

CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OF TECHNOLOGY

A REPORT

ON

20TH ISTE STATE ANNUAL FACULTY CONVENTION ON 27TH OCTOBER, 2015

Title of the Workshop:	Challenges and Opportunities in Technical Education in the Era of Sustainable Development
Patron:	Dr. D. R. Shah, Provost, UTU.
Convenor and Chairman:	Dr. N. C. Shah, Director, CGPIT.
ISTE Committee Members, Gujarat Section	Prof. Kalpesh M. Bhavsar, Chairman Prof. Nikul K. Patel, Hon.Secretary cum Treasurer Dr. Indrajit N. Patel, EC Member, ND Dr. Jayesh A. Shah, EC Member, ND Dr. Rupesh P. Vasani, EC Member, ND Prof. Bharat J. Sheth, EC Member, ND Dr. Sachin Parikh, SMC Member, Guj. Dr. Sanjay K. Dave, SMC Member, Guj Prof. Bhasker V. Bhatt, SMC Member, Guj Prof. Gargi R. Verma, SMC Member, Guj Dr. Suryakant Vaishnav, Coopt SMC Member, Guj Dr. G. P. Vadodaria, Coopt SMC Member, Guj Dr. Chinmay Desai (HoD, Mech/Auto Dept., CGPIT) Dr. Shree Mishra (HoD, ASH Dept., CGPIT) Mr. Kamlesh Gandhi (HoD, Civil Dept., CGPIT) Mr. Rakesh Gajre (HoD, Elect/EC Dept., CGPIT) Mr. Devendra Thakor (HoD, CO/IT Dept., CGPIT)
Organizing Secretary	Mr. Nikunj Gamit Mr. Sudhakar Nakka
Organizing Committee	Brijesh Naik Gunvant Solanki Chinmay Naik Vishvajit Bakrola
Total Number of Participants:	500

Schedule:

Sr. No.	Time	Description
1	09:30 AM - 10:30 AM	Registration and Breakfast
2	10:30 AM - 11:50 AM	Inaugural & Keynote Address
3	11:50 AM - 12:45 PM	Panel Discussion
4	12:45 PM - 01:45 PM	Lunch Break
5	01:45 PM - 03:15 PM	Paper Presentation Session
6	03:15 PM - 03:30 PM	Tea Break
7	03:30 PM - 04:15 PM	Annual General Body Meeting (ISTE Gujarat Section)
8	04:15 PM - 05:00 PM	Valedictory Function

20th ISTE State Annual Faculty Convention-2015 is hosted for the first time by Chhotubhai Gopalbhai Patel Institute of Technology, Uka Tarsadia University on 27th October 2015.

Indian Society for Technical Education (ISTE) is the National Professional not-for-profit Society for the Technical Education System in India. The major and the foremost objective of ISTE is to provide quality training to teachers and administrators to enhance their knowledge and skills in various technical fields, which in turn helps to bridge industry and academics

So, ISTE came up with the theme “Challenges and Opportunities in Technical Education in the Era of Sustainable Development” Learning to learn, learning to be (useful) and learning to be together continues to be the fundamentals of any good education. The advent of the 21st century has, however, ushered in the paradigmatic changes and the shifts in our concepts and practices of education in general and engineering education in particular. The economic growth of any country is now increasingly dependent on creative through human resources, innovation through research and development. To produce fully skilled manpower/knowledgeable technocrats in the present era of science and technology is the need of the hour.

Youth are the most vibrant and dynamic segment as well as potentially most valuable human resource. Dr. Vijay P Goel, Deputy Director General, Department of Higher Education expressed that our country is blessed with the population of about 70 percent below the age of 35 years. However, despite phenomenal capabilities, India is seriously handicapped with a very weak and narrow knowledge base, with 12.3% gross enrolment ratio, as compared to 21% in China, 54.6% in developed countries and the world average of 23.2%. There is need to convert the available huge human resource potential into a reality by expanding opportunities for youngsters and that too on a massive scale.

Inaugural Function

The programme started with the University anthem and followed by the lamp lightening ceremony. Offering a prayer before beginning of any event has always been a part of Uka Tarsadia University. So we started our day dedicating it to God.

Later on the welcome address is given by Dr. N C Shah. Dr. N C Shah invited the chief guest, guest of honor and all the delegates to take part in the event. He also gave few advices about the improvement in the present day technical education and discussed about the stands to be taken by the technical educators in India to improve the employability.

