ANNUAL REPORT

2015-2016

K.E. Society's

Rajarambapu Institute of Technology
Rajaramnagar, Islampur,
(An Autonomous Institute)

National Institutional Ranking Framework
Ministry of Human Resource Development
Government of India

INDIA RANKINGS 2016

Ranked among Top 100 Engineering Colleges

75th all over India

7th across Maharashtra

Criteria wise National Ranking

39th	• Perception (PR)
66th	• Outreach & Inclusivity (OI)
85th	• Graduation Outcome (GO)
100th	• Teaching Learning & Resources (TLR)
134th	• Research, Professional Practice & Collaborative Performance (RPC)

CONTENT

FOREWORD

It is a matter of deep sense of satisfaction and a moment of pride to present the annual report of K.E. Society's Rajarambapu Institute of Technology, Rajaramnagar for the year 2015-2016. We are happy to present the achievements and the progress we have made during the last year to improve our academic offerings and students learning experiences. In a nutshell it is more satisfying year for each one of us at RIT.

An autonomous RIT is making progress towards providing the best in class learning environment by adopting the best practices and innovative pedagogical tools. Our efforts are on towards creating a dynamic research ambiance to promote research and innovations at all levels. We have created the state of the art learning space (Library) which acts as a repository of knowledge.

We would like to extend our sincere thanks to our distinguished members of Board of Governors, Academic Council and Board of Studies, Faculty, Students, Alumni and Industry partners and all our well wisheres for their continued support and remarkable contribution. Looking forward, we will continue to work towards achieving our vision of transforming young minds in to competent engineers to face global challenges.

Dr. Mrs. S. S. Kulkarni
Director

Shri. Bhagatsinh Patil
BOG, Chairman

KASEGAON EDUCATION SOCIETY

Kasegaon Education Society is one of the leading educational organizations in the Western Maharashtra. It was established in 1945 by Late Shri. Rajarambapu Patil, the leading statesman. Considering the need of time, the society focused its attention on taking the education to the threshold of the rural masses. The Society started schools in the nearby villages and a hostel for backward class students at Kasegaon.

After the untimely and sad demise of Shri. Rajarambapu Patil in 1984, it was Shri. Jayant Patil, his son, who alike his father entered his public life through educational activities. He shouldered the responsibility of Kasegaon Education Society. Shri Jayant Patil took the Society with time, diversifying its educational facilities. Today the Society has 35 primary & secondary schools and 14 higher educational institutes under its roof. This includes mainly three degree arts, commerce & science colleges, two information technology institutes, an engineering college, a polytechnic, two management institutes, a nursing institute, an agricultural polytechnic, a pharmacy college and an international school. More than 1500 employees are working under the society.

The Society has been conferred with prestigious award like 'Dr. Babasaheb Ambedkar Dalitmitra Puraskar', 'State award for Educational Institutes'. Certificates of appreciation have been also awarded to the Society by C-DAC & MKCL for its exemplary contribution towards computer literacy.

Rajarambapu Institute of Technology established in 1983 has proved to be a landmark development of the Society as well as an instrument for expanding of its horizon.
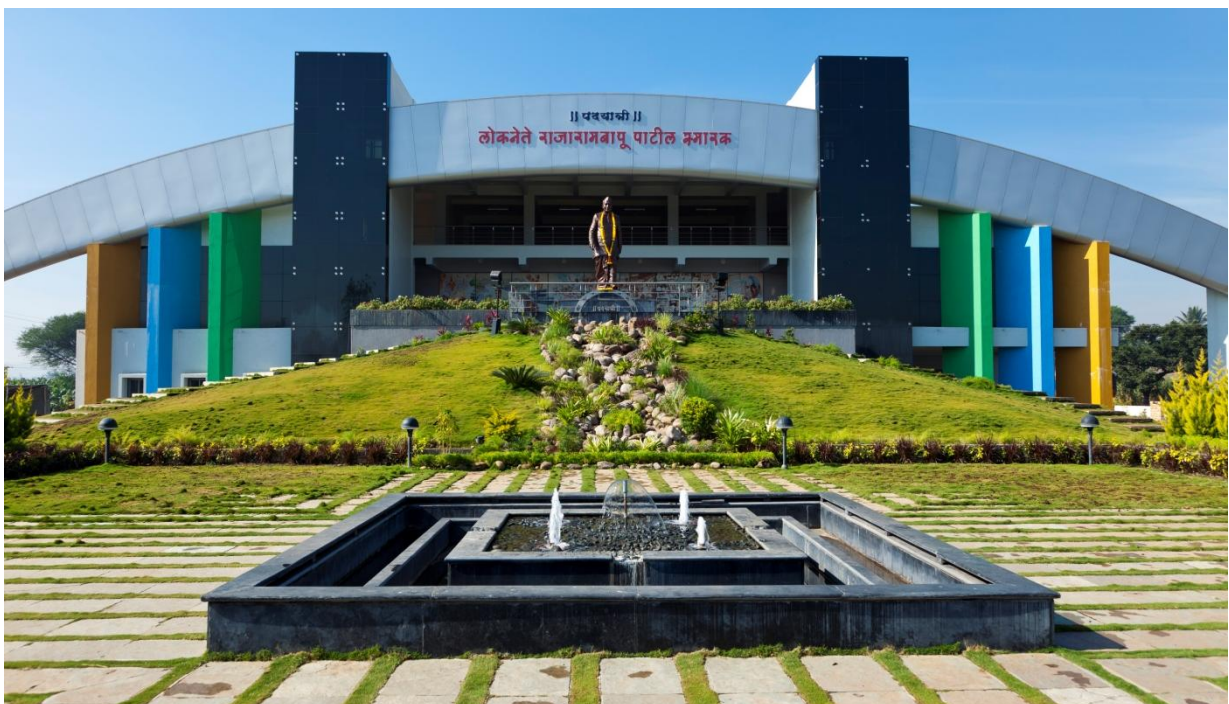
- Ranked 75th across all over India, 7th at State level and 1st in University as per National Institutional Ranking Framework (NIRF) by MHRD, Government of India through AICTE.
- Accredited by Institution of Engineers (India), Kolkata
- Accredited by Tata Consultancy Services (TCS).
- Signed MoU for TEQIP Phase II with project funding of Rs. 4.00 Crore. Additional funding of Rs. 2.00 Crore granted from TEQIP, total funds received from TEQIP – II of Rs. 6 Crore.
- Received grants worth Rs. 1.50 Crore in last three years from AICTE, DST (FIST) and industries and five products are in the final phase of commercialization. We have established Centre for Innovation, Incubation and Entrepreneurship Development (CIIED).
- Excellent computer center (CAD) with softwares worth Rs. 1.50 Crore.
- RIT has a dedicated R&D cell to nurture the research, innovation and entrepreneurship ideas among faculty and students. Institute has 26 provisionally registered patents.
- Webinars from IUCEE (Indo-US Collaboration for Engineering Education). IUCEE was conceptualized by over 150 leaders of Engineering Education and business from USA and India. Enjoying status of regional chapter and organized Online Webinars, Conferences, Workshops & Expert lectures through Indo-US chapter. Recently two faculties Prof. Sachin Patil, CSE Department and Prof. S. R. Kumbhar, Automobile Engineering Department have delivered National level webinar under this platform.
- RIT Finishing School is established to offer the skill based short term courses in the field of CAD/CAM/CAE, Product Design & Development.
- ICT is effectively used in Teaching Learning Process –We are extensively using NPTEL Lectures, Blended Moocs with IIT, Powai.
- Moodle Server is implemented for creating virtual learning environment & for e-resources content management.
- Every semester we conduct an Academic Audit for all courses being taught in that semester. The objective is to enhance the quality of teaching-learning process and facilitate the learning of all students. A methodological approach is laid for conducting the audit.
- Mini Projects for the First year students have been incorporated in the curriculum in the order to enhance and utilize the creative potential of the students and built positive attitude, which will help them in their social & technical life ahead. Professional Skill Development introduced as credit course in 1st, 2nd& 3rd year with focus on communication & English language enhancement.
- Alumni are spread all around the world and we publish RIT Communique, an Alumni Newsletter every quarter to remain connected with them. Up till now 25 issues were published.
- Institute has developed a Strategic Planning for five years with SWOT analysis and prepared one page strategic plan as per Gazelles inc. (Verne Harnish) from 2009. As per this strategic plan annual goals have been decided and Key Result Areas (KRA) defined for all the faculty members along with Director. Based on KRAs achieved, incentives and rewards are given every year up to 5% of salary.
- Institute has organized three international Conferences during 2015-16.

OUR VISION AND MISSION

Vision

> Transformation of young minds in to competent engineers to face global Challenges.

Mission

> To offer the state of art technical education programs to shape promising engineers with requisite skills, knowledge, research aptitude, values and ethics ensuring rewarding careers.

Rajarambapu Institute of Technology has an ambitious vision of transforming the young minds into competent technocrats and managers to practice their profession in a boundary less world. Towards the attainment of this vision, the institute is to be recognized as one of the premier institution in Engineering and Management education, research and transfer of knowledge for the benefit of local as well as global society. It intends to be world class institute creative in character, with innovation high on agenda.

The Institution dreams big, think great and intends to be heading towards world class education by using autonomy effectively and contribute to the industrial development of the area. The trustee's of the Society and the Board of Governors are visionaries, imaginative and committed to the cause. They are fully conscious about the changes that are happening at the global level and motivate and guide to set the institute responsive to the dynamics of change.

Through this mission, RIT commits to deliver the world class quality educational programs both at under graduate and post graduate level, relevant and purposeful matching with opportunities with judicious focus on both theory and practice. The management and faculty put up relentless efforts to foster the learning culture and promote the learning opportunities to develop the student with knowledge, skills and competencies for seeking the career opportunities of their choice.

The institute fosters research culture and focus on technological innovations and development of relevant technologies that are sustainable, inclusive and for the benefit of all the sections of the Society. A strong Industry–Academia interaction for mutual benefit, which is built on the strong foundations of mutual trust. This interaction will help students to acquire industry relevant practices, bridge the gap between the theoretical concept and industry practices and promote industry relevant research.

Core Values

- **Practice What we Preach**: Total transparency in behavior and dealing with each other. For, we do what we say and say that which we could do.

- **Joy of Learning**: Learning is effective life preparation, leaving a sound foundation. We believe this cannot happen unless one loves learning really enjoys it.

- **Each one can Excel**: We believe everyone is potentially gifted. We are there for enkindling the latent potential to achieve our dreams and goals.

- **Fairness & Equality**: When nature has taken care that each species has some added advantage over other to ensure equality, we must demonstrate it. It will remove mistrust: will not let discrimination of any kind.

- **Cooperation**: Together we stand; divided we fall.

- **Honesty & Sincerity**: Self-conscious is best judge for moral merit. Let's not small in our own eyes.

