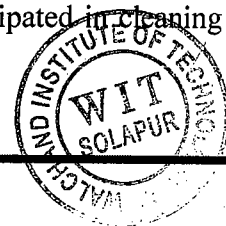
The impact of these sessions will be presented in the report to be prepared for ARIIA.

A workshop to facilitate T-L of 'Creativity & Design Thinking' is scheduled for the benefit of all faculties of affiliated institutions before commencement of the course.

**ITEM NO. 5****Extension Activities**

Various extension activities are organized, some of them to mention are as follows

- Two online workshops on yoga were organised as a part of national initiative of Indian Knowledge system.
- It is proposed
  - To undertake voter awareness camp and Covid-19 Vaccination awareness camp.
  - Organisation of various activities on the occasion of 'World Wetland Day' and 'World Environment Day' shall be organised under Swachha Bharat Mission & Green & Smart initiative
  - On the eve of 'Gandhi Jayanti' faculty, Staff & students took the 'Swachhata' and 'Say No to Plastic Oath'. Few staff members participated in cleaning the college campus.



- To participate in AICTE's Clean & Smart Campus award survey this year also.
- This year AICTE has launched 'Lilavati Award', based on the theme 'Women Empowerment' to motivate girls to join higher education. This initiative will pave a path towards equality in education and innovation, for women. In this contest there are 6 sub themes namely Women's Health, Self-Defense, Sanitation and Hygiene, Literacy, Women Entrepreneurship, and Legal Awareness. We have registered for this award under sub theme 'Women's Health' and 'Sanitation & Hygiene'. The data collection & filling application on portal is in process.

## **ITEM NO. 6**

### **Facilities Enhancement**

## **ITEM NO. 7**

### **Collaborations**

It is proposed to enhance facilities for making facility industry 4.0 competent.

As on date institute has 23 active MOUS with various organisations. As a part of these MOUs webinars, trainings are organised.

Efforts for more collaboration shall be taken.

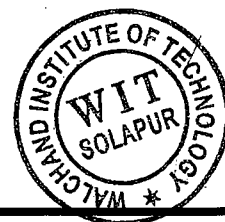
## **ITEM NO. 8**

### **Quality Assurance Initiatives**

#### **8.1 Annual Academic Audit**

As a practice, Academic Audit of all programmes shall be carried out. The findings of AAA shall be place before DAB for discussion & necessary corrective action.

As on date frequency of academic audit is annual for internal audit and bi-annual for external audit. Internal audit report proforma is already revised in recent past whereas proforma of external audit is revised this year.



## **8.2 Feedback from all stakeholders**

The first feedback process of this semester on teaching learning is complete. Feedback taken is in accordance with modifications done due to total online T-L process. The findings of this feedback shall be used for overall improvement in curriculum design, T-L process, facilities and design & delivery of content beyond the syllabus.

Also comprehensive feedback from all stakeholders shall be collected and analyzed for overall improvement.

## **8.3 Quality initiatives**

### **8.3.1 Participation in various in evaluation surveys**

Institute participates in various Govt./non Govt. surveys like NIRF, AICTE-CII survey for 'Best Industry Linked Institute' and such other surveys for quality assurance and as a brand building exercise.

In the year 2020-21

- Institute participated in AICTE-CII Survey for 'Best Industry Linked Institute'. The data is submitted on AICTE portal.

### **8.3.2 Accreditation**

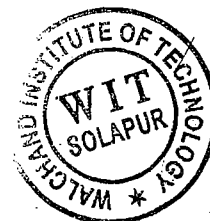
- NAAC:

Institute has started the preparation of AQAR for the AY 2019-20.

- NBA :

The work of preparation of compliance report of four UG programmes accredited in 2018 for 3 years is in progress. The compliance report is required to be submitted to the NBA for grant of further extension of accreditation period.

For the remaining two UG programmes namely Computer Sci. & Engineering & Information Technology, Self Assessment Report (SAR) is already submitted and the visit dates were communicated to NBA. However, Due to COVID-19 the visit could not take place in A.Y. 2019-20.





### 8.3.3 Autonomy

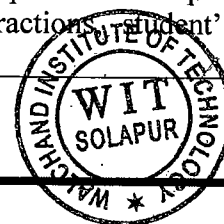
We have submitted application to UGC for grant of fresh autonomous status. The visit for on spot inspection is awaited. Follow up to expedite early visit are undertaken. Simultaneously preparation of files for on the spot visit is going on.

## ITEM NO. 9

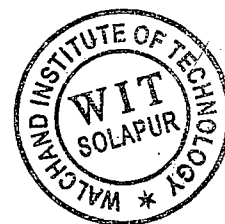
### Strategic Management-Review of key activities

The various activities done during this year till date are reviewed. On the basis of the review of various key strategic activities, it is proposed that following areas needs attention for improvement.