Flowers are a proud assertion that a ray of beauty out values all the utilities of the world. So, we welcomed the guest with a flower bouquet. Our guests for inaugural function are **Dr. Pratapsinh K Desai** - the president of ISTE, **Shri. Bhagubhai Patel** - President of Bardoli Pradesh Kelavani Mandal, **Dr. D R Shah** - President of this convention and the Provost of Uka Tarsadia University, **Mr. Vijay Kaniya** - guest of honor, **Dr. N C Shah** - Director of CGPIT, **Prof. K.M. Bhavsar** - Chairman, ISTE, Gujarat Section, **Mr. Nikul Patel** - Secretary, ISTE Gujarat Section, **Dr. G P Vadodaria** - Principal of L D Engineering College.

Dr. N. C. Shah welcomed all dignitaries and faculty participants and shared his views on challenges and opportunities in the field of technical education. He also give insights of how to meet those challenges through converting the golden opportunities in make in India, skilled India and digital India. **Prof. K.M. Bhavsar** addressed the faculties of various faculties from all over Gujarat. Then **Dr. D R Shah** spoke about the draw backs which a faculty have to overcome during this 21st century to provide a better opportunity to the technical students. Guest of Honor **Mr. Vijay Kaniya** as a leading technical person in this region explained the advancement in the technology and present requirement in an engineering student. **Prof. P. K. Desai**, President, ISTE- Chief Guest enlightened the audience on skill based education and he has also provided statistical analysis for forthcoming challenges in technical education.

As a token of love and appreciation, ISTE and CGPIT presented chief guest and guest of Honor with a memento.

The Proceedings of 20th ISTE State Annual Faculty convention were released amidst of all the dignitaries from the ISTE and all the delegates attending the convention. After the release of the proceedings the session was handen over to Mr. Nikul Patel, Secretary, ISTE Gujarat Section to present the awards given away by the ISTE. ISTE Gujarat section has made a documentary on the history of ISTE and its future views. This documentary consists of experiences of various faculties with ISTE Gujarat.

A vote of thanks was given by Mr. Nikunj Gamit, one of the organizing secretaries of this convention. With this note the inaugural session was concluded. Lunch followed.

There was a panel discussion at the conference hall of Chhotubhai Gopalbhai Patel Institute of Technology.

Technical Sessions

There were total 5 parallel sessions conducted. Details of each session are as follows:

Session 1 – Title	Sustainable Development : Principal into practice
Venue	Pushpam Tarsadia Auditorium
Session Chairman	Dr. S. K. Dave
Co-chairman	Prof. Krupa Shah
Rapporteur	Prof. Rachana S. Oza
Anchor	Prof. Jasmin Gadhiya

Summary of the Research Papers Presented:

- Paper Title:** An Analysis of student's feedback for technical education using mathematical model

Author(s): Mrs. Bhavika Tailor

Brief Description:

 - Author has started explaining the importance of feedback of students.
 - Many technics related to analysis of the feedback were discussed by the author.
 - As per the results presented, Fuzzy Logic based method is used with a triangular membership function. To perform this technique one should normalize the data. It has been a good presentation, which covers various ways to understand and analyse student's feedback.
 - Session chair has graced the presentation with the innovative ideas about various analysis techniques.
 - It was a good presentation.
- Paper Title:** Effective Teaching Methodology

Author(s): Mrs. Priyanka Patel, Mrs. Pallavi Gamit & Mr. Umang Wani

Brief Description:

 - The author has discussed various teaching methods and compared them with the conventional chalk and talk method.
 - Moreover, Author has presented the survey of all those methods.
 - In addition to this, author has discussed the importance of assignment in academia.
 - At the end author has concluded by saying that hybrid method is best for better understanding from student's

perspective.

- Chair person has appreciated presentation by considering their upright case study.

3. Paper Title: Sustainable technical education by interlinking industry and academic
- Author(s): Mr. Mehul Patel & Ms.Rinkel Patel
- Brief Description:
- Author has explained various reasons of crack between industry and academic.
 - There were several points like Lack of skill, less understanding about employability rate, Absence of practical knowledge,etc. All were explained very well by the author.
 - At the end , author suggested the ways to improve employability rate.
 - Chair person has commented author about their innovative ideas for improving employability rate.
 - Overall, it was a worthy presentation.
4. Paper Title: Rapid Prototyping as a tool for enhancing engineering technology and education.
- Author(s): Mr. M. AfzalBhat & A. A. Shaikh
- Brief Description:
- Author has explained rapid prototyping for enhancing the teaching in academic.
 - In addition to that author has stereolithography and fused object modelling are used in the schools of abroad.
 - Author has discussed the live examples of implementation of above techniques in the school of Indiana as well as of North California.
 - Schools in abroad are more emphasizing on live projects.
 - Chair person has appreciated the efforts put by an author and commented to improvise the skill of presentation.
5. Paper Title: Adaptation of effective teaching in technical studies
- Author(s): Mrs. Komal Gamit , Ms. Unnati Mali & Mr. Umang Wani
- Brief Description:
- Author started with the various thoughts for the need of sustainable development in academic.
 - This can be achieve by addressing good as well as below average students by designing assignments.
 - One can even increase/decrease the difficulty of task