Quality Policy

We are committed to impact quality education in Engineering & Management keeping in mind global trends and the needs of the industry in a rapid changing environment.
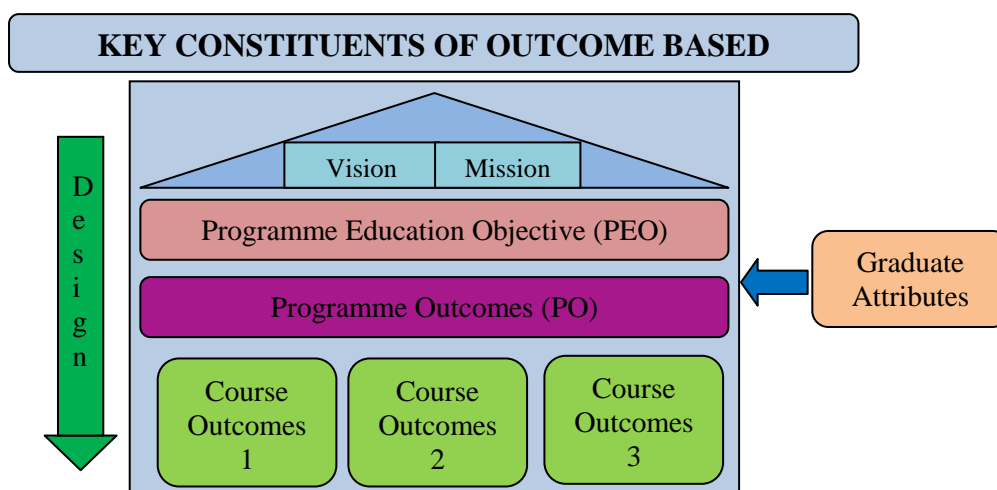
ACADEMICS AT RIT

RIT is an autonomous institute affiliated to Shivaji University and it has implemented OBE model of education, which is a learner centered approach. RIT has witnessed a sea change in the entire academic systems since last five years and also successfully transitioned from a traditional university affiliated institute to an autonomous institute with implementation of all three components of OBE – Design, Delivery and Assessment. The RIT model of autonomy focuses on experiential learning which believes in learning by doing. This is achieved through hands on experience, industrial assignments, mini projects and live problem solving.

RIT set in to dynamics of transformation and witnessing a shift in focus from teaching to learning and entire academic system of RIT is designed to provide multiple learning opportunities for students to acquire and demonstrate the knowledge, skills and competencies for rewarding career.

The Vision and Mission of the Management, contribution from eminent BOG members and knowledgeable members of Academic Council and Board of Studies, the motivation and drive of the Director, the relentless efforts of the fellow Deans and Head of Departments and all teaching and non teaching staff along with commitment to learning of students made it possible to successfully transform the institute and stand out to carve a niche for itself as an Institute of repute.

KEY CONSTITUENTS OF OUTCOME BASED

Design

Vision | Mission

Programme Education Objective (PEO)

Programme Outcomes (PO)

Graduate Attributes

Course Outcomes 1 | Course Outcomes 2 | Course Outcomes 3

The quality of the academics at RIT depends upon the three important constituents of OBE i.e. Design of Curriculum, Delivery and Assessment.

The Graduate Attributes published by NBA, the technological trends and advances in technology in the specific domain, the expert's suggestion and guidelines from the BOG, Department Advisory Board members and Academic Council helps to design the curriculum which meets the Program Outcomes and Program Educational Objectives. It is not sufficient to have the best curriculum. But the delivery mode to match the learning styles is equally important to achieve the Course and Program Outcomes.

Multiple learning opportunities are given to students to learn the way they want. The teacher uses variety of delivery techniques to enhance the learning effectiveness with respect to traditional lecture to flipped classrooms. Project Based Learning (PBL) and Problem Based Learning are the effective tools used by faculty to have better learning. The RIT faculty has accepted the challenges of matching the teaching styles and delivery technologies with learning ability and learning styles of students. A good transformation is on the agenda from traditional lecture based learning to the Learner Centered Approach.

Academic Planning and Monitoring

Assessment is the important component of learning and RIT uses assessment as a power tool to evaluate the effectiveness of learning of the students. We believe that the assessment gives the feedback of students and drives the learning.

RIT has implemented the phased assessment system. The entire component of assessment is divided into three components. The In Semester Evaluation (ISE) is spread over the entire semester and gives the opportunity for the teacher to use multiple techniques appropriate to the course from the basket of techniques. The projects, mini projects and seminars will give the students the opportunities to identify and collect the relevant date and implementing the best solution.

Thus, RIT has created the right ambiance for learning and the various opportunities with MOOCS, QEEE classrooms and Webinars from IUCEE. All these give excellent sources for learning made available to students. RIT practices 100 percent transparency in assessment and provides remedial coaching for slow learners.

RIT has good mix of young and experienced faculty which blends together in giving varied learning opportunities and expenses to students. Faculty members always strive hard to give their best.

STUDENT ENROLLMENT

Rajarambapu Institute of Technology, an autonomous institute since 2011-2012, offers 7 Under Graduate programs leading to B.Tech degree, 11 Post Graduates programs leading to M.Tech degree, 3 research programs leading to Ph.D. an MBA program and 4 Diploma programs for the academic year 2015 2016.

- ## Programs Offered with Intake Capacity

Sr. No.	Program	Year of Estb.	Intake capacity	Accreditation status
	B. Tech Program			
1	Automobile Engineering	1983	60	Eligible for Reaccreditation
2	Civil Engineering	1992	60	Accredited (5 Yrs from 05/08/2013)
3	Computer Science & Engineering	1999	60	Applied for Reaccreditation
4	Electronics & Tele Communication	2002	60	Applied for Reaccreditation
5	Electrical Engineering	2004	60	Applied for Reaccreditation
6	Information Technology	2001	60	Eligible for Reaccreditation
7	Mechanical Engineering	1987	120	Provisionally Accredited (2 Yrs from 01/07/2014)
	B. Tech Total		**480**	
	M. Tech Program			
8	Automobile Engineering	2010	18	Provisionally Accredited (2 Yrs from 18/12/2015)
9	Mechanical - Design Engineering	1997	24	Provisionally Accredited (2 Yrs from 1/07/2014)
10	Mechanical - Production Engineering	2004	18	Applied for Reaccreditation
11	CAD/CAM/CAE	2009	18	Provisionally Accredited (2 Yrs from 18/12/2015)
12	Civil - Construction Management	2010	18	Provisionally Accredited (2 Yrs from 18/12/2015)
13	Civil - Structural Engineering	2004	24	Applied for Reaccreditation
14	Electronics Engineering	2002	18	Provisionally Accredited (2 Yrs from 1/07/2014)
15	Electronics - Digital System	2011	18	In the process of applying for Accreditation
16	Electrical - Power Systems	2011	18	In the process of applying for Accreditation
17	Computer Science & Engineering	2011	18	In the process of applying for Accreditation
18	Heat Power Engineering	2015	18	Yet to become Eligible
	M. Tech Total		**210**	
	Management Program			
1	MBA	1994	120	Yet to be applied

Sr. No.	Program	Year of Estb.	Intake capacity	Accreditation status
	Diploma Program (Second Shift)			
20	Civil Engineering	2014	60	Yet to become Eligible
21	Mechanical Engineering	2014	60	Yet to become Eligible
22	Automobile Engineering	2015	60	Yet to become Eligible
23	Electrical Engineering	2015	60	Yet to become Eligible
	Total Diploma		**240**	
	Ph.D. Program			
24	Civil Engineering	2011		
25	Electronics Engineering	1999		
26	Mechanical Engineering	2011		
	Grand Total – UG + PG + Diploma		**1,050**	

- ## Enrolment of First Year Students

B.Tech. Program

Sr. No.	Program	Students admitted to First Year				
		Intake	2013-2014	2014-2015	PIO quota 2014-15	2015-2016
1	Automobile Engineering	60 + 3	62	62	0	63
2	Civil Engineering	60 + 3	62	63	5	63
3	Computer Science & Engg.	60 + 3	63	63	1	63
4	Electrical Engineering	60 + 3	63	63	2	63
5	Electronics & Tele Comm.	60 + 3	62	63	2	63
6	Information Technology	60 + 3	62	56	4	65
7	Mechanical Engineering	120 + 6	124	125	0	125
	Total	**480 + 24**	**498**	**495**	**14**	**505**

M. Tech. Programs

Sr. No.	Program	Intake capacity	Students admitted to First Year					
			2013-2014		2014-2015		2015-2016	
			No. of students	GATE *	No. of students	GATE *	No. of students	GATE *
1	Automobile Engineering	18	17	8	18	8	17	3
2	Civil - Construction Management	18	18	1	17	3	18	-
3	Civil - Structural Engineering	24	18	3	24	5	24	-
4	Computer Science & Engineering	18	18	11	18	4	18	-
5	Electrical - Power Systems	18	18	3	17	-	18	3
6	Electronics Engineering	18	18	8	18	11	18	-
7	Electronics - Digital System	18	17	10	18	8	18	3
8	Mechanical - Design	24	18	11	24	18	24	18

Sr. No.	Program	Intake capacity	Students admitted to First Year					
			2013-2014		2014-2015		2015-2016	
			No. of students	GATE *	No. of students	GATE *	No. of students	GATE *
9	Mechanical - Production	18	18	3	18	9	18	6
10	CAD/CAM /CAE	18	18	8	18	13	18	9
11	Mechanical- Heat Power Engg.	18	-	-	-	-	18	9
	Total	**210**	**178**	**66**	**190**	**79**	**209**	**51**

GATE *- Valid GATE score & Scholarship students admitted to first year M.Tech. program.

MBA Program

Sr. No.	Program	Intake capacity	Students admitted to First Year		
			2013-2014	2014-2015	2015-2016
1	MBA	120	116	109 + 4 (PIO)	118

Diploma Programs (Second Shift)

Sr. No.	Program	Intake capacity	2014-2015	2015-2016
1	Civil Engineering	60	14	39
2	Mechanical Engineering	60	32	50
3	Automobile Engineering	60	-	11
4	Electrical Engineering	60	-	32
	Diploma Total	**240**	**46**	**132**

Enrolment for Research Programs (Ph.D. Shivaji University)

Sr. No.	Name of Branch	Total Enrollment	Ph.D. awarded till date	In progress
1	Civil Engineering	21	02	19
2	Mechanical Engineering	10	-	10
3	Electronics Engineering	08	-	08

• Category wise Student Distribution & Enrolment

B. Tech Programs

Sr. No.	Category	Quota in %	No. of Students in the category	Students Admitted		
				2013-14	2014-15	2015-16
1	Scheduled Caste (SC)	13	41	53	38	35
2	Scheduled Tribe (ST)	7	22	10	17	17
3	Vimukta Jati (VJ)/De Notified Tribes(DT) (NT-A)	3	9	12	9	9
4	Nomadic Tribes 1 (NT-B)	2.5	8	8	8	7
5	Nomadic Tribes 2 (NT-C)	3.5	11	20	10	11
6	Nomadic Tribes 3 (NT-D)	2	6	8	6	6
7	Other Backward Class (OBC)	13	40	91	56	53

Sr. No.	Category	Quota in %	No. of Students in the category	Students Admitted		
				2013-14	2014-15	2015-16
8	Defense Service Personnel	5	16	8	5	5
9	Physical Handicapped	1	3	2	9	4
10	OPEN	50	156	155	161	179
11	All India Seats	15	72	0	62	51
12	Institutional Quota Seats	20	96	96	91	103
13	Tuition Fee Waiver Scheme (TFWS)	+ 0.5	+ 24	23	22	21
14	PIO Quota seats	+ 15	+ 72	0	14	0
15	Seats allotted against vacant seat	0	0	12	0	0
	Grand Total		**504**	**498**	**508**	**501**

