

12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards towards quality enhancement and the outcome achieved by the end of the academic year:

Sr. No.	Plan of Action	Achievements/Outcomes
1	Implementation of NEP-2020	<p>In view of the recommendations of NEP 2020 released by UGC, DTE Maharashtra and P.A.H. Solapur University Solapur, IQAC steered various Board of Studies to implement these recommendations immediately and to make curriculum multi-disciplinarily and holistic.</p> <p>Outcomes: Curriculum of First Year of all branches is revised as per the NEP 2020 and was implemented from AY 2023-24. Curriculum structure for higher classes as per NEP 2020 is prepared after deliberation with industry experts, employers, alumni and academic experts. NEP 2020 curriculum for the higher classes will be implemented as below -</p> <ol style="list-style-type: none"> 1. SY - From AY 2024-25 2. TY - From AY 2024-25 3. Final Year - From AY 2025-26 <ul style="list-style-type: none"> • The salient features of this NEP 2020 curriculum are - <ol style="list-style-type: none"> 1. Comprehensive credit-based Academic & Skill Qualification frameworks 2. Assignment, Accumulation, Storage, and Transfer of Credits in ABC. 3. Digital/ Online learning 4. Credit transfer from MOOC courses 5. Provision for Multidisciplinary Minor (MDM) Courses along with Major Degree 6. Provision for Open Electives, Professional Elective Courses 7. Provision for Community Engagement Project, Field Project, Entrepreneurship/Economics/ Management Course , Value Education Course, Vocational & Skill Enhancement Course, Ability Enhancement Course, Indian Knowledge System Course, Vocational & Skill Enhancement Course, Research Methodology Course 8. Provision for Long Duration Internship / On Job Training.
2.	Inculcate life-long learning through self-learning using Coordinated Student Development (CSD) model.	<p>WIT is awarded as Top institute in Maharashtra for having highest number of certifications by Infosys.</p> <p>In the Academic Year 2023-24</p> <ol style="list-style-type: none"> 1. Around 767 students have onboarded on Infosys Springboard and 764 certifications are completed. 2. @ 700 students benefited with Infosys Springboard virtual briefing session on 26th October 2023. 3. WIT, Solapur is awarded as SPoC of the Month at November,2023. 4. 20 Students are shortlisted for “4th edition of Infosys Springboard Internship” 5. Total 24 students have successfully completed NPTEL courses.

3.	Enhance students' learning through PBL	Students have successfully completed 20 industry collaborated projects.
4.	Incorporating Hackathons into Engineering Education: A Best Practice to foster innovations and enhance Problem-Solving Skills	<p>To enhance participation in various Hackathons, an internal Hardware & Software Hackathon along with several idea generation and design competitions were organized for students. These initiatives encouraged student involvement, resulting in strong engagement across different events.</p> <ol style="list-style-type: none"> 1. In the Smart India Hackathon 2023, a total of 5 teams were selected for the grand finale, with one team emerging as the winner and receiving a prize of Rs. 1 lakh. 2. In the Idea Pitching Competition for SIH finalist teams, our students were awarded an Appreciation Trophy for their innovative ideas. 3. One of our teams emerged as the winner of the REFCOLD India Hackathon, securing a prize of Rs. 1 lakh. 4. A student from our institution won the MSME 3.0 Women's Idea Innovation Contest, receiving a prize of Rs. 12.5 lakhs. 5. Our students received Rs. 1,00,000/- each for four projects in the Maharashtra Student Innovation Challenge. 6. Our students were awarded Rs. 50,000/- each from Tata Magic REMS Funding for two projects and Rs. 40,000/- for a project under the Bharat Cycle Design Challenge (BCDC) organized by AICTE. 7. WIT students bagged four prizes in the 'Avishkar' Research Competition organized by Solapur University, winning three 1st prizes and one 2nd prize. 8. WIT students secured the 2nd Prize at the Giant Metrewave Radio Telescope competition at Khodad, Pune, a national-level event organized by the National Centre for Radio Astrophysics (NCRA) and the Tata Institute of Fundamental Research (TIFR). <p>Apart from these, a total of 44 prizes are won by our students in various Project/Paper presentation competitions organised by various colleges.</p>
5.	To enhance the employability and Skill development of the students	<p>To enhance the employability and Skill development of the students training sessions were conducted which has enhanced the employability of students resulting in overall improvement in placement.</p> <p>In the year 2023-24 total 86 companies visited campus for placement and 358 students are placed. The maximum package received is Rs. 9 lacs p.a. and Average Package Rs. 4.12 lacs</p>