for well development of weak students.

- Moreover, there are some technique which should be used by the tutor to make them more interactive.
- Author has shared the rating of different teaching methods.
- Chair person has appreciated presentation by considering their straight case study and analysis.
- Overall it was a good presentation.

6. Paper Title: Sustainable Development: Principal into Practice
Author(s): Mr. Jenish Lavji , Mr. Achyut Patel & Ms. Ankita Desai
Brief Description:
- Author has started by explaining the need of sustainable development in society.
 - How one can adapt the changes and help society for the same.
 - Author has explained various circles of sustainable development.
 - Chair person has commented author about their new ideas for adaptation of sustainable development and asked an author to explain topic in depth.
7. Paper Title: Sustainable Development: Principal into Practice
Author(s): Mrs. Neetu Yadav & Mr. Krishnaraj Khatri
Brief Description:
- Author has started by explaining the need of sustainable development in society.
 - As per author, one should take into consideration of environmental securities.
 - To achieve sustainable development, education for society is must.
 - In addition, author has explained that human health & Energy consumptions are the challenges of sustainable development.
 - Chair person has precised the author with a comment that good analysis was done.
 - On the whole, it was a excellent presentation.
8. Paper Title: Importance of Observation
Author(s): Mr. Brijesh Naik , Mr. Paresh Chhotani & Mr. Samir Bhakta
Brief Description:
- Author has explained the effect of analysis of observation.
 - For analyzing the observations one can use concept of hypothesis.
 - Author has explained how the analysis of observation

can help the society.

- He has also discussed case studies to make his idea clear.
- Chair person has appreciated presentation by considering their straight case study and analysis.
- Overall it was a very good quality presentation

9. Paper Title: Necessity of ethics and moral values in technical education
Author(s): Mr. Devendra Thakor, Mrs. Chand Thakor & Mrs. Heta Pujara
Brief Description:
- Author has started with a beautiful Sanskrit saying and explained the need of value based education in today's era.
 - There is a strong call for of character building and it can be only achieved by valued based education.
 - For balancing the standards of an education system one should put more emphasis on teaching of moral values to students.
 - Chair person has commented author about their ideas for implementing moral value based education system.
 - Overall, it was a good presentation.
10. Paper Title: Role of a teacher in imparting ethics and moral values in technical educational system.
Author(s): Mr. Nirav Parekh & Mr. Hitesh Rajput
Brief Description:
- Author has explained the role of teacher in society.
 - With the help of teachers, one can make society aware society about importance of moral values and how it can be developed.
 - Chair person has commented author about their views on imparting ethics in education system and asked them to do more research on it.
 - In general, it was a good presentation.
11. Paper Title: Role of Quality education for sustainable development
Author(s): Mrs. Kinjal Mistree , Ms. Purvi Tandel & Mr. Fenil Khatiwala
Brief Description:
- Author has explained the concept of sustainable development with the help of an example.
 - Moreover, she has discussed main pillars of it.
 - As per author, one should use the available physical elements to implement sustainable development.
 - Chair person has appreciated presentation by considering their efforts and considered it as a good presentation.

Session 2 – Title	Technical Education and its transcendence
Venue	JD Hall
Session Chairman	Dr.Yogesh Rotliwala ,Principal ,SNPIT ,Umrakh
Co-chairman	Prof. Purvi Tandel CO-IT ,CGPIT
Rapporteur	Prof. Krupa Patel, ASH ,CGPIT
Anchor	Prof. Hitesh Dhameliya ,CIVIL ,CGPIT

Summary of the Research Papers Presented:

In parallel session II discussion based on two themes, total 12 presenters were there and all have presented their papers successfully.