+ Additional seats over and above intake capacity

M. Tech. Programs

Sr. No.	Category	Quota in %	No. of Students in the category	Students Admitted		
				2013-14	2014-15	2015-16
1	Scheduled Caste (SC)	13	22	16	13	11
2	Scheduled Tribe (ST)	7	12	0	0	4
3	Vimukta Jati (VJ)/De Notified Tribes(DT) (NT-A)	3	5	0	1	1
4	Nomadic Tribes 1 (NT-B)	2.5	4	1	5	3
5	Nomadic Tribes 2 (NT-C)	3.5	6	2	8	3
6	Nomadic Tribes 3 (NT-D)	2	3	0	2	1
7	Other Backward Class (OBC)	13	22	32	38	17
8	Defense Service Personnel	5	8	0	0	0
9	Physical Handicapped	1	2	0	0	1
10	OPEN	50	84	84	75	104
11	Institutional Quota Seats	20	42	40	43	45
12	Seats allotted against vacant seat	-	0	4	5	18
	Grand Total		**210**	**179**	**190**	**208**

MBA Program

Sr. No.	Category	Quota in %	No. of Students in the category	Students Admitted		
				2013-14	2014-15	2015-16
1	Scheduled Caste (SC)	13	12	2	6	15
2	Scheduled Tribe (ST)	7	7	0	0	0
3	Vimukta Jati (VJ)/De Notified Tribes(DT) (NT-A)	3	3	0	0	01
4	Nomadic Tribes 1 (NT-B)	2.5	2	0	1	02
5	Nomadic Tribes 2 (NT-C)	3.5	4	1	1	0
6	Nomadic Tribes 3 (NT-D)	2	2	0	0	0
7	Other Backward Class (OBC)	13	12	3	11	14
8	Defense Service Personnel	5	5	0	0	0

Sr. No.	Category	Quota in %	No. of Students in the category	Students Admitted		
				2013-14	2014-15	2015-16
9	Physical Handicapped	1	1	0	0	0
10	OPEN	50	48	32	36	49
11	Institutional Quota Seats	20	24	11	12	23
12	Seats allotted against vacant seat	-	-	67	33	07
13	PIO Quota seats	+ 15	+ 18	0	4	0
	Grand Total		120	116	104	111

+ Additional seats over and above intake capacity

Diploma Programs

Sr. No.	Category	Quota in %	No. of Students in the category	Students Admitted		
				2013-14	2014-15	2015-16
1	Scheduled Caste (SC)	13	25	0	0	04
2	Scheduled Tribe (ST)	7	13	0	0	01
3	Vimukta Jati (VJ)/De Notified Tribes(DT) (NT-A)	3	6	0	0	03
4	Nomadic Tribes 1 (NT-B)	2.5	5	0	0	02
5	Nomadic Tribes 2 (NT-C)	3.5	7	0	01	07
6	Nomadic Tribes 3 (NT-D)	2	4	0	0	0
7	Other Backward Class (OBC)	13	25	0	05	21
8	Defense Service Personnel	5	9	0	0	0
9	Physical Handicapped	1	2	0	0	0
10	OPEN	50	96	0	31	82
11	Institutional Quota Seats	20	48	0	09	12
	Grand Total		240	0	46	132

- ## Distribution of Total B.Tech. Program : Girls Students
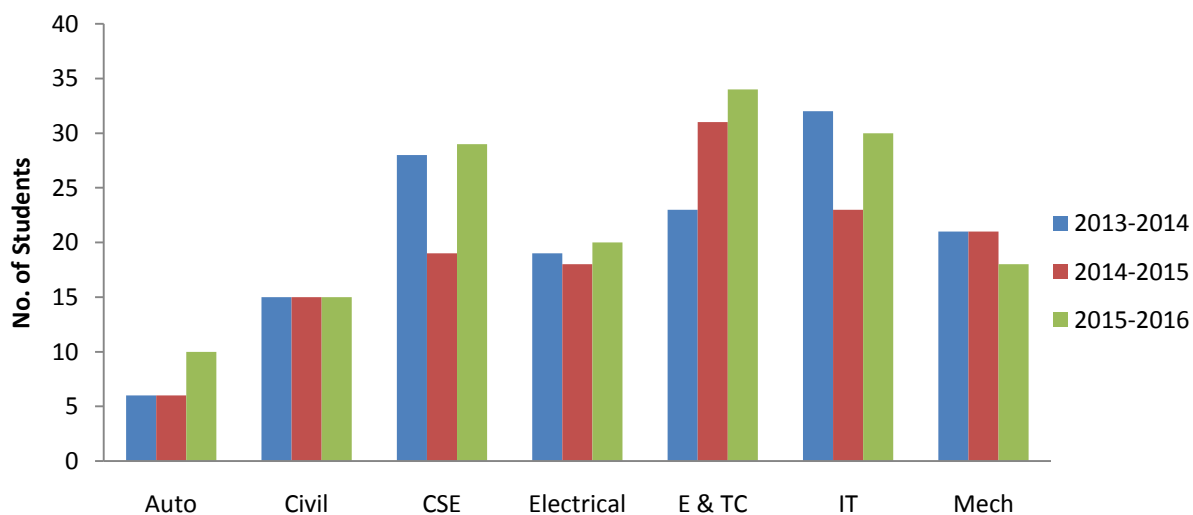
Sr. No.	Program	Sanctioned Intake	Girl Students admitted to First Year		
			2013-2014	2014-2015	2015-2016
1	Automobile Engineering	60	06	06	10
2	Civil Engineering	60	15	15	15
3	Computer Science &Engg.	60	28	19	29
4	Electrical Engineering	60	19	18	20
5	Electronics & Tele Communication Engg.	60	23	31	34
6	Information Technology	60	32	23	30
7	Mechanical Engineering	120	21	21	18
	Total	**480**	**144**	**133**	**156**

M. Tech. Programs
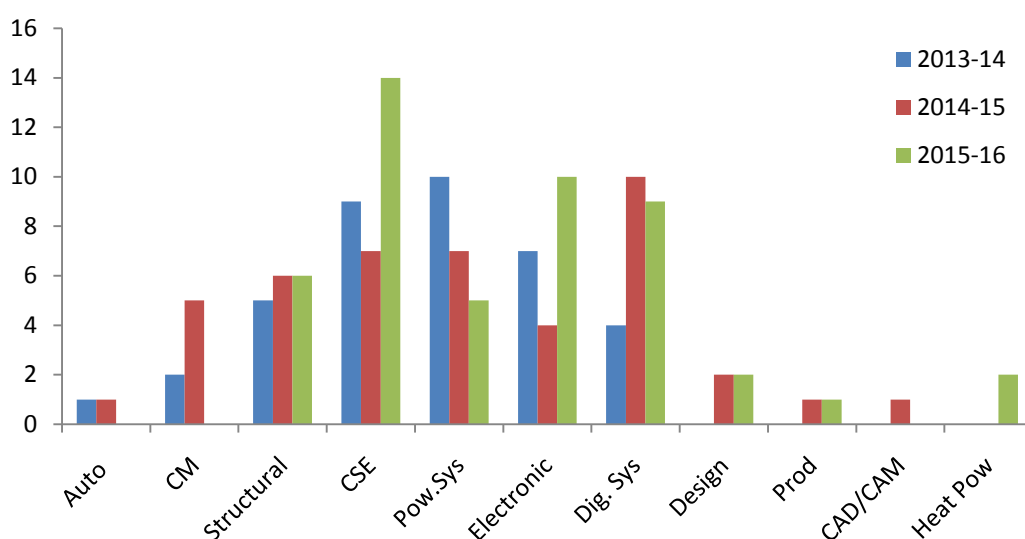
Sr. No.	Program	Sanctioned Intake	Girl Students admitted to First Year		
			2013-2014	2014-2015	2015-2016
1	Automobile Engineering	18	1	1	0
2	Civil - Construction Management	18	2	5	0
3	Civil - Structural Engineering	24	5	6	6
4	Computer Science & Engineering	18	9	7	14
5	Electrical - Power Systems	18	10	7	5
6	Electronics Engineering	18	7	4	10
7	Electronics - Digital System	18	4	10	9
8	Mechanical - Design	24	0	2	2
9	Mechanical - Production	18	0	1	1
10	CAD/CAM /CAE	18	0	1	0
11	Mechanical- Heat Power Engg.	18	0	0	2
	Total	**210**	**38**	**44**	**49**

MBA Programs

Sr. No.	Program	Sanctioned Intake	Girl Students admitted to First Year		
			2013-2014	2014-2015	2015-2016
1	MBA	120	65	40	60

Diploma Programs (Second Shift)

Sr. No.	Program	Intake capacity	2014-2015	2015-2016
1	Civil Engineering	60	5	17
2	Mechanical Engineering	60	0	10
3	Electrical Engineering	60	0	12
4	Automobile Engineering	60	0	0
	Diploma Total	**240**	**5**	**39**

• Region wise Students Distribution (B. Tech. program)

Sr. No	Name of District	No. of Students		
		2013-2014	2014-2015	2015-2016
1	Sangli	187	175	207
2	Satara	110	135	97
3	Kolhapur	62	43	59
4	Solapur	41	39	41
5	Beed	10	11	10
6	Chandrapur	09	09	1
7	Thane	08	0	5
8	Nanded	07	04	14
9	Osmanabad	07	12	5
10	Nagpur	06	03	2
11	Bhandara	05	04	4
12	Mumbai	05	03	1
13	Pune	05	13	6
14	Jalgaon	04	06	3
15	Ratnagiri	04	04	7
16	Parbhani	02	05	5
17	Yavatmal	02	06	3
18	Latur	00	09	8
19	Buldhana	02	05	1
20	Others	19	14	22
	Total	**495**	**500**	**501**

Region wise Students Distribution (Diploma program)

Sr. No	Name of District	No. of Students		
		2013-2014	2014-2015	2015-2016
1	Kolhapur	0	05	01
2	Osmanabad	0	01	0
3	Sangli	0	24	112
4	Satara	0	07	16
5	Solapur	0	03	0
6	Mumbai	0	0	01
7	Ratnagiri	0	04	01
8	Sindhudurg	0	02	01
	Total	**0**	**46**	**132**

• Total No. of Students Enrolled

B.Tech. Program

Sr. No.	Program	2014-2015					2015-2016				
		FY	SY	TY	B. Tech.	Total	FY	SY	TY	B. Tech.	Total
1	Automobile Engineering	62	75	85	96	**318**	63	76	61	83	**283**
2	Civil Engineering	69	76	78	99	**322**	63	82	76	77	**298**
3	Computer Science & Engg.	64	76	81	82	**303**	63	75	73	84	**295**
4	Electrical Engineering	65	76	79	91	**311**	63	76	71	80	**290**
5	Electronics & Tele Comm.	65	76	70	84	**295**	63	75	78	74	**290**
6	Information Technology	61	74	75	89	**299**	65	77	75	72	**289**
7	Mechanical Engineering	125	149	159	168	**601**	125	150	147	158	**580**
	UG Total	**511**	**602**	**627**	**709**	**2,449**	**505**	**611**	**581**	**628**	**2,325**

