



# Vidya Jyothi Institute of Technology

An Autonomous Institution

(Accredited by NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)  
Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Ref: VJIT/IQAC 4/2015-16

24/11/2015

**Attention: IQAC members**

The 4<sup>th</sup> meeting of the Internal Quality Assurances Cell (IQAC) is scheduled at 2.00 pm on 24 November 2015 at the Institute premises.

Venue: Director's Chamber

IQAC members are requested to steer the meeting for the listed agenda.

**Agenda**

ITEM	Agenda Point
Item No 1	Minutes of third meeting held on 29/06/2015
Item No 2	Approval of the new Vision and Mission of the Departments
Item No 3	Approval of the departments PEOs
Item No 4	Approval of the departments PSOs
Item No 5	Curriculum gap identification
Item No 6	NAAC awareness program.
Item No 7	Status of introducing NAAC framework document in the college.
Item No 8	Criterion wise files to be maintained
Item No 9	Identified responsible person for key aspects and weightages of NAAC
Item No 10	To update College website.
Item No 11	Students Sponsorship for International conferences
Item No 12	Suggestion for future plan.
Item No 13	Anything with permission of chair.

Looking forward to meeting you,

With kind regards,

(Dr.P.Venugopal Reddy)  
Chairman, IQAC

Copy to: Circulation among IQAC members



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## **Agenda of Fourth IQAC MEETING:**

**With reference to Point No 1:** Minutes of third meeting held on 29/06/2015 was approved

**With reference to Point No 2:** Approval of the new Vision and Mission of the Departments

According to the Department Advisory Board (DAB) inputs, new vision and mission of the departments are presented to the members for the discussion. After the discussion, the following modified vision and mission statements were approved for the departments.

### **Vision of the CSE Department**

- To produce the globally competent professionals in the field of Computer Science and Engineering

### **Mission of the CSE Department**

- M1: To provide state-of-the-art facilities in Computer Science and Engineering, through innovative teaching learning practices
- M2: To promote research and development in the frontier areas of Computer Science and Engineering and to work in interdisciplinary fields
- M3: To enrich students with discipline and high integrity to serve the society and to inculcate the spirit of ethical values and leadership abilities
- M4: To establish a collaborative environment between Industry and Academia.

### **Vision of the ECE Department**

- The Electronics & Communication Engineering department intends to be a leader in creating the high quality engineers in the field of electronics and associated technologies to cater to national and global technological needs promoting the human prosperity and well being.

### **Mission of the ECE Department**

- M1: Providing an infrastructural and conducive environment to the students, faculty and researchers for attaining domain knowledge and expertise in Electronics & Communication Engineering.
- M2: Enable the students to develop into outstanding professionals with high ethical standards capable of creating, developing and managing global engineering enterprises.
- M3: Inculcate the spirit of lifelong learning by interacting with outside world and strengthen professional and communication skills.





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## **Vision of the EEE department**

- To become reputed department in the field of Electrical and Electronics Engineering to impart quality technical education and research with human values by providing excellent state of the art learning facilities.

## **Mission of the EEE department**

- M1: Imparting Quality Technical Education by providing the state-of-the-art laboratories with effective industry interaction
- M2: Preparing the students to work innovatively and effectively to find solutions for engineering problems with multi-disciplinary approach by inculcating research culture.
- M3: Preparing students for lifelong learning, team work skills with ethical responsibility for successful professional career.

## **Vision of the MECH department**

- To be recognized as a center of excellence in providing Mechanical Engineering education of international standards leading to well qualified engineers who are innovative, immediate contributors to their profession, successful in advanced studies and employable globally.

## **Mission of the MECH department**

- M1: Providing the facilities and environment conducive to a high quality education, strong foundation in the fundamental principles of Mechanical Engineering and preparing them for diverse careers.
- M2: Engaging in academic activities, which strengthen the students' regional, national and international reputation.