Paper-1 Title: Bridging the industry academic Gap

Authors: Ms. Richa Tripathi

Brief Description: Author had put emphasized on engineering education system. In most of the engineering institutions the course curriculum is theoretical in nature and students are not made aware of the applications of the theories in industry. The assignments given quite often are routine and do not involve any research or innovation. The philosophy of the semester system is applied in a routine manner and the students concentrate only on grades and not on learning.

Paper-2 Title: US Model for industry academia relationship implementable in India.

Authors: Prof. Nirajkumar c Mehta

Prof. Tanuja Mishra

Dr.Dipesh d shukla

Brief Description: Authors had put emphasised on US model to fill the gap between industry and academia .Industry seeks the bare minimum solution to minimize their risk, whereas academia strives for a maximum solution to maximize their recognition. Some recommendation like Improve accreditation and governance rules in academic institutions, Build Centers of Excellence and Expertise, Industry Involvement, Attract State-of-the art teaching faculty.

Paper-3 Title: Smart education system

Authors: Prof. Anuj Chandiwal

Brief Description: The development of smart educational systems as support for education cluster depends on the evolution and the efficiently uses of the informational communicational technologies.

Paper-4 Title: Technical education and its transcendence

Authors: Prof. Bhagyashree desai

Prof. Minal kachhadiya

Brief Description: The major points were discussed like skilled manpower are not converted into skilled power.

Paper-5 Title: Transcendences of engineering education by cyber infrastructure

Authors: Prof.Khushboo Parmar

Prof.Mayuri J Patel

Brief Description: Authors had put emphasized on Cyber infrastructure that can transcend the boundaries of formal education, informal learning, and lifelong learning. Students can take benefits of the nation's scientific Cyber infrastructure by engaging with scientific models, simulations, data sets, sensors and instruments.

Paper-6 Title: Technical and vocational education and training

Authors: Prof.Ankit Adesara

Prof. Chintan desai

Prof. Nikunj tahlramani

Brief Description: Authors had focused on Reduce the mis-match between demand and supply of skilled manpower, Vocational education at various stages of education. And also pointed out major issues like Low priority for Vocational Education, Inadequate linkages with Industries.

Paper-7 Title: Flip class learning in engineering

Authors: Prof.Hardik J Prajapati

Prof.Sachin Gupta

Brief Description: Author had put emphasised on reinforcement of knowledge by proving flexible environment, create learning culture in classroom by just not to explain points in class but motivated them to be self learner ,create students cantered class structure.

Paper-8 Title: Transcendence of technology through consciousness approach with reference to electronics science for sustainable and true development.

Authors: Dr. V.S vaishnav

Brief Description: Author had put emphasised on natural resources and positive attitude for true sustainable development.

Paper-9 Title: A conceptual investigation with special emphasis on industry –academia collaboration and challenges.

Authors: Prof. Dhara desai

Prof. Shraddha kothiya

Prof. Krunal Parmar

Brief Description: The major discussion on points like Academic and industrialists have a different mindset; therefore both have different perspectives and expectations. It is high time for industry and education to build a coherent strategy and work together to narrow the gap between the demand and supply of engineers, resulting in better retention of engineers throughout their careers.

Paper-10 Title: Sustainable reformation in academia with industrial integration.

Authors: Prof. Jainish Topiwala

Prof. Vivek Pathak

Brief Description: Authors had put emphasis on the methodology of engineering education system cause of gap between academic and industry. Reformation by changing methodology like Six months Semester, Duration between two Semester (1-1.5 months) is fully utilized, Earlier Allotment of Subject to faculty, Identifying industries related to their portion, Arrangements of training (15 – 30 days) for faculties in industries etc.

Paper-11 Title: Analysis towards bridging the gap between academia and organization

Authors: Prof. Nancy lalluwadia

Prof. Himani parekh

Prof. Niyanta desai

Brief Description: The major issue in industry world is the significant disconnect between the realms of business and education. The NASSC survey of 2011 first brought the situation to light, claiming that over 75% of technical graduates are not ready for jobs. Academic institutions should develop systems and procedures to ensure that industry expectations are met without any compromise on academic aspirations.

Paper-12 Title: Industries and universities tie up for research work and syllabus building

Authors: Prof. Hardik J Prajapati

Prof. Sachin Gupta

Brief Description: Author had discussed some basic problems between industries and Academic thinking, Academia vision and industry vision, also gave some real life examples for research work and syllabus building as well as collaboration success.