M.Tech. Program

Sr. No.	Program	2014-2015			2015-2016		
		FY	SY	Total	FY	SY	Total
1	Automobile Engineering	18	17	**35**	17	18	**35**
2	Civil - Construction Management	18	18	**36**	18	17	**35**
3	Civil - Structural Engineering	25	17	**42**	24	24	**48**
4	Computer Science & Engineering	18	18	**36**	18	17	**35**
5	Power Systems	18	19	**37**	18	17	**35**
6	Electronics Engineering	18	18	**36**	18	18	**36**
7	Digital System	18	17	**35**	18	18	**36**
8	Mechanical - Design	24	18	**42**	24	24	**48**
9	Mechanical - Production	18	18	**36**	18	18	**36**
10	CAD/CAM /CAE	18	17	**35**	18	18	**36**
11	Mechanical- Heat Power Engg.	0	0	**0**	18	0	**18**
	Total	193	177	**370**	209	189	**398**

MBA Program

Sr. No.	Program	2014-2015			2015-2016		
		FY	SY	Total	FY	SY	Total
1	MBA	109	104	**213**	118	93	**211**

Diploma Programs (Second Shift)

Sr. No.	Program	2014-2015				2015-2016			
		FY	SY	TY	Total	FY	SY	TY	Total
1	Civil Engineering	14	0	0	14	39	67	0	106
2	Mechanical Engineering	32	0	0	32	50	73	0	123
3	Electrical Engineering	0	0	0	0	32	0	0	32
4	Automobile Engineering	0	0	0	0	11	0	0	11
	Diploma Total	**46**	0	0	**46**	132	140	0	**272**

First Year Orientation Program

The Rajarambapu institute of technology organizes a one day orientation/welcome programme for all F.Y.B.Tech students after their admission on 27th July, 2015 at Rajarambapu Patil Natyagrah, Islampur. The Shri. Bhagatsinh Patil, Chairman BoG, Shri. R. D. Sawant, Secretary K. E. Society, Dr. Mrs. S. S. Kulkarni, Director, Dr. M. T. Telsang Dean Academic, Dr. S. M. Sawant Dean Student Development and Prof. D. G. Thombare Head Science & Humanities addresses the gathering of F.Y. B.Tech students and their parents by welcoming and giving brief details of about the institute.

After the address, the students admitted to a program assemble in the class room of the department where they are addressed by the class monitors to inform about the departmental facilities and introduce department faculty members. The students are then taken for round visit the parent department and departmental laboratories. Also the students in groups are taken to various central facilities like central library, first year's department, workshop, digital library etc. by the class monitors.

Orientation program for First year B.Tech students – Honorable on dais

Mr. Bhagatsinh Patil, Chairman BoG addressing to First year B.Tech students, parents and faculty

STUDENTS PERFORMANCE

The theory examinations namely Mid Semester Examination (MSE) and End Semester Examination (ESE) were successfully conducted for all the UG and PG programs during the Academic Year 2015-16 as per the academic calendar. During this Academic Year an Online Multiple Choice Questions (MCQ) exam was conducted using the software procured from MKCL, Pune. The online MCQ will help students to prepare for GATE/other competitive examinations.

At undergraduate level, 20 percentage weightage is given to Multiple Choice Questions (MCQs) in End Semester Examination right from first year to orient the students for preparing students for GATE and other competitive examinations. Question papers are mapped with Course Outcomes (COs) which intern results in attainment of Program Outcomes (POs). Blooms Taxonomy is being used to raise the quality level of question papers. The evaluation system is 100 percent transparent and students get an opportunity to see their assessed answer sheet before the announcement of grades.

The program wise results of all the examinations for whole Academic Year 2015-16 (after re-exams) indicating performance (clear passing percentage and also passing percentage with ATKT) of under graduates (UG) students of all classes is presented in Table.

- **Result of Final Year B.Tech: All Programs**

Sr. No.	Branch	Students Appeared	Ist Class Dist.	Ist Class	IInd Class	Pass Class	Total passed students	% of Result
1	Automobile	84	12	32	25	02	71	84.52
2	Civil	79	29	33	14	01	77	97.46
3	Comp. Sci.& Engg	85	20	46	15	01	82	96.47
4	Electronics & Tele Comm.	73	29	28	11	02	70	95.89
5	Electrical	83	27	29	18	05	79	95.18
6	Info. Tech.	72	22	25	21	02	70	97.22
7	Mechanical	160	65	63	20	02	150	93.75
	TOTAL	**636**	**204**	**256**	**124**	**15**	**599**	**94.18**

Representation of Final year B.Tech Students Performance
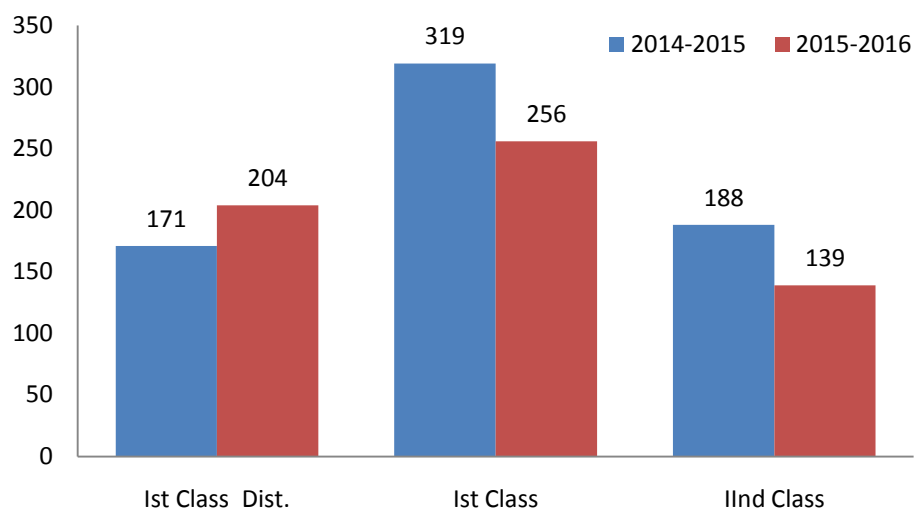
Top Performers of B. Tech

Sr. No.	Branch	Name of the Topper Student	CPI	Percentage
1	Automobile	Rege Shweta Sudhir	8.66	81.60
2	Civil	Hindocha Ravi Vinod	8.79	82.90
3	Comp. Sci. & Engg.	Chougale Prem Arun	8.26	77.60
4	Electrical	Kulkarni Onkar Ramesh	9.22	87.20
5	Ele. & Tele Comm.	Tambe Gayatri Hanamant	8.94	84.40
6	Info. Tech.	Bhosale Vijay Pralhad	8.32	78.20
7	Mechanical	Satam Apurva Rajendra	8.91	84.10

- **Result of M.Tech.**

Sr. No.	Branch	Appeared Students	Ist Class Dist.	Ist Class	IInd Class	Total passed students	% of Result
1	Automobile	17	07	10	-	17	100.00
2	Civil – Structural	24	11	13	-	24	100.00
3	Civil – Cons. Mgmt.	15	04	10	01	15	100.00
4	Comp. Sci. & Engg.	17	05	11	01	17	100.00
5	Electronics	18	03	13	01	17	94.44
6	Electronic-Digital Sys.	18	07	11	-	18	100.00
7	Electrical-Power Sys.	16	05	09	02	16	100.00
8	Mech - Design Engg.	24	20	04	-	24	100.00
9	Mech - Production	18	11	07	-	18	100.00
10	CAD/CAM/CAE	18	13	05	-	18	100.00
	Total	**185**	**86**	**93**	**05**	**184**	**99.44**

List of Top Performers

Sr. No.	Branch	Name of the Topper Student	CPI	Percentage
	M. Tech.			
1	Automobile	Sadekar Umesh Audumbar	8.55	80.50
2	Civil-Structural	Ambekar Omkar Dilip	8.43	79.30
3	Civil-Cons. Mgmt.	Sutar Rutuja Prakash	8.78	82.80

Sr. No.	Branch	Name of the Topper Student	CPI	Percentage
4	Comp. Sci. & Engg.	Momin Akib Bashirahamad	8.71	82.10
5	Electrical-Power Sys.	Shinde Rahul Sadashiv	8.40	79.00
6	Electronics	Kulkarni Rushikesh Pradip	8.70	82.00
7	Electronics-Digital Sys	Bhabat Pavan Arun	8.58	80.80
8	Mech.-Design	Kadam Kiran Ashok	9.10	86.00
9	Mech.-Production	Patil Rajvardhan Diliprao	8.95	84.50
10	CAD/CAM/CAE	Chavan Pratap Machindranath	8.90	84.00

- **Result of MBA**

Sr. No.	Branch	Appeared Students	Ist Class Dist.	Ist Class	IInd Class	Total passed students	% of Result
1	MBA	93	12	35	30	77	**82.79**

Top Performers - MBA

Sr. No.	Branch	Name of the Topper Student	CPI	Percentage
1	MBA	Patil Poonam Dattatraya	9.34	88.40

RIT Global Education & Exposure Cell

Institute promotes the students for Higher Education. The Institute has taken up major steps to prepare students to face the *Global Challenges* by pursuing Higher Education at well developed foreign Universities. To fulfill the objective mentioned above institute has started the *in Campus trainings or classes* like GRE/TOEFL, German Language and Japanese Language for the academic year 2015-16.

1. GRE/TOEFL Training:

The GRE (Graduate Record Exam) exam is one of the different standardized tests which must be taken and passed in order to become eligible for a certain job or learning institute across the US.

GRE is a basic and general test and is, therefore, not going to test the student for any specialized skill or specific subject. The skills that are going to be tested through this exam are verbal reasoning, quantitative reasoning, critical thinking and analytical writing. These are skills that students have developed over the course of years going through high school and college.

2. **TOEFL (Test of English as a Foreign Language):**

TOFEL test scores help students stand out because of the TOEFL test's reputation for quality, fairness and 100% academic content. It is the most widely accepted English-language test in the world, including more than 9,000 colleges, universities, agencies and other institutions in 130 countries. And that list includes the top 100 universities in the world. By sending TOEFL scores to selected university, students will be proving that they are ready for academic success.

3. German Language Training:

Germans are world in the field of Engineering & Technology - Mercedes Benz, BMW, Audi, Porsche, Volkswagen, Siemens, Bosch, SAP are few of the examples of German Technology. German education system is one of the oldest and best education systems in the world. German engineering is a brand by itself. Degree programs made in Germany are recognized worldwide. Germany is the economic powerhouse of the European Union. Many of the international degree programs are taught in English as medium of instruction for international students.