## **Vision of the IT department**

- To be a centre of excellence in the field of Information Technology and multidisciplinary learning that promotes global professionals who can contribute for the socioeconomic development of the nation.

## **Mission of the IT department**

- M1: To produce technologically competent global professionals and ethically responsible graduates.
- M2: To achieve academic excellence and promote research by making the department a better place in improving Innovative and Intellectual knowledge.



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**With reference to Point No 3:** Approval of the departments PEOs

Based on the vision and mission of the Department inputs are collected from all stakeholders by Department Advisory Board (DAB). It formulates Program Educational Objectives (PEOs) and deliberations are submitted to IQAC for approval. PEOs of the departments are presented and discussed in the meeting. After the discussion, the following PEOs were approved for the departments.

## **CSE Department**

- PEO 1: Graduates will be employable as Software professionals
- PEO 2: Graduates will be able to develop analytical and computational ability to solve software problems, by applying innovative technical tools in ever changing World
- PEO 3: Graduates will be able to work in multidisciplinary project teams with effective communication skills and leadership qualities
- PEO 4: Graduates will be able to embrace lifelong learning with professional ethics

## **ECE Department**

- PEO 1: To impart the students solid foundation in basic sciences, and Electronics & Communication Engineering with an attitude to pursue continuing education by meeting industry requirements (Continuing Education)
- PEO 2: To prepare engineering graduates proficient and competent in application domains: Communication, Signal Processing, Embedded Systems and Solid state electronics (Excellence in Career)
- PEO 3: To develop the students with professional skills to function as members of multi-Disciplinary teams in engineering and to achieve leadership role with innovative skills (Multi-Disciplinary Engineering and Leadership)
- PEO 4: To prepare engineering graduates engaged in lifelong learning with professional honesty and integrity together with an appreciation of social responsibility (Contribution to Society).

## **EEE Department**

- PEO 1: To provide the students with a sound foundation in the mathematics, science and engineering fundamentals necessary to become employable.
- PEO 2: Graduates able to apply their technical knowledge to take up higher responsibilities in industry, academics and create innovative ideas in the field of Electrical and Electronics Engineering.
- PEO 3: Equip graduates with the communication skills, leadership qualities and team work with multi disciplinary approach and zeal to provide solutions for engineering problems.
- PEO 4: To inculcate ethical values and aptitude for lifelong learning needed for a successful professional career of the graduates.





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## MECH Department

- PEO 1: To induce thorough understanding of basic sciences, mathematics and mechanical engineering in students to demonstrate their ability both in theory and practical.
- PEO 2: To encourage students to analyze & acquire real time core engineering knowledge and contemporary industrial practices.
- PEO 3: To pursue higher studies, become globally employable, imbibe the essence of team work and become entrepreneurs in a multidisciplinary environment.
- PEO 4: To encourage students to develop leadership and communication skills through which they can demonstrate their environmental, social, ethical responsibilities, and to provide a platform for lifelong learning and inculcate the culture of R&D.

## IT Department

- PEO 1: Core Capabilities/Competence: Impart profound knowledge in humanities and basic sciences along with core engineering concepts for professional enhancement.
- PEO 2: Career Advancement: Enrich analytical skills and Industry-based modern technical skills in core and interdisciplinary areas for accomplishing research, higher education, entrepreneurship and to succeed in various engineering positions globally.
- PEO 3: Life-Long Learning: Infuse life-long learning and professional ethics, adaptation to innovation along with effective communication skills with a sense of social awareness.

**With reference to Point No 4:** Approval of the departments PSOs

Based on the vision and mission of the department inputs are collected from all stakeholders and Program Assessment Committee (PAC) by Department Advisory Board (DAB) to formulate Program Specific Outcomes (PSOs). The PSOs deliberations are submitted to IQAC for approval. PSOs of the departments are presented and discussed in the meeting. After the discussion, the following PSOs were approved for the departments.