Session 3 – Title	Opportunities provided by challenges in technical education and imparting ethics & moral values in technical education
Venue	Manjula Hall, CGPIT
Session Chairman	Dr. J G. Vaghasia, Principal, SSASIT, Surat
Co-chairman	Mr. Ramakant Panchal, Asst. Prof., Auto. & Mech. Engg., CGPIT, Bardoli
Rapporteur	Mr. Darshan Kapadia, Asst. Prof., Auto. & Mech. Engg., CGPIT, Bardoli
Anchor	Mr. Pranav Contractor, Asst. Prof., Electrical Engg., CGPIT, Bardoli

Summary of the Research Papers Presented:

Paper-1 Title: Change is constant

Authors: Ms. Avani Gandhi, Ms. Urvi Rathod

Brief Description: They have talked about different challenges to link industry and academic. They have suggested technological change, education system, academic syllabus and practical knowledge should be a part of industrial interaction and also help to link industry and academic.

Paper-2 Title: Challenges & opportunities in technical education in era of sustainable development

Authors: Mrs. Krishna Shah

Brief Description: She started her presentation with effect of technical education on economy of country. She also discussed problems in technical education like vacant seats, different entry level of students, deputation, clerical work of faculty & transferrable jobs, temporary/ adhoc recruitment, involvement of industry & training and updation of syllabus.

Paper-3 Title: Declining admissions in technical courses: Challenges

Authors: Mr. Gunvant Solanki, Mr. Bhavesh Dhonde

Brief Description: He talked about technical education system in India, enrolment to technical education, employment for technical graduates, reasons behind the current employment scenario, and challenges for the technical education system. He deliberated possible suggestions to improve admissions in technical education.

Paper-4 Title: Opportunities in technical education through challenges in the era of sustainable development

Authors: Ms. Dhara Rana

Brief Description: She started her presentation with system governance of technical education institutions, role of central government, state government and AICTE & UGC in technical education. She also deliberated about factors affecting education and challenges & opportunities in technical education.

Paper-5 Title: Analysis of challenges & opportunities in technical education in the era of sustainable development

Authors: Mr. Arjun Jariwala, Mr. Arupkumar Saikia

Brief Description: He began his talk with various areas like economy, environment and social community influenced by sustainable development. He discussed reformation of old structure, human tendency to resist the change, mismatching of the student's modern mentality in the slowly changing system and opportunities in the field of technical education in the era of sustainable development in technical education system.

Paper-6 Title: Adopting challenges of virtual class management system: insights and view of e-learning

Authors: Mr. Bhargav Patel, Mr. Darshan Shah, Mr. Partik Umrigar

Brief Description: He talked about uses of e-learning for access to learning material, laboratory training, digital libraries and physically challenged students learn from their

home. He discussed virtual learning, online learning and mobile learning for types of e-learning. He also mentioned role of technology, infrastructure development, digital divide, content development and managerial & policy challenges as challenges of e-learning.

Paper-7 Title: Incubation & innovation: prepare young engineers to enter today's competitive market

Authors: Mrs. Jitisha Patel, Mrs. Mithila Sompura, Mr. Vijay Reshamwala

Brief Description: She began her talk with current status of co-operation between academia and industry. She deliberated her talk with challenges in academia, need for bridging the gap between industry and academia, what industry expects from academia and industry – academia partnership.

Paper-8 Title: Imparting ethics and moral values in technical education

Authors: Ms. Amruta Varu, Ms. Kinjal Patel

Brief Description: She started her talk with explanation of ethics and values. She states ethics should not related to religion. Make society better, treat everyone equally are good ethics. Creating an ethical culture, identify best practices, tailored education & training, leadership modelling & commitment, maintain trust in the profession and strict adherence to ethical practices & support to whistle blowers are steps involving in imparting ethics and moral values in technical education.

Paper-9 Title: Value education: An Indian perspective on the need for moral education

Authors: Ms. Chandni Naik, Ms. Vaidehi Shah, Mr. Dipak Dabhi

Brief Description: In her presentation, she focused on value education. She talked about present education system, need for value education, value education in technical education and role of teachers in value education. She concluded her talk with importance of value education in today's education system because this generation are becoming more practical & profit oriented.

Paper-10 Title: Imparting ethics & moral values in technical education

Authors: Ms. Farrah Dabhoiwala

Brief Description: She began her presentation with role of parents, teachers, educational institutes and external factors on students. She presented her views on present education system, education life cycle, need for imparting moral education, role of parents in imparting education, teachers as a torch bearer of change and role of teacher to inculcate moral values in students. She concluded her presentation with importance of moral education necessity in today's world.