4. Japanese Language Training collaboration with TCS:

All students participating in the Japanese language training program offers four levels of instruction: elementary, lower intermediate, intermediate, and advanced. Each level is designed to help students improve their proficiency through combination of in-class instruction and outside activities. The language program as a whole aims to produce students who can communicate effectively in a variety of socio-cultural contexts both in spoken and written Japanese.
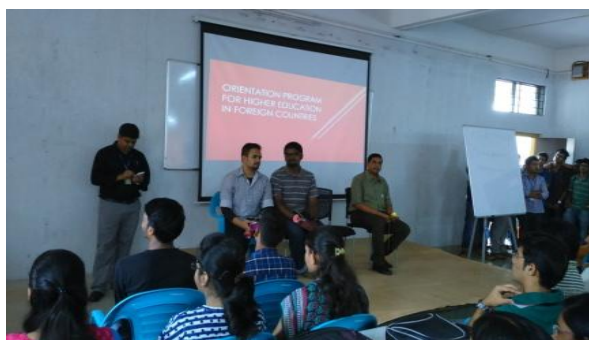
Mr. Sourabh Kulkarni (Achievements GRE Score-322, TOEFL Score-111). RIT Alumni Got Admission at University of Massachusetts Amherst, America. & Mr. Suyash Kulkarni (Achievements GRE Score-318, TOEFL Score-114). RIT Alumni. Got Admission at University of Cincinnati, America at Orientation Program on "Higher Education in Foreign"

Mrs. Pallavi Desai, a renowned GRE trainer from Kolhapur at Orientation Program on "Higher Education in Foreign"

Mr. Abhay Kelkar Shri Mahalaxmi Academy, Kolhapur at institute for Seminar on Higher Education @ foreign Universities

Managing Director Rao Advisors LLC, Bedford, TX, US at institute for Seminar on Higher Education @ foreign Universities

Kristina Stefan, ISL Language centre Koblenz, Germany at institute for Seminar on Free/Affordable education @ Germany

←

Students Performance in GATE / CAT and other competitive examination

Year	GATE	GRE	TOEFL	CAT	CMAT	MPSC	Total
2015-2016	46	4	1	2	5	0	58
2014-2015	33	4	2	3	7	11	60
2013-14	24	-	-	-	-	04	28

The department wise student's performance of Competitive examinations is as –

Sr. No.	Department	GATE	GRE	TOFEL	CAT	CMAT	MPSC	Total
1	Automobile Engineering	02	0	0	0	0	0	**02**
2	Civil Engineering	07	0	0	0	0	0	**07**
3	Computer Science & Engg.	07	01	0	01	03	0	**12**
4	Electronics & Tele Comm.	06	01	0	01	0	0	**08**
5	Electrical Engineering	07	0	01	0	0	0	**08**
6	Info. Tech.	0	0	0	0	02	0	**02**
7	Mechanical Engineering	17	02	0	0	0	0	**19**
	Total	**46**	**04**	**01**	**02**	**05**	**0**	**58**

RESEARCH AND INNOVATION

Our institute is emerged as one of the best self financing institute in academics across Maharashtra. To strengthen the research culture, RIT makes provision of separate budget for research and development activities every year. For previous two years this budget was Rs. 25.5 Lakhs per year. This budget is utilized to support best projects undertaken by students and faculties. Strategic policies are devised to motivate students and faculty to develop innovative ideas. The R&D cell of RIT provides the essential support to convert innovative ideas into working prototypes. The R&D activities at RIT mainly focus on following aspects.

1. Increasing involvement of UG and PG students in developing innovative ideas and converting them into working prototypes.
2. Enhancing industry institute interaction for getting consultancy opportunities.
3. Increasing publications in referred journal.
4. Filing patents on innovative ideas.
5. Commercialization of patented ideas.

Hon. Jayant Patil, Former Rural Development Minister inspiring the students

To achieve R&D objectives, several initiatives have been taken such as
1. Idea competition and idea register
2. Incentives and awards for R&D activities
3. Best Researcher Award for faculties. Two faculties from every department will be selected for award based on their R&D contributions.
4. In house Seed funding support to faculty and students.
1. The summary of present status regarding research activities with statistics of research publications, Patents and some initiatives taken up to enhance the research activities in the college are presented.

Summary of papers published during 2014-15 & 2015-16

Year	Int. Journals		National Journals	Int. Conference	National Conference	Total
	H-index	Without H-index				
2015-16	14	51	4	121	134	324
2014-15	12	85	5	76	101	279

Patents filed during the academic year 2015-2016

Sr. No.	Title	Registration No.	Inventor/s
1	A Concentrated Solar PV Thermal Energy System	1459/MUM/2015	Prof. Supriya Sawant
2	Weed removal system and method	1453/MUM/2015	Dr. A. B. Kakade
3	System and method for detection of Adulterated milk	1455/MUM/2015	Dr. A. B. Kakade
4	A cutter assembly for a crop harvester	3596/MUM/2015	Prof.P.P.Deshpande Ms. DS Salunkhe Ms. SS Salunkhe
5	A bundling system and method	3597/MUM/2015	Prof.P.P.Deshpande Ms. D.S. Salunkhe Ms. S.S. Salunkhe
6	A conveyor system	3598/MUM/2015	Prof.P.P.Deshpande Ms. DS Salunkhe Ms. SS Salunkhe
7	Scraping Apparatus	3599/MUM/2015	Prof.P.P.Deshpande Ms. D.S. Salunkhe Ms. S.S. Salunkhe
8	Trimming mechanism	3725/MUM/2015	Prof.P.P.Deshpande Ms. D.S. Salunkhe Ms. S.S. Salunkhe
9	Material Handling System	4056/MUM/2015	Prof.P.P.Deshpande Ms. D.S. Salunkhe Ms. S.S. Salunkhe

Center for Innovation, Incubation and Entrepreneurship Development (CIIED)

Sowing the CIIEDs for the better Future
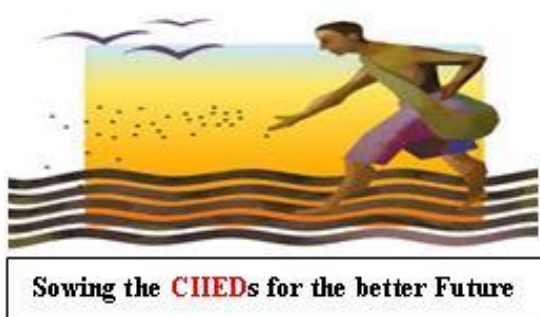
In last few years India has seen phenomenal economic rise and also proven its dominance in the technology related fields on the Global scale. In order to sustain this growth in an ever changing, ever challenging global business environment, the speedy translation of innovative ideas into product processes and series for the market is the need of the hour.

In response to this, RIT has initiated setting up "Centre for Innovation, Incubation and Entrepreneurship Development" (CIIED) at a most propitious moment when Innovation, Incubation and Entrepreneurship are playing a vital role in shaping national economies.

CIIED provides as ecosystem for early stage techno-startups, which contribute to Social and Strategic sectors besides being responsible for generating employments and economic value. This mechanism will help our students, faculty and nearby community to turn their entrepreneurial vision into reality through an incubation experience.

Dr. M. S. Patil with research project

CIIED fosters innovation driven entrepreneurship through incubation by utilizing RIT's existing physical infrastructure and expertise for training, idea generation, prototype development, preparing business plan and model helping disruptive innovations (Winnovations) and aspiring entrepreneurs succeed commercially. We believe that entrepreneurship is the key that unlock India's latent inventive potential. It will not only push India to the forefront of the world but also help raise the quality of life in the country.

CIIED's true strength lies in its ability to accelerate the development of young entrepreneurial companies from the idea stage to independent self-sustaining successful business. This centre should be able to guide, mentor and grow the promising start ups as possible. In the incubator operations, speed is vital and networking support is critical.

With this belief the CIIED - Entrepreneurship Cell, targets to help in the development of RIT's entrepreneurial ecosystem by enabling easy and efficient interaction between its major components spanning students, working professionals, aspiring and existing entrepreneurs, mentors, angel investors, venture capital firms and corporate through initiatives like interactive sessions, competitions, conferences.

Dr. A.B. Kakade with research project

Objectives: CIIED should be able to,
1. Work on R&D for Industry mainly for local small and medium enterprises.
2. Address local problems & find innovative and viable solutions.
3. Promote culture of IPR, Technology Transfer & Commercialization.
4. Nurture and promote creative ideas for its conversion into successful products & Technologies.
5. Interfacing and networking between Academic, R&D institutions, Industries and Financial Institutions.
6. Create new techno-start ups.

FACULTY PERFORMANCE AND DEVELOPMENT

- **Faculty Position**

Sr. No.	Department	2014-2015				2015-2016			
		Prof.	Asso. Prof.	Asst. Prof.	Total Faculty	Prof.	Asso. Prof.	Asst. Prof.	Total Faculty
1	Director	01	00	00	01	01	00	00	01
2	Automobile	01	02	17	20	01	02	17	20
3	Civil	03	03	13	19	03	03	16	22
4	Computer Sci. & Engineering	00	01	16	17	00	02	14	16
5	Info. Tech.	00	01	11	12	00	00	15	15
6	Electrical	00	01	15	16	00	01	16	17
7	Electronics & Tele Comm.	02	04	14	20	01	04	14	19
8	Mechanical	04	07	27	38	04	07	26	37
9	Science & Huma.	01	03	08	12	00	01	15	16
10	M.B.A.	01	03	13	17	00	03	13	16
11	Diploma	00	00	09	09	00	00	20	20
	Grand Total	**13**	**25**	**143**	**181**	**10**	**23**	**166**	**199**

Faculty : Cadre wise Distribution

Prof. 10
Asso. Prof. 23
Asst. Prof. 166
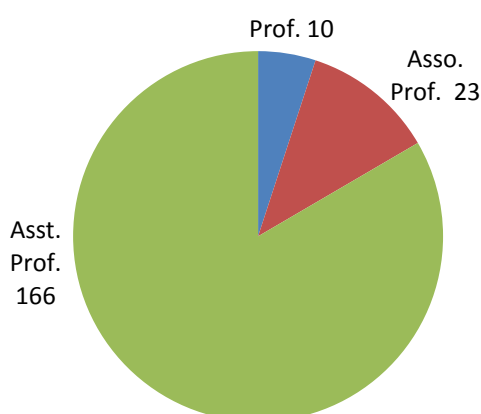
Ph.D. Faculty (fig. in Nos.)

2015-16 - 29
2014-15 - 26
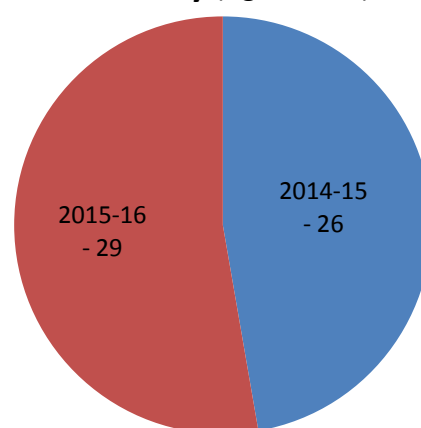
Dr. V. V. Karjini, Principal, KIT meeting with Deans, CoE

Non-Teaching Staff

Sr. No	Particular	Total No.
1	Administrative Staff	42
2	Technical Supporting Staff	58
3	Library Staff	11
4	Attendant, Peon & Other Staff	62
	Total	**173**