Sr. No.	Key Activity	Remark
1	Up gradation to Ph.D. qualification	09 faculty members are appearing for various university entrance examinations (PET) for Ph. D. admission. More Faculty Members shall be encouraged to register for Ph.D. qualification.
2	Faculty Competency through FDP/Workshop	Faculty members are participating in various FDP/STTP/Workshop/MOOC. They shall continue the same & improve their competency. 90 faculties have completed course certifications till date.
3.	Faculty members to prepare & submit a proposal for research grant	One research proposal to ASHRAE and 08 research proposals to PAH Solapur university are submitted. More research proposals are required to submit to various Govt./Non govt. agencies for grants.
4	Quality Research Publication	Faculty members are publishing research papers. Focus to have more quality research publications.
5	Employability Enhancement Training	Student's training and guidance sessions were organised for employability enhancement. Focus on additional efforts to bring new companies to campus for various types of interactions, student's internship with stipend.

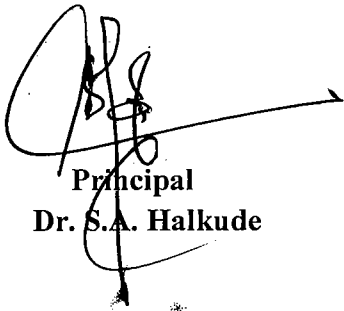


6	Creation of e-course content for blended T-L process	No. of videos, Views & subscribers are increasing. Now more focus shall be on quality content. 524 videos are created by faculty members till date during this academic year.
7	Focus on emerging areas/Technologies for marching towards Industry 4.0.	Focus to have facilities compliant to Industry 4.0. As suggested by AICTE, Honors degree in emerging area in the various existing UG offerings shall be introduced.
8.	Initiatives towards Innovations, Product Development, IPR and establishing Pre-incubation centre and Incubation Centre	Institute have registered for Atal Ranking of Institutes on Innovation Achievements'. Organised various workshops & expert sessions on Innovative project ideas, Corporate Entrepreneurship etc.
9	Organization of various co-curricular & extracurricular activities	Co-curricular Activities: During this academic year till date 23 workshop/webinars/competitions were organised under various student professional bodies such as IEL, ISTE, ED cell, CSI etc. Extra-curricular Activities : In "Covid-19" pandemic to increase immunity power, two online workshops on Yoga were organized.
10	Collaborations	As on date institute has 23 active MOUS with various organisations. As a part of these MOUs webinars, trainings are organised.
11	Offerings of Add on /Skill based courses	03 Skill based courses were conducted <ul style="list-style-type: none"> <li>● Distance Ready Engineer (DRE) Program</li> <li>● Aptitude Preparation Course</li> <li>● Soft Skill Course</li> </ul>


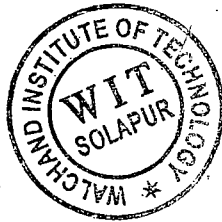


**ITEM NO. 9****Any other subject with permission of the Chair.**

After considering the items and agenda, no other subject was discussed and the meeting concluded with vote of thanks to the Chair.



Principal  
Dr. S.A. Halkude



Co-ordinator  
Dr. S.R. Gengaje



Shri Aillak Pannalal Digamber Jain Pathashala's

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(An Autonomous Institute)

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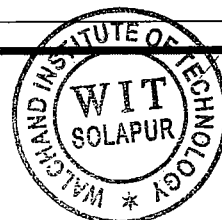
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## Internal Quality Assurance Cell

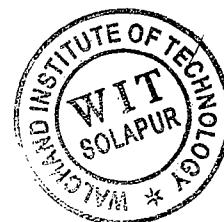
### Action taken Report on meeting held on 25-11-2020

Item on Agenda	Description	Action Taken
2.1	<b>Innovation in Teaching Learning</b>	<p>In this year till date</p> <ul style="list-style-type: none"><li>• 12 instructional strategies and 10 ICT tools are employed.</li><li>• Total 652 videos are created by faculty members and uploaded on institute YouTube channel. Course e-contents in the form of video are still continuing. As on date, No. of subscribers are 18700 and, No. of Views are 2679996.</li></ul>
2.2	<b>Self Learning to inculcate Lifelong Learning and credit transfer</b>	<ul style="list-style-type: none"><li>• Out of 1224 Students registrations, 1025 students successfully completed the NPTEL courses out of them 22 are Toppers. 8 gold, 379 Elite, 175 Silver certifications are received by students.</li><li>• In the second semester 752 Students have registered for 208 NPTEL courses</li><li>• 486 students have successfully completed coursera courses. Additionally 327 students have registered for 113 various courses on coursera platform</li></ul> <p>Under AICTE –EDX platform institute received 2500 free licences for faculty &amp; students for online certifications.</p>
2.3	<b>Problem based/Project based learning (PBL)</b>	<ul style="list-style-type: none"><li>• Seven teams participated in the competition of Toycathon-2021, a MHRD initiative.</li><li>• Consolation prize in SYNFIG Studio 2D Animation Hackathon conducted by IIT Bombay.</li></ul>