Session 4 – Title	Bridging the Industry - Academic gap
Venue	F-201, F-wing, CGPIT
Session Chairman	Dr. K. B. Rathod
Co-chairman	Ms. Krupali Umaria
Rapporteur	Mr. Jemish V. Maisuria
Anchor	Mr. Vishva Jain

Summary of the Research Papers Presented:

Paper-1: “Going beyond classroom teaching: a need for bridging the gap between industry and academia”

Author: Mrs. Bhavna Solanki

Brief Description: Mrs. Bhavna Solanki, lecturer of Mechanical engineering department at Polytechnic, M. S. University of Baroda presented a paper on the “Going beyond classroom teaching: a need for bridging the gap between industry and academia”. Her study describe about the gap between the industry and academia. She highlighted some points as followed. Academics and industry have different priorities and not have a proper collaboration. She had suggested some solutions to bridge that gap. She started her presentation at 02:37 pm and lasted for eleven minutes. This is followed by a 2 minute questionnaire.

Paper-2: “Bridging the gap between academia and industry”

Authors: Mr. Parth Tandel & Mrs. Hemali Jardosh

Brief Description: Mr. Parth Tandel presented “Bridging the gap between academia and industry”. He presented some reference analysis in which he shows the ratio of employed and unemployed engineers in India. In his survey he shows that around 5 million of graduates were remain unemployed annually and only 25 percent of them got employment. He suggested that academia has make more focus on the research & development and consultancy services on current technology. He spoke on this topic for a nine minutes from 02:48 pm.

Paper-3: “An analysis on bridging the gap between academic and industry”

Authors: Mr. Manish Maisuria, Mr. Urvin Patel and Mr. Krunal Parmar

Brief Description: Industry and academics have different perspective. “An analysis on bridging the gap between academic and industry” was presented by Mr. Krunal Parmar. His analysis conclude that industry has short range of thinking and that to the solution of current problem. Whereas academia has long range of thinking. His survey shows that there is 50 percent of gap between industry and academia. In his paper he conclude with the suggestion that we can bridge the gap by improving three area students, institute and industry. He presented the case study of questionnaire with two industry persons. He presented this for five minutes from 02:57 pm and it ended with a questionnaire.

Paper-4: “Bridging the industry and academic gap for sustainability in technical career”

Authors: Mr. Ashish Chaudhari, Mr. Ranjit Rajak and Mrs. Jignesha Ahir

Brief Description: Mr. Ashish Chaudhari presented a paper on the “Bridging the industry and academic gap for sustainability in technical career”. His study suggested that the quality education, the knowledge related to industry and interaction between the students and industry person will be helpful to bridge the gap and improve the sustainability of technical career. He discussed about the factors working behind the un-employability. He described one innovative idea that one regulatory body should be made state wise which forces the industries in that particular state to cover up all the technical institute for placement purpose, so that all the students will get equal chances for employment. It took him nine minutes to present his work and is followed by a two minute questionnaire.

Paper-5: “A novel approach for bridging gap between industry and academia”

Authors: Ms. Dhara Marvadi, Ms. Kinjal Pandya and Ms. Komal Desai

Brief Description: Ms. Dhara Marvadi presented her study on “A novel approach for bridging gap between industry and academia”. She discussed about the rate of unemployment in India and also the factor behind them. She provided some solutions to overcome these things. She presented a new approach “Modular Learning Management System” (M-LMS) which involves adaptation needed in current education system. In her study she concluded that project work will totally be based on industry problem, so the interaction between the students and industry will be increased. She received some suggestions from the Chair, Dr. K. B. Rathod regarding the new approach. Her presentation took eight minutes and it ended at 03:23 pm.

Paper-6: “Academia-practitioner bridging in professional courses”

Authors: Mr. Rakesh Gajre, Mr. Jayesh Munjani and Mr. Naitik Nakrani

Brief Description: Mr. Naitik Nakrani presented “Academia-practitioner bridging in professional courses”. His study describes that academia mainly focuses on the analysis and industry people focus on problem. He shows that there are two types of sciences: an explanatory science and design science. Industry people work on design science and academia works on explanatory science. He presented some very interesting solutions for bridging the gap between academia and industry. One of the solutions is the professional body like ISTE and IEEE has to take initiative to bridge the gap. In his presentation he described some points like course, research, publication, conference and consultancy can bridge that gap of industry and academia. He presented his study for eight minutes from 03:24 pm and it ended with a questionnaire.

