### Minutes of the Eleventh meeting held on June, 22, 2020

Eleventh Meeting of the Committee Constituted for Internal Quality Assurance Cell was held in Conference Room on June 22, 2020 at 4.00 P.M. under the Chairmanship of Dr. S.A. Halkude, Principal of Walchand Institute of Technology, Solapur.

Below members were present for the meeting

| Sr. No. | Name |
|---------|------|
| 1. | Dr. S. A. Halkude |
| 2. | Mr. K.S.Patil |
| 3. | Mrs. V.R.Karkamkar |
| 4. | Dr. B.B. Deshmukh |
| 5. | Dr. M.G. Kalyanshetti |
| 6. | Mr. P. S. Malge |
| 7. | Dr. Ms. A.V. Thalange |
| 8. | Dr.(Mrs.) P. S. Yalagi |
| 9. | Dr.(Mrs.) A. M. Pujar |
| 10. | Mr. M. S. Basargaon |
| 11. | Dr. Ranjeet H. Gandhi |
| 12. | Mr. B. V. Shah |
| 13. | Mr. P. A. Shah |
| 14. | Ms.Piyusha S. Junavane |
| 15. | Mr. Sham S. Yemul |
| 16. | Mr.Sagar Deshpande |
| 17. | Dr. S. R. Gengaje |

At the outset Dr. S.A. Halkude welcome all members and explained the aims and objectives to all members. Thereafter, the agenda items were taken up for discussions with the permission of the Chair.

| ITEM NO. 1 | Minutes of the last Meeting  held on  06/02/2020 |
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Minutes of the meeting held on 06-02-2020 were read and confirmed.

| ITEM NO. 2 | Teaching-Learning Process |
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### 2.1 Innovation in Teaching Learning

Innovations in Teaching-Learning process employing instructional strategies & ICT tools have improved student's learning.

During second semester 12 instructional strategies & 10 ICT tools are employed. In the year 2019-20, Innovations in Teaching-Learning process by employing 15 instructional strategies & 10 ICT tools, leading to enhancement in student's learning. As an outcome of these innovations 6 research publications in Education Technology are to the institute's credit.

Because of all these efforts of blended Teaching Learning, during COVID-19 pandemic, we could smoothly shift overnight from physical classroom mode of teaching to an online mode of teaching.

### 2.2 Creation of LCM

All faculty members have created partial Learner Centric MOOC (LCM). During Second semester, 586 videos of average duration of 12 minutes are created. Total videos created during A.Y. are 1276. Satisfaction was expressed by many as these videos are viewed by outside students. Till date, the total views for these videos are 15,99,759 and 11,193 have subscribed. In the pandemic situation of COVID-19 these videos are found to be useful.

### 2.3 Self learning to inculcate Lifelong Learning

The Self learning ability of the students is nurtured by making them to enrol for various courses available on MOOC platform.

- During second semester 2433 Students have registered for NPTEL examination, however due to COVID-19 the examination has not been conducted. During A.Y. 2019-20, total 5433 student registered for 423 various courses through our NPTEL local chapter.

- @ 90 students completed "Google cloud Computing Foundation Course " offered by NPTEL & Google.
- 1332 students have enrolled for @ 5000 Coursera online courses. Encourage students to complete additional courser courses.
- 441 students completed TCS ion Certification & Vocational training

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

To provide an exposure to various real time/societal problems, the following measures are undertaken

- We continue to encourage students to use various platforms such as HackerRank, HackerEarth etc. for improving their exposure to real time problems. In addition to above, during A.Y. 2019-20 four coding/programming tests were organised on WIT HackerEarth. On an average @150 students have been participated.

- Through internships, students are continuously working on various real time problems
  This exercise has improved students' problem solving ability through programming.

- Participation in Smart India Hackathon- 2020
  Out of seven entries sent for SIH-2020 round-II, our three teams have been selected for Grand Finale of Smart India Hackathon 2020.