## CSE Department

- PSO 1: Successful career: Able to excel in professional career with sound problem solving skills for providing IT solutions by proper plan, analysis, design, implementation and validation.
- PSO 2: Lifelong learning: Able to be an employee, entrepreneur and researcher using scientific, technical and communication base to cope with latest technology and zest for higher studies

## ECE Department

- PSO 1: To impart knowledge in the field of Electronics & Communication Engineering by training the students in contemporary technologies which meet the needs of industry.
- PSO 2: To confide information on thrust areas of semiconductor technologies for students to pursue research in their field of interest.



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## EEE Department

- PSO 1: Design, Analysis of different electrical systems with suitable modeling and sustainable control.
- PSO 2: Ability to become a global engineer with entrepreneur practices and a good research aptitude for higher education

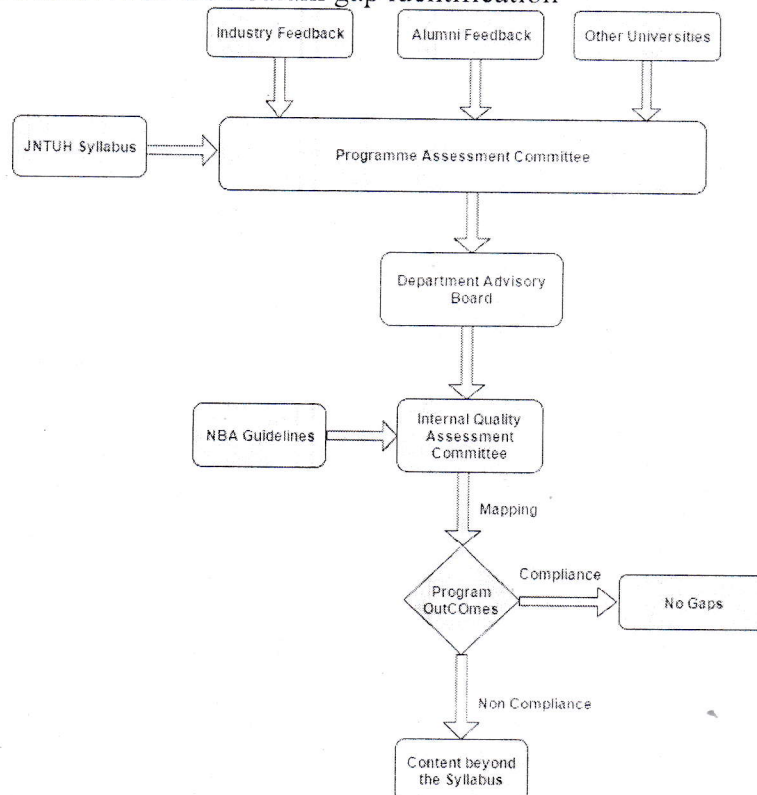
## MECH Department

- PSO 1: An ability to analyze and solve problems of welding special materials and employing reverse engineering techniques for the design of mechanical engineering components.
- PSO 2: An ability to design, develop and implement mechanical engineering solutions in view of sustainability, environmental issues with social responsibility.

## IT Department

- PSO 1: Use mathematical abstractions and algorithmic design along with programming tools to solve complexities involved in efficient programming.
- PSO 2: To provide software skills and documentation ability for graduates to become employable/ Higher studies/ Entrepreneur/Researcher.

### With reference to Point No 5: Curriculum gap identification



The above process is used to identify the curriculum gap. PAC collects feedback from alumni, Industry, academic peer groups and identifies the curriculum gap and it submitted to DAB. DAB





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submit the curricular gap and corrective suggestion to IQAC. IQAC analysis approves the plan of action to fulfil curriculum gap.

Curriculum gap for the following departments are identified and the corrective action of conducting class, which covers the topic beyond the syllabus.