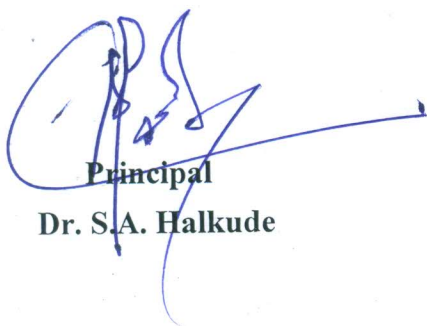
2.4	<b>Employability Enhancement &amp; Skill Development</b>	<ul style="list-style-type: none"> <li>● The one hour training session everyday for all students is continued.</li> <li>● Under the Ready Engineer Programme, Tata Technologies trained 140 students. Total 90 students qualified with "A grade", in the online examination. 02 students are recruited by Tata Technologies through DRE drive.</li> <li>● The training program by industry experts is continued, eight guidance sessions by our alumni &amp; experts and in house training sessions were organized.</li> <li>● Various competitions were organized to enhance soft skill, logical thinking, reasoning, programming skills etc. for employability enhancement.</li> <li>● 304 internships are successfully completed by students and many students are undergoing internships.</li> <li>● Till date 295 students are placed in 9 companies</li> </ul>
2.5	<b>Assessment of students Learning Outcome (COs, POs &amp; PSOs) &amp; Corrective measures, if any</b>	The results of all classes are declared. The CO, PO and PSO assessment is done. On the basis of attainment with respect to target set, Overview of the attainment of POs & PSOs was taken.
3.1	<b>Faculty Qualification &amp; Competency up gradation</b>	<ul style="list-style-type: none"> <li>● Six faculty members have registered for Ph.D. and two are in process of registration.</li> <li>● Total 297 certifications are successfully completed by faculty members through 216 FDP/Workshop/STTP etc.</li> <li>● 66 courses are completed by faculty members on various MOOC platforms.</li> </ul>
3.2	<b>Research &amp; Development activities</b>	<ul style="list-style-type: none"> <li>● During 20-21, till date 49 research papers are published in various National, International Journals &amp; Conferences by faculty members.</li> <li>● 01 major Research proposal, Idea Lab Proposal and proposal for SPICES were submitted to AICTE for grant</li> <li>● Two proposals are submitted to ISTE for conducting Refresher programs</li> <li>● A total revenue of Rs. 10,77,030/- is generated through testing and consultancy in F.Y. 2020-21 till date.</li> </ul>




3.3	<b>Awards</b>	08 faculty members have submitted nominations for various ISTE awards (Individual category) at national level
4	<b>Innovations</b>	<ul style="list-style-type: none"> <li>• The expert committee is constituted to formulate the “WIT innovation and start-up policy – 2021”.</li> <li>• A webinar, Expert Session &amp; Workshop are conducted to promote innovation culture among faculty &amp; students</li> </ul>
5	<b>Extension Activities</b>	<ul style="list-style-type: none"> <li>• Institute Participated in AICTE’s ‘Lilavati Award’ for two sub themes ‘Women's Health’ and ‘Sanitation &amp; Hygiene’.</li> <li>• Under green initiative, Tree Plantation drive was organised. 60 saplings are planted at our Trust's school campus - Ashti, Solapur.</li> <li>• A Voter awareness programme was organized. In this program online poster making and elocution competition was conducted.</li> <li>• On the occasion of ‘World Wetland Day’ a Quiz Competition and Poster Making Competition was organized for students.</li> </ul>
7.1	<b>Annual Academic Audit</b>	Annual Internal Audit & Bi-annual external audit of every department has been carried out.
7.2	<b>Feedback from all stakeholders</b>	Comprehensive feedback from all stakeholders are continuously collected and analyzed for overall improvement. Action on the feedback received was discussed and finalised.



7.3	Quality Initiatives	<p><b>A) Participation in various in evaluation surveys</b></p> <ul style="list-style-type: none"> <li>• Submitted nomination to ISTE for 'Best Institute Award' at national level.</li> <li>• Submitted an application for 'Clean &amp; Smart Campus' Award</li> <li>• Participated in AICTE's 'Lilavati Award' for two sub themes 'Women's Health' and 'Sanitation &amp; Hygiene'</li> </ul> <p><b>B) Accreditation</b></p> <p>NBA: The preparation of compliance report is completed and we have paid necessary fees for the same to NBA.</p> <p><b>C) Autonomy</b></p> <p>The visit for on spot inspection is scheduled on 20-21 February 2021. The preparation of files for on the spot visit is going on.</p> <p>As a part of autonomy various deans have been appointed and committees are formed.</p>
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**Principal**  
**Dr. S.A. Halkude**



  
**Co-ordinator**  
**Dr. S.R. Gengaje**