- Students have facilitated & encouraged to select industry & societal relevant Projects, leading to completion of 26 industry collaborated projects.

- Witchar 2020-National Level Technical Symposium
  The conduction of National Level Technical Symposium WITchar-2020 was scheduled on 20th & 21st March 2020. But due to Covid-19 Pandemic lockdown, institute had to cancel this event.

## 2.5 Employability Enhancement

- **Training**

> The daily One hour training for employability enhancement of students is imparted for all SE, TE, BE students. Nearly all Second to final year students are beneficiaries.

> Nearly 415 students benefited from special training from the InfyTQ and HackwithInfy perspective.

> 14 students have completed "Google Career Readiness Program" offered as courser specialization course as a part this students received access to premium coursera courses.

➤ In the year 2019-20 total 60 companies visited campus for placement & 398 offers are received in these companies. The 10 students have received highest package of Rs. 10 lpa. The average package is 5 lpa.

- **Student Internship**

➤ This year we have focused to enhance students' internship with stipend. 51 students have done internship with stipend. During internships students' stipend is performance based which varies from Rs. 2000/- to Rs. 20000/- per month.

➤ 311 students have undergone online internship simultaneously with academics in addition to onsite internship during vacation. Generally most of the third year UG students will go for onsite internships in June 2020, However, this year due to pandemic it was not possible to do so. Therefore an alternative to this it is decided that student will undergo either on line internship or complete at least one MOOC of eight week duration in lieu of onsite internship. Accordingly opportunities/alternatives are searched for them.

| ITEM NO. 3 | Faculty/staff Development |
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### 3.1 Qualification Upgradation

One faculty member from Mechanical Department has been awarded a Ph.D. and defence of one more faculty member is awaited. Currently 37 faculty members are having doctorate degree & 26 other faculty members are pursuing Ph.D. at various universities. 08 faculty members are in a process to seek registration by appearing various university entrance examinations for admission.

### 3.2 Faculty Competency upgradation

During A.Y. 2019-20 faculties participated in various FDP/STTP/Workshop/MOOC courses throughout the year. Many faculty members participated in online FDPs/STTPs/conferences during COVID-19 Lockdown. In this context

- 277 FDP certifications are done by faculty members.
- 165 faculty members completed 37 unique NPTEL courses.
- 127 Faculty members have completed total 545 Coursera certifications

### 3.3 Research & Development activities

Review of R&D activities is taken.

- Three new proposals submitted to AICTE and approval is awaited.

- Out of two AICTE funded projects, one Research project is completed. The total expenditure incurred on RPS project namely "Development of Experimental facility for Investigation on Strength and deformation of various Structural Elements constructed from conventional and Hybrid Fiber Reinforced concrete" is Rs. 32,24,747/- against a sanctioned grant of Rs.23,52,941/-. During this year, the last installment of Rs. 35,294/- for RPS project is received. The second project of E-learning centre is going on. The 2nd installment grant of Rs. 5,01,000/- for this project is received.

- 27 pre-proposals are submitted to PAH Solapur University under RGST Commission, Govt. of Maharashtra.

- In the year 2019-20, 61 research papers are published by faculty members in various Journals and conferences. Out of them 42 are Scopus indexed papers.

- A total revenue of Rs. 22, 50,434/- was generated through testing and consultancy in F.Y. 2019-20.

### 3.4 Skill up gradation of Technical Staff

Thirty six Technical Non-teaching staff have successfully completed 3 courses on Libre Office module During A. Y. 2019-20 leading to total 108 certifications.

### 3.5 ICT training of faculty of non professional institutes

During A. Y. 2019-20, FDP on "Disruptive Innovations in Teaching-Learning Process" was organised and 35 Faculty members D.A.V. Velankar College of Commerce, Solapur participated in this FDP. Additionally all those 40 faculty members from WCAS & HNCC, who have attended FDP on "Creating Your Own Video Resourses & Course Implementation on MOODLE" have been assisted for creating videos at our studio and uploading then on Youtube channel.

| ITEM NO. 4 | Facilities Enhancement |
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To enhance facilities for making facility industry 4.0 competent –

- The additional 50 AIOs and one workstation have been purchased.