## **CSE Department**

- JAVA real time application
- Data mining
- Advanced Network security
- App development
- Cloud computing

## **ECE Department**

- Verilog And VHDL Programming
- Antenna Designs: Long Wire Antennas, Rhombic Antennas and its Practical Applications
- Logic Gates Using CMOS
- Noise Concepts Related To Random Signals
- Solutions of Different Equations Using LT & ZT

## **EEE Department**

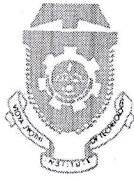
- Analytical calculations of magnetic field in air gap
- Effects of Electro Magnetic fields on Human Body and plants
- Design of Electrical machines
- Ventilation of Generator and Transformer
- PLC based Control systems

## **MECH Department**

- Modular Reconfigurable Robots in Space applications
- Measurement of Screw Threads, principles of flowing carriage micro meter
- Flexible manufacturing system (Machine cells and clusters)
- CAM applications in industries
- Determination of density-suspension method and density gradient method
- A Stochastic continuous review-model

## **IT Department**

- Data Structures
- Digital Logic Design & Computer Organization
- Principles of Programming Languages
- Database Management Systems
- Design and Analysis of Algorithms



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**With reference to Point No 6:** NAAC Awareness Program.

NAAC Awareness program was organized on 26-11-2015 by Prof.Laxmipathi Rao

**With reference to Point No 7:** Status of introducing result framework document in the college

- Criterion wise responsible person are identified and informed to the respective faculty on 4 December 2015
- The same was communicated through mail to all the HOD's and NAAC coordinators on 4 December 2015
- 2<sup>nd</sup> meeting was scheduled on 21 January 2016 and everyone was requested to submit the status of NAAC files on 28 January 2016
- On 3<sup>rd</sup> February 2016 Secretary and correspondent Dr.P.Rajeshwar Reddy will meet all the NAAC coordinators regarding the files required and PPT for the peer team visit.

**With reference to Point No 8:** Criterion wise files to be maintained

The following files are to be maintained by the departments. Chairman IQAC was informed to all the coordinators to maintain the listed files below.





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Criterion wise files to be maintained	Responsible person
<b>Criterion 1</b>	<b>Dr V Venkata Krishna</b>
<ol style="list-style-type: none"><li>1. Vision &amp; Mission</li><li>2. Course files</li><li>3. Curriculum improvement</li><li>4. NPTEL , IUCEE/Any other webinars</li><li>5. MoU's</li><li>6. FDP/Seminars/Workshops</li><li>7. Courses introduced in last 4 years</li><li>8. Exit Feedback survey (Stake holders: Students/parents/alumni)</li><li>9. CBCS Guidelines</li></ol>	
<b>Criterion 2</b>	<b>Dr.A.Padmaja /Ms.G.Sreelatha</b>
<ol style="list-style-type: none"><li>1. Programs offered by the institutions in last 4 years</li><li>2. Catering to students diversity</li><li>3. Student enrollment &amp; Profile</li><li>4. Assessments of students</li><li>5. Bridge &amp; Remedial classes</li><li>6. Professional bodies</li><li>7. Students centric learning</li><li>8. E- Learning resources</li><li>9. E-Class room register</li><li>10. Mentors &amp; Counseling files</li><li>11. Department Library files</li><li>12. Recruitment of faculty</li><li>13. Seminars/Workshops/Guest Lectures</li><li>14. Course material Bound ( In department, Library &amp; Website)</li><li>15. Students feed back</li><li>16. Result analysis</li><li>17. Faculty awards</li><li>18. Evaluation process &amp; Reforms</li><li>19. Project viva voce</li><li>20. Graduate attributes</li><li>21. Academic monitoring</li><li>22. Teaching and Assessment strategies</li><li>23. UG and PG best projects( As mentioned in SSR)</li></ol>	