Representation of Male to Female Faculty:
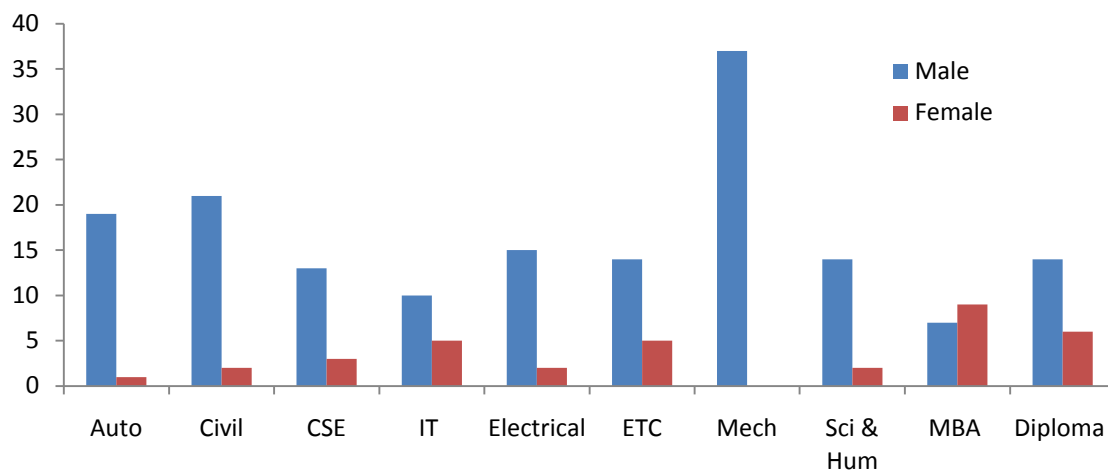
Sr. No.	Department	Male	Female	Total
1	Director	00	01	01
2	Automobile Engineering	19	01	20
3	Civil Engineering	21	01	22
4	Computer Science & Engineering	13	03	16
5	Information Technology	10	05	15
6	Electrical Engineering	15	02	17
7	Electronics & Tele Comm. Engg.	14	05	19
8	Mechanical Engineering	37	00	37
9	Science & Humanities	14	02	16
10	M.B.A.	07	09	16
11	Diploma (Second Shift)	14	06	20
	Grand Total	**164**	**35**	**199**

- **Faculty with Ph. D Qualification**

Sr. No.	Department	Name of faculty	Title of Research Project	Year of Completion
1	Civil Engineering	Dr. Mrs. S. S. Kulkarni	A Critical Study of Total Quality Management in Engineering Industries	2003
2	Civil Engineering	Dr. P. S. Patil	Earthquake engineering and Cable Stayed bridges	2009
3	Civil Engineering	Dr. A. C. Attar	Value Engineering Applied to Construction of Multistoried Buildings.	2011
4	Civil Engineering	Dr. P. D. Kumbhar	Mix Proportioning of High performance Concrete for Indian Environment	2012

Sr. No.	Department	Name of faculty	Title of Research Project	Year of Completion
5	Civil Engineering	Dr. H. S. Jadhav	Study of Behavior of Reinforced Concrete Beams Strengthened and Retrofitted with Fiber Reinforced Polymers (FRP)	2012
6	Civil Engineering	Dr. R. B. Golekar	Catchment Hydro geomorphological Studies of Anjani and Jhiri River Basin, Jalgaon, Dist: Maharashtra	2014
7	Mechanical Engineering	Dr. M. T. Telsang	Critical Evaluation of Just-In-Time (JIT) Manufacturing Performance in Selected Indian Industries.	2014
8	Mechanical Engineering	Dr. S. M. Sawant	Parametric Studies and Correlations for Conjugate Mixed Convection with Surface Radiation from Uniformly and Discretely Heated Vertical Plates	2009
9	Mechanical Engineering	Dr. S. S. Gawade	Some Theoretical and Experimental Studies on ER Dampers in Semi-active Suspension Systems for Road Vehicles	2012
10	Mechanical Engineering	Dr. S. D. Patil	Theoretical Studies on Metal Hydride Based Systems for Hydrogen Storage and Water Pumping.	2014
11	Mechanical Engineering	Dr. S. K. Patil	Study of Knowledge Management Adoption in Supply Chain and Fuzzy MCDM Approaches.	2015
12	Automobile Engineering	Dr. S. D. Yadav	Performance Analysis of Four Stroke Petrol Engine by using Up graded Bio gas.	2013
13	Automobile Engineering	Dr. A. P. Shah	Conjugate Mixed Convection With Surface Radiation From A Vertical Channel With Multiple Non-Identical Flush-Mounted Discrete Heat Sources In The Left Wall.	2015
14	Electrical Engineering	Dr. H. T. Jadhav	Probabilistic Approach to Economic Dispatch of Power Plants and Optimal Power Flow of Power Systems Incorporating Wind Power and V2G Source.	2016
15	Electronics Engineering	Dr. S. A. Pardeshi	Automatic Face recognition using multi-channel filtering approach	2010
16	Electronics Engineering	Dr. A. B. Kakade	Modal Analysis and Mode Excitation of Multilayer Hemispherical Dielectric Resonator Antennas using an Efficient Computation Technique	2010
17	Electronics Engineering	Dr. M. S. Patil	Power Factor Correction in Single Phase AC-Converters with Lower Harmonics and wide line Voltage Range	2014
18	Electronics Engineering	Dr. Mrs. J. S. Awati	Application of Wireless Sensor Networks for Agricultural Parameter Control	2014
19	Computer Sci. & Engg.	Dr. N. V. Dharwadkar	A Study on Digital Image Steganography and Water Marking Schemes	2014
20	Chemistry	Dr. B. P. Nikam	Studies in Synthesis in some Oxazines and Flavones	1998
21	Physics	Dr. Miss. S. N. Pusawale	Studies on Super Capacitor based on Tin Oxide and Ruthenium Oxide Composite Thin Films	2011
22	English	Dr. Mrs. D. M. Kadam	Suniti Namjoshi's Fiction: A Thematic Study	2013

Sr. No.	Department	Name of faculty	Title of Research Project	Year of Completion
23	Management Studies	Dr. N. R. Bohra	Comparative multifactor analysis of product & service attributes across selected restaurants & coffee chains	2009
24	Management Studies	Dr. Binod K. Sinha	Investments in Retail Sector in India Critical Analysis	2011
25	Management Studies	Dr. Mrs. S. S. Desai	A Comparative Study of Marketing Strategy of Large Retail Houses and Small Retailers in Kolhapur City	2008
26	Management Studies	Dr. Mrs. M. V. Jagtap	A Critical Study of Financial Management of Rajarambapu Patil Group of Co Operatives	2008
27	Management Studies	Dr. Mrs. H. V. Gaikwad	An Analytical Study of Human Resource Management of Women Conductors in Maharashtra State Transport	2011
28	Management Studies	Dr. Mrs. V. S. Kadam	A Study of Attrition. Retrenchment & Lay-off in selected software companies in Pune-causes & Effects	2009
29	Management Studies	Dr. Mrs. P. A. Jagtap	A Study of Urban cooperative banks in economic development with reference to Sangli district 2000-01 to 2010-11	2011

- **Faculty Enrolled for Ph. D**

Sr. No.	Department	Name of faculty	Title of Research Project	University/ Institute
1	Automobile Engineering	Mr. D. G. Thombare	Investigation of biomass Sterling Engine	Shivaji University
2	Automobile Engineering	Mr. S. R. Desai	Experimental investigation of fluid vibrations in shell and tube heat exchangers subjected to two phase cross flow of R134a for different tube and end conditions	Pune University
3	Automobile Engineering	Mr. L. M. Jugulkar	Analysis of suspension with variable stiffness and variable damping force for automotive applications	SLIS, Punjab
4	Automobile Engineering	Mr. S. R. Patil	Investigation into Magneto rheological Brakes for automotive applications	Shivaji University
5	Automobile Engineering	Mr. S. R. Kumbhar	Theoretical and experimental investigation of controlling structure -borne noise and vibrations in automobiles using Magneto rheological Elastomers	IGNOU, Delhi
6	Automobile Engineering	Mrs. S. Y. Sawant	Improvisation in solar energy gain with combination of concentric photo voltaic & perforated plate type thermal collector	VTU, Belgaum
7	Automobile Engineering	Mr. R. M. Shinde	Development & experimental investigation of automotive drive shaft using epoxy composite material	Shivaji University
8	Civil Engineering	Mr. D.S. Patil	Building maintenance &repairs database for life cycle cost analysis	BVDU, Pune
9	Civil Engineering	Mr. Y.M. Patil	Performance evaluation of low-cost grey water treatment system	Shivaji University

Sr. No.	Department	Name of faculty	Title of Research Project	University/ Institute
10	Civil Engineering	Mr. S.S. Kumbhar	Nutrient movement &management in warana river basin to warana river	IIT, Mumbai
11	Civil Engineering	Mr. D.B. Kulkarni	An Experimental study on durability properties of high performance concrete using artificial sand	Shivaji University
12	Civil Engineering	Mr. P.B. Salgar	Experimental Investigation on ultimate behavior of light weight high strength concrete filled still tube column	Shivaji University
13	Computer Sci. & Engineering	Mr. S. A. Thorat	Trust Management Technique for Improvement in MANET Routing Protocols	Shivaji University
14	Computer Sci. & Engineering	Mr A.C. Adamuthe	Forecasting Cloud Computing	Mumbai University
15	Computer Sci. & Engineering	Mr. Sachin S. Patil	Development of Enhanced Techniques for Handling Imbalanced Big Data Streams	WCE, Sangli
16	Electrical Engineering	Mr. A. R. Thorat	Application of Modified Artificial bee Colony Algorithm for optimization of fuel cost and reactive power of power systems incorporating non-conventional energy sources.	VTU, Belgaum
17	Electronics & Tele Comm.	Mr. M. S. Kumbhar	Multi Sensor Data fusion using Fuzzy Kalman Approach	Shivaji University
18	Electronics & Tele Comm.	Mr. S.M. Magdum	Thermal Management in VLSI	In Process
19	Electronics & Tele Comm.	Mrs. S.S. Patil	Experimental Analysis of Chronic joint pain using soft computing techniques	Shivaji University
20	Electronics & Tele Comm.	Mr. S.S. Ingaleshwar	Watermarking Schemes for Medical Images	VTU, Belgaum
21	Electronics & Tele Comm.	Mrs. V.S. Patil	Power Optimization in Embedded System	Shivaji University
22	Information Technology	Ms. Anupama K. Ingale	Design and Analysis of Video Stegnography & Stegnoanalysis Schemes	VTU, Belgaum
23	Mechanical Engineering	Mr. D. S. Chavan	Investigation of heat transfer enhancement using Nano fluids	Shivaji University
24	Mechanical Engineering	Mr. M. B. Mandale	Statistical Energy Analysis	NIT, Warangal
25	Mechanical Engineering	Mr. N. K. Chhapkhane	Development of non-linear progressive failure analysis model for laminated composite panels under thermo mechanical loading	Shivaji University
26	Mechanical Engineering	Mr. S. N. Jalwadi	Implementation of virtual internal bond model for fracture prediction in quasi brittle material	IIT, Mumbai
27	Mechanical Engineering	Mr. S. V. Kadam	Experimental Investigations on flow characterisation of nanofluids for forced convective heat transfer	Shivaji University
28	Mechanical Engineering	Mr. M. V. Kavade	Phenomenological and parametric studies of EDM with special emphasis on powder mix die electric	Shivaji University
29	Mechanical Engineering	Mr. B. R. Jadhav	Experimental Investigation on powder mix die electric EDM of Al-Si Alloy by using Tungsten and Brass electrode	VTU, Belgaum
30	Mechanical Engineering	Mr. C. A. Waghmare	Study of effects of powder mixed in to die electric during machining on EDM	VTU, Belgaum