- Subscription to Amazon Web Services (AWS) is done for cloud services.

  The websites of all schools & colleges under the S.A.P.D.J. Pathashala trust are migrated on AWS cloud. In addition we are also hosting & maintaining Govt. Medical College website on AWS cloud.

- A Purchase order for CNC & VMC machine is placed. Due to COVID-19 the machines are yet to be received.

| ITEM NO. 5 | Quality Assurance initiatives |
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### 5.1 Participation in various institute evaluation surveys

During the year institute has participated in

- AICTE-CII survey for "Best Industry Linked Institute"

  Institute is invited for face-to-face interactions for programmes Civil Engineering and Allied, Computer &IT Engineering and Allied, and Mechanical Engineering and Allied. Institute also ranked in Platinum in a score band more than 30.

- NIRF Ranking Survey

  Compared with govt. institutes, the quality parameters except quality research publications were promising. With the identified weakness in the area of research institute shall emphasis on preparation of research proposals from various funding agencies in order to improve the research. As well faculty needs to encourage undertaking research in the capacity as research guide/research scholar. Good quality of research will result in quality publication and IPR.

- AICTE Clean & Smart Campus Award survey.

  Institute awarded for the "Best Practices" followed in the institution in Clean & Smart Campus Awards-2019

## 5.2 Feedback from all stakeholders

Faculty members used various online platforms for balanced content delivery & assessment to complete the syllabus during lockdown. On completion of syllabus, feedback was collected from students. After analysis of feedback it is found that Students learning during COVID-19 was equally effective as earlier. Therefore an appreciation from various stakeholders was received towards the efforts taken by institute during COVID-19 lockdown. We are happy to place on record that our students' learning is therefore uninterrupted due to COVID-19.

## 5.3 Accreditation

- **NAAC:**

The E-AQAR of 2018-19 is submitted.

- **NBA**

Heads of the department informed that on the basis of the action plan prepared for becoming compliant with NBA report, the departments have initiated various implementations. Some of such is regarding preparation of rubrics for project, improvement in the ICA and improved experimentation in the laboratory, while continuously improving the understanding of stakeholders regarding OBE. On the basis of such implementations, the work of preparation of Compliance report based on the observations made by evaluators is going on. The in-depth discussion on various such actions/ implementations was discussed and suggestions of the members will be incorporated in it for improvement. It is expected to completion of compliance report will be ready for the submission to the NBA in couple of months.

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 and is awaited.

- **Autonomy**

In response to our application submitted for grant of fresh autonomous status, UGC has constituted an expert committee for on-the spot inspection of the college. UGC also

communicated to State Govt & PAH Solapur University to give the name of their nominee to include in expert committee.

Out of these two nominations, the State Govt. has nominated Dr. D.R.Nandanwar for on-spot inspections vide their letter dated 12-03-2020. The nomination of University for on-spot inspection is awaited. Therefore it is decided to take follow-up with the university.

| ITEM NO. 6 | Strategic Management-Review of key activities |
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Review of all key activities are taken by committee members.

On the basis of the review of various strategic key activities, it is observed that following areas needs attention for improvement.
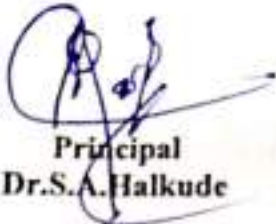
| Sr. No. | Key Activity | Remark |
|---|---|---|
| | Up gradation to Ph.D. qualification | 01 faculty member awarded Ph.D. degree. At present 37 faculty members are having Ph.D. degree and 23 are pursuing Ph.D. 08 faculty members are appearing for various university entrance examination for admission to Ph.D. course. More Faculty Members shall be encouraged to register for Ph.D. qualification. |
| | Faculty Competency through FDP/Workshop/various courses | This year Faculty competencies through various FDP/STTP/Workshop/MOOC are satisfactory & shall be continued.<br>• 277 FDP/STTP course certifications<br>• 165 NPTEL course Certifications.<br>• 545 Coursera course certifications |
| | Faculty members to prepare & submit a proposal for research grant | Three new proposals are submitted to AICTE. More focus is required on submission of proposals to various Govt./Non govt. agencies for grants. |