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Criterion 3	Dr.Archanaa
<ol style="list-style-type: none"><li>1. Industrial tours &amp; visits</li><li>2. Promotion of research</li><li>3. Research committee file</li><li>4. Methodologies to strengthen research in the department &amp; implementation part</li><li>5. Student Events</li><li>6. Professional bodies</li><li>7. Minor/Major Research projects</li><li>8. Workshops/training programs</li><li>9. Projects file as per the list in 3.1.10</li><li>10. National/International conference presentations ( Sponsored by the Institution)</li><li>11. Student research projects</li><li>12. Library details</li><li>13. Patents (Director Sir &amp; B V Reddy)</li><li>14. Projects in page no 105. ( MECH, ECE, EEE)</li><li>15. Research publications of all depts.( in bound form)</li><li>16. Monographs &amp; Books</li><li>17. Research awards (132-135)</li><li>18. Consultancy</li><li>19. Industry Institute Interaction</li><li>20. Extension Activities</li><li>21. Service oriented projects as mentioned in page no 145.</li><li>22. Student Internships</li><li>23. Student placement Activities</li></ol>	
Criterion 4	Dr.B.Satyanarayana Reddy
<ol style="list-style-type: none"><li>1. Physical facilities( Classrooms, E-classrooms, labs)</li><li>2. Purchase of equipment</li><li>3. Sports</li><li>4. NSS activities</li><li>5. ELCS lab communication skills</li><li>6. Health center, Yoga, RO Plant</li><li>7. Library advisory committee</li><li>8. IT Infrastructure ( No of computers, software, internet, Wi-Fi)</li><li>9. UPS back up</li></ol>	





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<b>Criterion 5</b>	<b>Prof.Srinivasulu</b>
<ol style="list-style-type: none"><li>1. Student mentoring &amp; support</li><li>2. Cart Wheel</li><li>3. EDC ( M.S. Goutham)</li><li>4. Sports facilities</li><li>5. Co-Curricular activities</li><li>6. Student workshops/Quizzes</li><li>7. Sponsorships</li><li>8. Placement Data- Praveen</li><li>9. Women grievances Cell</li><li>10. Anti Ragging Committee</li><li>11. Alumni</li></ol>	
<b>Criterion 6</b>	<b>Dr.V.V.Satyanarayana</b>
<ol style="list-style-type: none"><li>1. Vision &amp; Mission of Department</li><li>2. Policies</li><li>3. Academic planning</li><li>4. PG Studies and R&amp;D Consultancy</li><li>5. CMC</li><li>6. Organization chart</li><li>7. Governing body CMC minus</li><li>8. Students/Faculty grievances Cell</li><li>9. Financial Management</li><li>10. IQAC Committee</li></ol>	
<b>Criterion 7</b>	<b>Prof.M.Rajendra Prasad</b>
<ol style="list-style-type: none"><li>1. Environment Consciousness</li><li>2. Innovations</li><li>3. Best Practices PBL/R&amp;D</li></ol>	



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With reference to Point No 9: Key aspects and weight ages of NAAC

Key aspects wise faculty responsible are identified and informed their responsibilities