6.	Full Semester internship for Final Year students of all branches and Focus to enhance students' internship with stipend	<p>IQAC decided that every final year student must complete an industrial internship in Semester VIII (second semester of the final year) and must submit the detailed report about the same. As per this decision, all Board of Studies (BOS) updated the syllabus for final year wef AY 2023-24 including one semester long internship for all students of all branches. Also it was decided to enhance students' internship with stipend.</p> <p>Outcomes:</p> <ol style="list-style-type: none"> i. All students of all branches successfully completed industrial internships in semester VIII in AY 2023-24, many with lucrative stipend. Few example companies which offered internships to the students includes - IBM, Josh Software, Persistent Systems, Intellipaat Software Solutions Pvt Ltd, Talentcorp Soution Pvt Ltd, Pune, Smart Spend Operations, Ireland, ISRO, DRDO, Ahmadabad, Defence Institute of Advanced Technology, Pune, AdrekUSA, Pune, Riktam Technology Consulting Pvt. Ltd., Indian Railways, L&T Construction (L&T), Mumbai, Tata Consultancy Services, Mumbai, Atlas Copco India Pvt. Ltd GECIA, Bharat forge Ltd. ii. A total of 110 students have done internship with stipend. The maximum stipend received is Rs. 42,000/- p.m. and the average stipend received is Rs. 12,000/- p.m.
7.	To encourage entrepreneurship among students various activities to be organised.	<p>During the academic year 2023-24, experts from various industries were invited to conduct expert sessions, offering valuable insights and guidance to students on topics related to entrepreneurship, innovation, and industry trends. A total of 20 expert sessions were organized, providing students with opportunities to learn from experienced professionals. In addition to the sessions, various competitions, quizzes, and assessments were held to engage students actively and enhance their practical skills.</p>
8.	Facilitate to encourage faculty to acquire doctoral qualification	<p>This year three faculty members are awarded Ph.D. degree. As on date 32 faculty members are having Doctorate Degree and 43 faculty members are pursuing Ph.D. at various universities.</p>
9.	Skill up gradation of faculty by attending FDP/STTP/Training/ Workshop/ Seminar/ conferences to keep the pace with the industrial revolution shall be done.	<p>During this year</p> <ol style="list-style-type: none"> 1. Faculty members have attended 112 various FDPs, Workshops, Seminars & conferences. 2. 07 faculty members have been trained by Infosys through Faculty Enablement Program (FEP) in Citizen Data Science. 3. 08 faculty members and 12 students are nominated for Google Certifications in various domains (Data Analytics, Tensor flow: Advanced Techniques, Tech Specialization: Internet of Things and AI Cloud, ML Rockstar, Internet of Things and AI cloud, Google Project Management). 4. 12 faculty members have completed 8 NPTEL Courses.

10.	Increase R&D activities by encouraging faculty to engage in funded & collaborated research, sponsored projects, consultancy and quality publications.	<p>During 2023-24,</p> <ol style="list-style-type: none"> 1. Faculty members have published <ol style="list-style-type: none"> i. 111 research papers in various national and International journals and conferences. Out of them , 66 papers have published in Scopus Indexed/WOS/Springer journals. ii. 01 Book and 13 Book Chapters iii. 02 patents are granted and 06 are published 2. One faculty has received 'Best Paper Award' 3. One faculty has received award at research competition organized by P.A.H. Solapur University 4. Rs. 4,45,000 are sanctioned for 06 research proposals under seed funding by P.A.H. Solapur University. 5. Rs. 1,00,000/- to one faculty for research projects by P.A.H. Solapur University. 6. Received grant of Rs. 3,50,000 For organizing ATAL FDP by AICTE. 7. Rs. 2,50,000 is received by National Center for Additive Manufacturing (NCAM) for organizing Additive Technology Enhancement Program (ATEP) and Rs. 20,000/- for organizing national level conference. 8. Total revenue of Rs. 30.16 lacs is generated through 80 consultancy projects in F.Y. 2023-24.
11.	To increase the industry collaborations	<p>The Institute is collaborating with a diverse range of industries and organizations to facilitate the exchange of technical expertise, research collaboration, and provide both technical and financial support for projects, internships, and placements.</p> <p>During 2023-24,</p> <ol style="list-style-type: none"> 1. Seven new MOUs have been signed, and the MOU with Infosys has been renewed. At present institute is having 32 active MOUs. 2. Students have participated in eight industrial visits, providing them with an opportunity to observe real-world operations and gain firsthand experience of the industrial environment. 3. A total of 46 industry experts have mentored and guided students on a variety of topics, sharing their valuable insights and expertise. 4. Two faculty members have provided training to two different industries. A total of 40 participants from one industry and 50 participants from another industry have benefitted from the sessions. 5. Fourteen industries have actively participated in the seminars and workshops organized by the institute, contributing valuable insights and expertise. 6. Total funds of Rs. 3,25,000/- has been received from 3 industries.

12.	Feedback from stake holders	Comprehensive feedback from students and faculty on the course curriculum for the academic year 2023-24 has been collected and analyzed. Based on this feedback, corrective actions have been identified and implemented for the academic year 2024-25.
13.	To ensure quality for various stakeholders, the institute shall actively participate in both government and non-government evaluation surveys to assess its relative position and performance.	In the academic year 2023-24, the institute actively participated in several quality evaluation surveys, including: <ul style="list-style-type: none"> ● NIRF Ranking ● India Today Survey ● Times Survey
14	Accreditation	The NBA has granted accreditation to the UG programs in Computer Science and Engineering and Information Technology for a period of three years, valid until June 30, 2027.
15	Faculty shall continue the creation of Videos of average duration of 12 minutes towards course contents for the courses.	During 2023-24 <ul style="list-style-type: none"> ● 98 videos are created by faculty members and uploaded on institute's YouTube channel. ● As on date, a total of 4362 videos are uploaded on the institute's YouTube channel. There are 56100 subscribers and 10,232,439 are the total views for this YouTube Channel.
16	Faculty members shall implement at least one Innovative Teaching Learning Practice per semester	During the Year 2023-24 In Semester-I, 15 Instruction Strategies and 10 ICT tools are employed and in Semester -II 12 instructional Strategies and 10 ICT tools are employed.