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| | R& D leading to Quality Research Publication | Focus on R & D. Increase the no. of research publications in Scopus indexed journals/conferences.<br><br>More faculty to seek recognition as research guide. |
| | Employability Enhancement Training for students | Training for employability enhancement is satisfactory.<br>• 398 placement offers are received by students. The same shall be continued.<br>• Focus on additional efforts to bring new companies to campus for various types of interactions. Also focus to have internships with stipend.<br>• 14 students are recipient of credits and completed "Google Career Readiness Program" offered as courser specialization course. Since this is from emerging technology such effeorts need to emhance further for improving student's employability |
| | Creation of e-course content for blended T-L process | No. of videos, Views & subscribers are increasing. Now more focus shall be on improving quality content.<br>percentage of Course e-contents has increased. |
| | Focus on emerging areas/Technologies for marching towards Industry 4.0. | Focus to have facilities compliant to Industry 4.0.<br>@ 90 students completed "Google cloud Computing Foundation Course "offered by NPTEL & Google.<br>A proposal is submitted to university regarding institution of honors degree in emerging areas in the various existing UG offerings. |
| | Review of activities of centre/s of Excellence | Process of collaboration with Red Hat for enhancing FOSS usage & training to Faculty & students along with certification.<br>Increase in no of Centre of excellence & improvement of the existing COE. |
| | Regarding Pre-incubation centre | For effective Functioning structured approach is needed to be planned in detail |

| ITEM NO. 7 | Any other subject with permission of the Chairman. |
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There was no any other subject to discuss.

The meeting concluded with coordinator thanking all the members for their presence and active participation.

Principal
Dr.S.A.Halkude

Co-ordinator
Dr. S.R. Gengaje

Shri Aillak Pannalal Digamber Jain Pathashala's

# WALCHAND INSTITUTE OF TECHNOLOGY

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

- Accredited by **NAAC A+ Grade**
- Accredited by **NBA, New Delhi** for Civil Engineering, Mechanical Engineering.
  Electronics Engineering, Electronics & Telecommunication Engineering.
- Winner of AICTE-CII Survey 2013, 2014 & 2018 Award for Best Industry-Linked Institute.
- Recognized by **AICTE**, New Delhi and permanently affiliated to **Punyashlok Ahilyadevi Holkar Solapur University, Solapur.**

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## Internal Quality Assurance Cell
## Action taken Report on meeting held on 22-06-2020

| Item on Agenda | Description | Action Taken |
|---|---|---|
| 2.1 | **Innovation in Teaching Learning** | During AY 2019-20<br>15 instructional strategies & 10 ICT tools are employed.<br>6 research publications in Education Technology are published. |
| 2.2 | **Creation of LCM** | All faculty members have created partial Learner Centric MOOC (LCM). Total 1276 videos are created. The total views for these videos are 15,99,759 and 11,193 have subscribed. |
| 2.3 | **Self Learning to inculcate Lifelong Learning** | • Total 5433 student registered for 423 various courses through our NPTEL local chapter.<br>• @ 90 students completed "Google cloud Computing Foundation Course "offered by NPTEL & Google.<br>• 1332 students have enrolled for @ 5000 Coursera online courses.<br>• 441 students completed TCS ion Certification & Vocational training |
| 2.4 | **Problem based/Project based learning** | • In A.Y. 2019-20 four coding/programming tests were organised on WIT HackerEarth. On an average @150 students have been participated.<br>• Out of seven entries sent for Smart India |