Paper-7: “Bridging gap between academic and industry”

Authors: Mr. Kinnal Dhameliya, Mr. Mayank Kapadia and Mr. Dharam Shah

Brief Description: “Bridging gap between academic and industry” was presented by Mr. Dharam Shah. In which he explained some points that affect the un-employability like

lacking of soft skill, lacking of programming skill and lacking of domain related skill. He described the challenges related to bridge the gap like upgradation of syllabus. He presented some solution for that problem of unemployment like partnership with academia and industry, short term courses to improve the skills, collaboration of producer-consumer, etc. His presentation lasted for seven minutes from the time 03:31 pm.

Paper-8: “Challenges in engineering education and its remedies”

Author: Mrs. Karmani Rajput

Brief Description: Mrs. Karmani Rajput presented her paper on “Challenges in engineering education and its remedies”. She mainly focus on the practical knowledge of students which is very much useful in industry. In her study she presented that engineer is combination of concept, practical knowledge and soft skills. She also describe that in our Indian education career decision is taken at very young age or at level of HSC. She suggested some solution like choice based education, hybrid area of specialization, acceptance of globalization and combine effort will be required. She presented her work for more than eight minutes form 03:39 pm.

Paper-9: “Bridging the gap between industry and academics with a case study of FETR – bardoli”

Authors: Mr. Narendra V. Jagtap and Mr. Gaurang K. Champaneri

Brief Description: Mr. Narendra Jagtap and Mr. Gaurang Champaneri presented their paper on “Bridging the gap between industry and academics with a case study of FETR – bardoli”. He described that we have to improve the conventional methodologies of education and the theoretical approach. His study presented that the student’s mind sets and industry’s requirements are different. He presented the case study of FETR-bardoli and suggested some solutions like industry interaction, workshops, seminars, STTP and MOUs to bridge the gap of academia and industry. He started his presentation at 03:47 pm and lasted for ten minutes.

The session ended with certificate distribution and co-chair presented a memento to Dr. K. B. Rathod at 04:00 pm the co-chair declared the session ended.

Session 5 – Title	Imparting ethics and moral values in technical education
Venue	CGPIT, G-201
Session Chairman	Dr. Chinmay K. Desai
Co-chairman	Prof. Khushbu parmar
Rapporteur	Prof. Prakash Naik
Anchor	Prof. Supriya Pati

Summary of the Research Papers Presented:

Paper-1 Title: Ethics In Technical Education: Importance, Challenges And Solutions

Authors: Mitali Dixit, Puja Kadam, Sapan Naik

Brief Description: Sapan Naik spoke about the significance of ethical values in a technical education, Challenges of incorporating ethical and moral values in studies and the solution for imparting ethical values in technical education.

Paper-2 Title: Key Role Of Teacher In Imparting Ethics And More Values In Education

Authors: Krunalkumar Patel, Krishna Patel

Brief Description: Krishna Patel had given presentation about role of teachers in imparting Ethics and Moral values through Technical Education. According to speaker ethical thinking and moral values should be introduced in engineering education system and monitored effectively to create a good engineer to serve to the society.

Paper-3 Title: Importance Of Imparting Value Education Based On Ethics And Morality

Authors: Kinjal Shah, Grishma Thaker

Brief Description: Kinjal Shah presented swami Vivekananda's concept of education, how values can be imparted, spoke about the roles of parents, family and teachers for imparting value based education.

Paper-4 Title: Teachers Role For Moral Principles In Technical Education

Authors: Dujon Patel, Nikunj Gohil

Brief Description: Dujon patel spoke about the necessity of moral principles for students, Institutional system in India, current scenario in an educational system and teacher's role in giving moral principles in education.

Paper-5 Title: Ethics And Role Of Teachers In Indian Eductaion System

Authors: Isha Agarwal, Palak V. Desai

Brief Description: Isha Agarwal had given presentation about Imparting Ethics with education and present education system. According to speaker education system in India needs to realize the necessity of introducing a course module on ethics. In short bright future of a nation depends upon the type of teachers who shape the future generations.

Paper-6 Title: Role Of A Teacher In Imparting The Values & Ethics In Students Life

Authors: Dhaval Patel, Krunal Parmar, Pavan Hiranandani

Brief Description: Dhaval Patel spoke about the differentiation between gurukul system and present education system, values among the students and role of teacher and institute for imparting the values and ethics.