Sr. No.	Department	Name of faculty	Title of Research Project	University/ Institute
31	Mechanical Engineering	Mr. M. M. Mirza	Design and Optimization of two wheeled parts concerned to safety stability, efficiency and economy	Shivaji University, Kolhapur
32	Mechanical Engineering	Mr. Santosh R. Patil	Some theoretical and experimental studies on design development and response analysis of a large scale orifice type damper using high yield smart fluid for artillery gun recoil application	VTU, Belgaum
33	Mechanical Engineering	Mr. M. V. Pisal	Experimental investigation of low temperature drawing of Jiggery	Shivaji University
34	Mechanical Engineering	Mr. M. L. Deshpande	Hypothesis testing of the effect of supply chain management processes on competitive advantage and organizational performance in backdrop of Indian economy.	VTU, Belgaum
35	Mechanical Engineering	Mr. S. B. Kumbhar	Design, Development and Analysis of Magneto rheological Elastomer Shape Memory Alloy composite as a vibration absorber.	WCE, Sangli
36	Mechanical Engineering	Mr. A. M. Mulla	Evaluation Simulation and implementation of lean manufacturing in mfg industry.	VTU, Belgaum
37	Sciences and Humanities	Mrs. A. U. Gaikwad	A Study of water Management of Panchagannga River & its tributarus	Shivaji University
38	Sciences and Humanities	Churchill Pottetey Samuel Samson	Servant Leadership	Bharathiar University Tamilnadu
39	Sciences and Humanities	Mr. P. N. Pawar	Quest for in novels of Terry McMillan	Shivaji University
40	Sciences and Humanities	Mr. Sandip S. Patil	Effect of Pilates Exercise and Yoga Training on Musical Strength, Take off Velocity and Spiking Performance in Elite Volleyball Players	BVDU, Pune
41	Management Studies	Mr. K.S. Patil	Financial Management Of Cooperative Spinning Mills In Sangli District	Shivaji University
42	Management Studies	Mr. R. D. Padval	A Study of Performance Management Modules applied in Cooperative Banks in the Vicinity of Sangli District.	VTU, Belgaum
43	Management Studies	Mr. S. S. Karanjkar	A Study Of Materials Management In Selective Food Processing Industry In Western Maharashtra	Shivaji University
44	Management Studies	Mr. M. M. Bansode	Comparative Study Of Stress Management Practices: Private And Public Maternity Hospitals In Sangli District.	Shivaji University
45	Computer Sci. & Engineering	Mr. S. U. Mane	In Process	K. L. University
46	Computer Sci. & Engineering	Mr. S. R. Poojara	In Process	VTU, Belgaum
47	Electrical Engineering	Mrs. Y. N. Bhosale	In Process	VTU, Belgaum
48	Electronics & Tele Comm.	Mr. S. R. Jagtap	In Process	JJTU, Rajasthan

Faculty Retention

experience	No. of Faculty
20 years and above	22
10 to 20 years	40
05 to 10 years	38
02 to 05 years	52
Less than 02 years	47
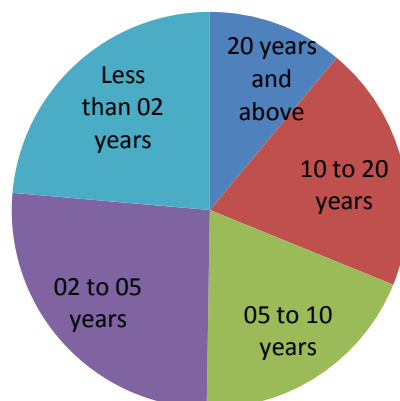
A Mark of Respect to Dr. A. P. J. Abdul Kalam

Dr. A. P. J. Abdul Kalam was the 11th President of India from 2002 to 2007. He worked initially as a scientist and science administrator, mainly at the Defense Research and Development Organization (DRDO) and Indian Space Research Organization (ISRO) and was intimately involved in India's civilian space program and military missile development efforts. He thus came to be known as the Missile Man of India for his work on the development of ballistic missile and launch vehicle technology. He also played a pivotal organizational, technical, and political role in India's Pokhran-II nuclear tests in 1998, the first since the original nuclear test by India in 1974.

He was a "People's President", he returned to his civilian life of education, writing and public service after a single term. He was a recipient of several prestigious awards, including the Bharat Ratna, India's highest civilian honor.

While delivering a lecture at the Indian Institute of Management Shillong, Kalam collapsed and died from an apparent cardiac arrest on 27 July 2015 at the age 83.

Condolence to Dr. A.P.J. Abdul Kalam by faculty Staff and Students

PROGRAMS ORGANIZED

Programs organized for faculty

E&TC department organized Two day Workshop on 'Antennas-Fundamentals, Design, Fabrication and Testing' dated on 28th & 29th August 2015

E&TC department organized One day workshop on 'Android Phone Hacking' under IETE Student chapter on 10th August 2015
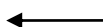
An "Industry Interaction Program" was arranged by IT Department. Mr. Shashikant B. Patil, Wipro Company, Banglore, on 28th May 2016 at RIT Campus

MBA Department has Organized Panel Discussion on "Entrepreneurship" on 20th April 2016

One day Workshop on "Electrical Safety " on the occasion of Vidyut Suraksha Saptah by Electrical Inspection Division, Miraj on 10th October, 2015

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Awareness program about "De addiction & Repercussions of Addiction" on Monday, date 08th February, 2016 →

One day workshop on "Curriculum development of Mechanical Engineering, Perspective 2015" conducted on 22nd April, 2016 ←

Mechanical Department has organized a Training program on "Retrofitted CNC Machine" for Teaching and Non-Teaching staff on 1st - 4th March, 2016. →

Industrial visit to Tata Motor, Pimpri, Pune to understand function of management on 19th April, 2016 ←

Consultancy Assignment at Deshbhakt Ratnappa Kumbhar Spinning Mill, Hatkanangale on 19th May, 2016 →

One Week FDP on Automotive Testing: Methodology & Instrumentation from 24th – 28th June, 2015. ←

One Day Workshop under TEQIP – II, Curriculum Development of Automobile Engineering: Perspective 2025 on 5th March 2016. Discussion with Dr. Prashant K. Banergy, DGM, TATA Motors Pune, Dr. Sudhir Gupte, Head, Automobile Engg. ADPIT, Ahmadabad, Dr. Amba Prasad Rao, NIT, Warangal.

Three days Workshop on Computational Fluid Dynamic under TEQIP from 9th – 11th March 2016.

Programs Organized for Students

Two Days SAE Western Region and University Level Technical Symposium KHYMERA'15 from 11th – 12th Sept. 2015

MY DREAM CAR Competition organized by SAE, RIT Collegiate club. On 15th September 2015

Workshop on "Cyber Law and Forensics" is conducted by Mr. Ronit Yadav and Mr. Touhid M. Shaikh (Cyber Crime Investigator and Certified Ethical Hacker) from Skynet Secure Solutions, Mumbai on 11th March, 2016.

Training Program by Mr. Rajesh Korae and Akhil J. Kumar IBM Inter, IBM BLUMIX, Bangalore on 28th January, 2016.

RIT SPEED organized two days workshop on IoT from 23rd-24th January 2016 under E-Yantra. Total students participants are 271.

RIT SPEED organized two days workshop on Drone Design from 23rd-24th January, 2016 under E-Yantra. Total Participants are 90 students

Civil Engineering Department has organized a National level Technical Symposium "Vaastu 2k15" on 2nd & 3rd October, 2015, around 500 students participated from various colleges

Professional Training & Certification Courses are organized for TY IT students on Redhat, Oracle Database, Java technologies by Unnati Computers, Aurangabad & Vincalabs Infotech Pvt Ltd., Pune from 1st July, 2015 to 31st May, 2016.

Parent Meet of Diploma wing organized at RIT Campus on 12th October 2015

Stock Mind Workshop conducted by Mr. Amit from ICICI Securities and ICICI Direct Centre for Financial Learning (ICFL), Mumbai on 27th October 2015

Mr. Azharudin Jamadar, Alumni 2014-15 batch conducted interaction session with MBA S.Y. Students. He has been selected for Landmark Group, Oman with Annual Package of Rs. 8.70 Lakhs (29th October 2015)

39 students of Finance specialization visited RBI Monetary Museum and NSE

- Miss. Pallavi Desai, Assistant Engg. MSETCL Kolhapur as a Guest in Electrical Engineering Department on 21st July, 2015
- Dr. D. B. Talange, College of Engg. Pune as a Guest in Electrical Engineering Department on 7th April, 2016.
- Dr. A.P Vaidya, WCE Sangli as a Guest in Electrical Engineering Department on 21st February, 2015.
- E&TC department organized Guest lecture of Mr. Dhairyashil Patil, Vidhati Pvt. Ltd. Kolhapur on 'Wireless Mobile Communication & AM/FM Radio Station' for Final Year B. Tech ETC and M. Tech Electronics & M. Tech Electronics (Digital System) on 15th September, 2015
- E&TC department organized Expert lecture of Dr. Bhushan Borotikar National Research Laboratory, France for M. Tech Students on 9th December, 2015 and 7th January, 2016
- Dr. R Gnanadass, Professor, Pondicherry Engineering College invited as Chief Guest for One Day workshop on Technical Challenges in Restructured Power Market and Smart Grid
- Dr. Priya Jadhav, IIT Bombay invited as Chief Guest for the Workshop on "Study to Examine Agriculture Consumption in Maharashtra"
- Mr. Abhijeet Shinde, Project Mananger, Bit Electronics system Baramati visited as Chief Guest for "PLC SCADA &HMI Training Workshop" on 20th March, 2016
- Civil Engineering Department has organized expert lecture for third year and final year B.Tech. students on "Career Guidance for Competitive Exams." by Mr. Abhaysinh Mohite, Manohar Bhole & Rajendra Kachare-Patil Dy. Collector, Govt. of Maharashtra on 12th October, 2015.
- Guest Lecture by Mr. Summede Gupte, Regional Manager, Business Standard, Pune on "21st Century Manager" on 27th October 2015.

TRAINING AND PLACEMENT

The purpose of the **Training and Placement** is to give the students right knowledge, skill and aptitude and meet the manpower requirements of the Industry. The Training and Placement Function at RIT is facilitated by Central Training and Placement Officer as head and the Departmental Training and Placement Officers as coordinators.

Training and Placement encompasses three main activities: Training, Education, and Development.

- **Training**: Keeping in view the current trends and technologies being used by the industries, the training curriculum is designed for preparing the students as entry level Graduate Engineer Trainees.
- **Education**: Appropriate skills for the job profile are acquired by the students during the classroom sessions on Aptitude and Conceptual training.
- **Development**: This activity focuses upon the personality development to make the students reliable, with positive attitude and right decision making.

The industry is always on the lookout for students who are vibrant, energetic individuals and ready to accept challenges, attentive, a good academic background, fast learners, open to learning even at work and more importantly, good communication skills.

The institute has created systems and structures to facilitate the aspiring students to excel in CAT, GATE, GRE, TOFEL, MPSC, UPSC and similar competitive examinations. Thus institution provides training program to students to improve their knowledge of Quantitative, Verbal and Analytical Ability, Communication Skills, etc.

The above goals are achieved by the institute through Industry/Institution Interactions and having Memorandum of Understanding with the esteemed industries like Siemens Industry Software India Private Limited,Apex Innovations Pvt. Ltd., Null Object Interactive Pvt. Ltd., ECS Software Technologies Private Limited, etc.

The Institution also has an associate membership with **Maharashtra Chamber of Commerce, Industries and Agriculture, Pune** to seek support on various activities related to Education, Training and Placements.

More than 135 activities carried out by Training & Placement Department during the academic year 2015-16.