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|---|---|---|---|
| | | | Hackathon- 2020 round-II, our three teams have been selected for Grand Finale. |
| | | | • Students completed 26 industry collaborated projects. |
| 2.5 | **Employability Enhancement** | | • The daily One hour training for employability enhancement of students is imparted for all SE, TE, BE students. Nearly all Second to final year students are beneficiaries. |
| | | | • Nearly 415 students benefited from special training from the InfyTQ and HackwithInfy perspective. |
| | | | • 14 students are recipient of credits and completed "Google Career Readiness Program" offered as courser specialization course. |
| | | | • In the year 2019-20 total 60 companies visited campus for placement & 398 offers are received in these companies. |
| | | | • This year we have focused to enhance students' internship with stipend. 51 students have done internship with stipend. During internships students' stipend is performance based which varies from Rs. 2000/- to Rs. 20000/- per month. |
| | | | • 311 students have undergone online internship simultaneously with academics in addition to onsite internship during vacation. |

| 3.1 | Faculty Qualification Upgradation | One faculty member from Mechanical Department has been awarded a Ph.D. |
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| 3.2 | **Faculty Competency upgradation** | During A.Y. 2019-20 faculties participated in various FDP/STTP/Workshop/MOOC courses throughout the year. Many faculty members participated in online FDPs/STTPs/conferences during COVID-19 Lockdown. In this context<br><br>• 277 course certifications are done by faculty members.<br><br>• 165 faculty members completed 37 unique NPTEL courses.<br><br>• 127 Faculty members have completed total 545 Coursera certifications. |
| 3.3 | **Research & Development activities** | • Out of two AICTE funded projects, one Research project is completed. The total expenditure incurred on this RPS project is Rs. 32,24,747/- against a sanctioned grant of Rs.23,52,941/-.<br><br>• 27 pre-proposals are submitted to PAH Solapur University under RGST Commission, Govt. of Maharashtra.<br><br>• In the year 2019-20, 61 research papers are published by faculty members in various Journals and conferences. Out of them 42 are Scopus indexed papers.<br><br>• A total revenue of Rs. 22,50,434/- was generated through testing and consultancy in F.Y. 2019-20. |

| 3.5 | Outreach Programme | 40 faculty members from WCAS & HNCC, have been assisted for creating videos at our studio and uploading then on Youtube channel. |
|---|---|---|
| 4 | Facilities Enhancement | • The additional 50 AIOs and one workstation have been purchased.<br>• Subscription to Amazon Web Services (AWS) is done for cloud services.<br>• The websites of all schools & colleges under the S.A.P.D.J. Pathashala trust are migrated on AWS cloud. In addition, we are also hosting & maintaining Govt. Medical College website on AWS cloud.<br>• A Purchase order for CNC & VMC machine is placed. |
| 5.3 | Feedback from all stakeholders | Faculty members used various online platforms for balanced content delivery & assessment to complete the syllabus during lockdown. On completion of syllabus, feedback was collected from students. After analysis of feedback it is found that Students learning during COVID-19 was equally effective as earlier. Therefore an appreciation from various stakeholders was received towards the efforts taken by institute during COVID-19 lockdown. |

| 5.4 | Accreditation | NAAC : The E-AQAR of 2018-19 is submitted. |
|-----|---------------|---------------------------------------------|
| | | NBA: The work of preparation of Compliance report based on the observations made by evaluators is going on. |
| | | Autonomy: In response to our application submitted for grant of fresh autonomous status, UGC has constituted an expert committee for on-the spot inspection of the college. In that committee one nominee is from State Govt. & one is from Affiliating university. The State Govt. has nominated Dr. D.R.Nandanwar for on-spot inspection. |

Principal

Dr. S.A Halkude

Co-ordinator

Dr. S.R. Gengaje