Criteria	Key Aspects	Responsible Person	Marks
<b>I. Curricular Aspects</b>	1.1 Curriculum Design and Development	Dr. V.V Krishna	
	1.1 Curricular Planning and Implementation	D Venkateswarulu	20
	1.2 Academic Flexibility	Swarna/VijayaShanthi	30
	1.3 Curriculum Enrichment	Swarna/VijayaShanthi	30
	1.4 Feedback System	Swarna/VijayaShanthi	20
	<b>Total</b>		
<b>II. Teaching-Learning and Evaluation</b>	2.1 Student Enrolment and Profile	Pradeep Reddy	30
	2.2 Catering to Student Diversity	Satyam	50
	2.3 Teaching-Learning Process	Sriram Reddy	100
	2.4 Teacher Quality	Chalam	80
	2.5 Evaluation Process and Reforms	D Srinivas/VijayaLaxmi	50
	2.6 Student Performance and Learning Outcomes	Jayamadhuri / LalithaSowmya	40
	<b>Total</b>		
<b>III. Research, Consultancy and Extension</b>	3.1 Promotion of Research	DrArchanaa	20
	3.2 Resource Mobilization for Research	DrArchanaa	10
	3.3 Research Facilities	Dr Mahesh/Dr D Raju	10
	3.4 Research Publications and Awards	Aswin/Srinivas	20
	3.5 Consultancy	D Venkateswarulu/Sharma	10
	3.6 Extension Activities and Institutional Social Responsibility	E.M.Raju	60
	3.7 Collaborations	Rajesh	20
	<b>Total</b>		
<b>IV. Infrastructure and Learning Resources</b>	4.1 Physical Facilities		30
	4.2 Library as a Learning Resource	Parameshwar/Alex	20
	4.3 IT Infrastructure	Shiva/Bhavani	30
	4.4 Maintenance of Campus Facilities	Dr BSR/Prabhakar Reddy	20
	<b>Total</b>		





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<b>V. Student Support and Progression</b>	5.1	Student Mentoring and Support	Prof B Srinivasulu	50
	5.2	Student Progression	Praveen	30
	5.3	Student Participation and Activities	Eshwar/Gowtham/Ramesh	20
	<b>Total</b>			<b>100</b>
<b>VI. Governance, Leadership and Management</b>	6.1	Institutional Vision and Leadership	Indira Priyadarshini/Vani	10
	6.2	Strategy Development and Deployment		10
	6.3	Faculty Empowerment Strategies		30
	6.4	Financial Management and Resource Mobilization	MrVenkataChalam	20
	6.5	Internal Quality Assurance System	DrPadmaja.MsSreeLatha	30
	<b>Total</b>			<b>100</b>
<b>VII. Innovations and Best Practices</b>	7.1	Environment Consciousness	MsSrinedhi	30
	7.2	Innovations	Prof Rajendra Prasad	30
	7.3	Best Practices	Prof Rajendra Prasad	40
	<b>Total</b>			<b>100</b>
<b>TOTAL</b>			<b>1000</b>	

**With reference to Point No 10:** To update College website  
Director and Principal instructed all HOD's to update college website.

**With reference to Point No 11:** Students Sponsorship for International conferences

The following students have been sponsored to ICTIEE 2016  
Students participated in 3<sup>rd</sup> Indian Student Forum held at Pune, Maharashtra: Jan 7 to 10 2016





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S.No:	Student Name
1	B Santosh Pawan Kumar – ECE
2	P Ajay – ECE
3	H Roopak
4	A Swarnamani – ECE
5	C Kavya Sree – ECE
6	P Prathyusha – ECE
7	C N S Revathi – ECE
8	V S D Anirudh Sharma – ECE
9	K R Roshid – Mech
10	K Nikitha - Mech
11	A Lahari – ECE
12	D Tarun – ECE
13	B Ram Saketh – Mech
14	K Rohan –CSE
15	B Lakshman Sahith – IT
16	V Meghana – ECE
17	M Mallika – ECE
18	Kevin – ECE
19	A Anirudh – ECE
20	K Chandrika – ECE
21	P Chandrakumar – ECE

**With reference to Point No 12:** Suggestion for future plan.

**With reference to Point No13:** Anything with permission of chair.

**End of the Minutes**



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Dr. P. Venugopal Reddy	Dr. A. Padmaja	Dr. V. Usha Shree	Dr. V. Venkata Krishna

Dr. M.V. Krishna Rao	Prof. G. Sreeram Reddy	Prof. S.M. Zafarullah	Mrs. G.Srilatha

Prof. B. Srinivasulu	Dr. G. Krishna Kumar	Prof. M. Ravi	Dr. B. Sathyanarayana Reddy

Mr. R.Venkata Chalam	Prof.M. Bhagavath Rao	Dr. M.V. Krishna Murthy