Paper-7 Title: Reviving Philosophies Of Indian Heroes For The Enrichment Of Technical Education

Authors: Nancy Rawal, Supriya Pati, Urvi Panchal

Brief Description: Supriya Pati had given presentation about ancient gurukul system; spoke about ancient and modern philosophers. According to speaker Philosophies of Indian heroes and roles of teachers play important role in imparting ethics and morals values in technical education.

Paper-8 Title: A Study On Ethics And Moral Values Existence Among Students

Authors: Rinkal Patel, Mehul Patel

Brief Description: Rinkal Patel showed data analysis of moral, social, spiritual and social values among B.Tech students. For the analysis around 80 samples were collected. The collected data were analyzed based on χ^2 test. From the study it is found that out of all values, percentage presence of moral values are highest as 34% whereas percentage sharing of personal value is quite low as 17%.

Paper-9 Title: Technical Education Based On Ethics And Morality

Authors: Krupa Dave, Nita Patil, Krupali Umaria

Brief Description: Krupa Dave had given presentation about the difference between ethics and morality, Impact of ethics in professional education and its benefits, Role of teacher in moral development and spoke about how teacher can play a role considering all current issues to enhance ethics and moral development.

Paper-10 Title: Ethics And Values: Essentials For Technical Education

Authors: Dr. Neeraj Sharma, Dr. Jayesh Shah

Brief Description: Neeraj Sharma spoke about aims of teaching engineering ethics, Application of ethics and values and Coverage of ethics in technical education. According to speaker teaching of Ethics and values with technology build the competence of technical students for the development of sustainable society. Effective ethics implantation to the technical students supports the approaches like interactive discussions, seminars –workshops, faculty development programme and reviewing of case studies.

Paper-11 Title: Assessment Education: Moral Values And Ethics In Engineering Programs In India

Authors: Tarunika Chaudhari, Monali Gandhi, Shweta Singh

Brief Description: Tarunika Chaudhri presented the comparisons between education system and value based education system, purpose of valuable education system and suggestions to implement ethical values program in education system.

Valedictory Function

The valedictory function started with welcome note to the Guest of Honor Er. K. O. Shah – Consulting engineer at K. O. Shah & Associates and Chief Guest Er. Tushar Bhatt, Vice President – Essar Power Ltd. Mr. Tushar Bhatt shared his views on need of skilled based education in today's industry. Er. K. O. Shah has brief the audience on need of entrepreneurship development in engineering students. He has also shared his views on life.

Papers titled “A Study on Ethics and Moral Values Existence among Students” by Ms. Rinkal Patel & Mr. Mehul Patel; CGPIT-Bardoli and “Challenges & opportunities in technical education in era of sustainable development” by Mrs. Krishna Shah; MSU-Baroda won the Best Paper of the Convention. They were honoured with a memento by ISTE and a certificate by CGPIT.

Prof. K. M. Bhavsar expressed his gratitude to Dr. N. C. Shah and management of CGPIT for conducting the ISTE convention at CGPIT. The function concluded with National Anthem followed by a group photograph of CGPIT family with the dignitaries.

Glimpse of the Convention



The Venue



Registration Desk



High Tea



Inauguration Ceremony



Welcoming the Dignitaries



Speech by Dignitaries



Release of the Proceedings of 20th ISTE State Annual Faculty convention



Lunch



Technical Sessions



Valedictory Function



The CGPIT Family

Committee members of 20th ISTE State Annual Faculty Convention

Registration & Certificate/Awards	Fenil Khatiwala Palak H. Desai Palak V. Desai Parth Tandel Jayesh Munjani Umang Wani Priyanka Patel Unnati Mali Himani Parekh Ashish Chaudhari Urvin Patel	Committee for Tech sessions	Ankur Rana Kinjal Mistree Mihir Patel Purvi Tandel Jenish Lavji Naitik Nakrani Anuj Chandiwalwa Khushbu Parmar Paresh Chhotani Jignesh Gadhiya
Hospitality	Ankita Desai Karmani Rajput Jignesha Ahir Rinkal Patel Nancy Lalluwadia Krupali Umaria	Press, Media and Publicity	Vibha Patel Isha Vajani Mary Florence Mehul Patel Vinay Bhavsar Rakesh Gajre Hitesh Dhameliya
Travelling & Accommodation	Nilay Desai Jay Patel Rachna Patel Samir Bhakta	Food Committee	Darshan Vora Darshan Kapadia Ankit Desai
Stage & Decoration	Hinal Surti Niyanta Desai Swati Patel Rashmi Pandey Krunal Patel Nikunj Gohil Mihir Patel	Anchors	Sunny desai Mary Florence