❖ **Students' Training:**

Sr. No.	Type of Activity	No. of Hrs.	Total No. of students benefited
1	Aptitude	60	784
2	Soft Skills & Teamwork	30	821
3	Expectation Management	16	397
4	Technical	32	614
5	Foreign Language (Japanese)	160	120

❖ **Training & Placement Activities :**

Felicitation of Mr. Milind Gulavani, India Off Shore Delivery Head for JDC and Mr. Suyog Bhandekar, TCS Campus Head, Rest of Maharashtra by Director during TCS Road Show at RIT on 14th January 2016

Japanese Language Training Program in collaboration with Tata Consultancy Services from 13th February to 10th June 2016

HR Team of Perennial Systems, Pune and Team T&P with selected students during campus recruitment drive at RIT on 12th February 2016

Felicitation of HR from Advanced Design Solutions, Pune by Training & Placement Officer during campus recruitment drive at RIT on 24th April 2016

Felicitation of HR Team of Chola MS General Insurance. Co. Ltd., Pune by Training & Placement Officer during campus recruitment drive at RIT on 5th May 2016

Felicitation of HR of Reliance Retail Ltd., Mumbai by Training & Placement Officer during campus recruitment drive at RIT on 18th April 2016

❖ **Students Placement:**

B.Tech Programs:

Sr. No.	Department / Year	No. of students Placed	No. of students Registered	Percentage
1	Automobile Engg.	29	47	61.70%
2	Computer Science &Engg.	47	57	82.46%
3	Civil Engg.	19	28	67.86%
4	Electrical Engg.	28	43	65.12%
5	Electronics & Telecommunication Engg.	30	49	61.22%
6	Information Technology	25	41	60.98%
7	Mechanical Engg.	88	105	83.81%
	Average Percentage	**266**	**370**	**71.89%**

M.Tech Programs:

Sr. No.	Department / Year	No. of students Placed	No. of students Registered	Percentage
1	Automobile Engg.	8	17	47.06%
2	Civil - Construction Management	8	18	44.44%
3	Civil - Structure	3	17	17.65%
4	Mech. - Design Engg.	16	18	88.89%
5	Mech. - CAD/CAM/CAE	13	7	76.47%
6	Mech. – Production Engg.	11	18	61.11%
7	Electrical - Power Systems	3	17	17.65%
8	Electronics Engg.	2	18	11.11%
9	Electronics - Digital Systems	6	16	37.50%
10	Computer Science &Engg.	1	17	5.88%
	Average Percentage	**71**	**173**	**41.04%**

INDUSTRY INSTITUTE INTERACTION

The purpose of professional and higher education is to enable the student's industry-ready and to accept the job in any portfolio. Thus reputed Institution like RIT needs continuous interaction with industries. The Industry-Institute Interaction is oriented towards achieving the following objectives:

- Being an Autonomous Institution, the college is keen in updating the curriculum periodically of various departments in close collaboration with industry experts; the cell also helps to identify the experts in various fields for valuable inputs to be offered to the Board of Studies of all programs.
- Up gradation of knowledge of faculty by identifying suitable industries for faculty training.
- To enable the students acquire the necessary skills for observing the concepts taught in the classroom by solving projects in industries.

- To take up consultancy work in the nature of diagnosis and solving them using the expertise of the faculty and students.
- To provide assistance to industry in the area of testing the quality of various products and materials as per the industrial standards.
- To encourage the students to visit variety of industries and technical exhibitions to keep them abreast of the scenario prevailing in their field of study.
- To provide internship to students to confront real-life challenges and learn the state of the global technology and process to add to their core technological foundation.

The educational reform of linking technical education with industry is one of the important educational innovations emerging in the country. Interaction between institute and industry is now widely recognized as an essential requirement to train and develop the right kind of man power necessary to sustain and promote industrial and economical growth.

❖ **Sponsored Projects to M.Tech Students:**

Sr. No.	Dept./Branch	Sponsored Projects offered	No. of Industries offered projects
1	Automobile	08	07
2	Civil - Construction Management	08	08
3	Civil - Structural	03	03
4	Mech - Design Engg	16	11
5	CAD/CAM/CAE	13	12
6	Mech – Production Engg	11	08
7	Electrical - Power Systems	03	03
8	Electronics Engg.	02	02
9	Electronics - Digital Systems	07	06
10	Computer Science & Engg	01	01
	Total	**72**	**61**

❖ **MoU signed:**

Sr. No.	Name of the Company / Institute	Activities to be carried out with reference to MoUs
1	Siemens Industry Software India Private Limited & 3M Software Solutions, Pune	Training to UG & PG students on Siemens PLM Softwares
2	Dr. Ghali College, Gadhinglaj	Student Exchange, Faculty Exchange, Collaborative Research Activities, Collaborative Consultancy
3	Apex Innovations Pvt. Ltd., Sangli	Industrial Projects to UG & PG Students, Training to industry employees, Sharing of laboratories/Equipments/library facilities, Joint Publications, R&D Activities, Expert Lectures & Seminars, ec.
4	DEVV Calculus LLP, Pune	Training to UG & PG students on CATIA, NX, ANSYS, Hyperworks, MATLAB, etc. As well as train the students of Mechanical, Electrical &Electonics students on different softwares on latest technologies as per industrial needs
5	Adinath Foundation, Jaipur	Awareness Programs regarding non-communicable diseases for faculty & students through

Sr. No.	Name of the Company / Institute	Activities to be carried out with reference to MoUs
		seminar/workshops/guest lectures/etc., Summer & Winter Internship Programs for students & faculty, Joint R&D Activities with faculty & students, etc.
6	Krushiva lShikshan Prasarak Mandals, Islampur	Practical Training & Workshops for students of Mechanical, Electrical, Electronics, Joint R&D Activities with faculty & students, etc.
7	Sharad Institute of Technology, Yadrav	Training to students, Expertise & Resources Sharing, Collaborative research & publication, Joint conferences/seminars/other academic meetings, etc.
8	Null Object Interactive Pvt. Ltd., Pune	Resources sharing, sponsored projects to students, Internship to students, Contribution to RIT-CIIED, Guest Lectures/Seminars, Workshops/Trainings to students, etc.
9	ECS Software Technologies Private Limited, Karad	Resources sharing, sponsored projects to students, Internship to students, Contribution to RIT-CIIED, Guest Lectures/Seminars, Workshops/Trainings to students, etc.

❖ Faculty trained at Industry:

RIT has placed emphasis on the cultivation of strong links with industry and promotion of various industrial activities by the faculty members and students. Industrial Visits & Industrial Trainings are an integral part of engineering education and this experience helps faculty and students to gain information regarding functioning of various industries, new technologies adapted by industries and requirements & expectations of industries from students. Keeping in mind the importance of industrial training and visits, RIT motivates faculty as well as students to visit industries and to undergo training program at different industries.

Objectives
- To provide faculty and students an insight regarding internal working of companies.
- To learn practically through interaction, working methods and employment practices.
- To interact with industries and know more about industrial environment.
- To understand the subject to its core and its deeper practical experience in real field situation.
- This presents the student with opportunities to plan, organize and engage in active learning experiences outside the classroom.

19 faculty from different department have undergone the training program at 15 industries

Sr. No.	Company Name	No of faculty trained	Date	Name of faculty & Department
1	Akademika Lab Solutions, Navi Mumbai	1	28/7/2015	• Dr. Mrs. J. S. Awati, E&TC
2	Bharat Forge Ltd.	2	10/9/2015	• Prof. C. A. Waghmare, Mech. • Prof. A. M. Mulla, Mech.
3	Delhi Metro Rail Corporation	1	20/12/2015	• Dr. Mrs. S. S. Desai, M.B.A.
4	Infosys Technologies	4	25/6/2015	• Prof. Ajit Mali, CSE • Prof. Churchill Samson, CSE • Dr. N. V. Dharwadkar, CSE • Prof. S. S. Poojara, CSE

Sr. No.	Company Name	No of faculty trained	Date	Name of faculty & Department
5	Nihon Communication Solutions Pvt Ltd., Bangalore	1	15/6/2015	• Prof. Mrs. P. P. Patil, E&TC
6	Null Object Interactive Private Limited, Pune	2	12/12/2015	• Prof. Sagar Sawant, IT • Prof. Ravindra Mandale, IT
7	Posterity Information Systems	1	26/11/2015	• Prof. Amol Jagtap, CSE
8	Prygma Information Systems	1	19/12/2015	• Prof. Mano jPatil, IT
9	Sanofi India Ltd.	1	15/6/2015	• Prof. Mrs. Vidya Kadam, M.B.A.
10	Shivtirth Civil Engineering Services, Mumbai	1	22/12/2015	• Prof. Amol Thorbole, Civil
11	Siemens Goa	1	8/6/2015	• Dr. Mrs. Manisha Jagtap, M.B.A.
12	TCS, Pune	3	31/3/2016	• Prof. Ravindra Mandale, IT • Prof. Satyawan Jagtap, E&TC • Prof. Sanjaykumar Gawade, Mech.

❖ Faculty visits to Industries:

10 faculty from different department were visited 27 industries to seek the opportunities for students training, projects and placement.

Sr. No.	Name of the company	Name of the faculty
1	Ador Welding Ltd., Pune	• Prof. G. L. Suryawanshi
2	KCTI, Pune	• Dr. S. M. Sawant • Prof. Abid Mulla • Prof. Sudhindra Jalwadi
3	Ador Welding Ltd., Pune	• Prof. Santosh R. Patil • Prof. Manzoorahamad Mirza • Prof. N. K. Chhapkhane • Prof. D. S. Chavan
4	Ador Welding Ltd., Pune	• Dr. M. T. Telsang
5	General Motors (GM) India Ltd., Pune	• Dr. S. M. Sawant • Prof. B. R. Jadhav • Dr. S. K. Patil • Prof. A. M. Mulla • Prof. P. P. Deshpande
6	Samruddhi Industries, Sangli	• Prof. G. L. Suryawanshi
7	Ashta Liners Pvt. Ltd., Ashta	
8	Bharat Electrical Contractors & Mfrs. Pvt. Ltd., Sangli	
9	Shreem Electric Ltd., Jaysingpur	
10	JoshiJampala Engineering Pvt. Ltd., Satara	• Prof. Prakash. M. Jadhav
11	Manugraph India Ltd., Kolhapur	• Prof. Bhagwan Holkar
12	Menon & Menon Limited, Kolhapur	
13	Precifab Engineers Pvt. Ltd., Kolhapur	
14	Aashai Technologies Ltd., Pune	• Dr. S. M. Sawant
15	3DPLM Software Solutions Ltd., Pune	• Prof. U. M. Nimbalkar
16	Siemens Industry Software (India) Private Limited, Pune	• Prof. P. M. Jadhav

Sr. No.	Name of the company	Name of the faculty
17	Emerson Climate Technologies India Pvt. Ltd., Karad	• Prof. Sanjay R. Deshmukh
18	Emerson Climate Technologies (India) Limited, Atit	
19	Bharat Forge Ltd., Satara	
20	Mutha Group of Industries, Satara	
21	Tata Consultancy Services, Pune	
22	Bharat Forge Ltd., Pune	
23	Persistent Systems, Pune	
24	Cooper Corporation Pvt. Ltd., Satara	
25	Kay Bouvet Engineering Pvt. Ltd., Satara	
26	Karad Projects and Motors Limited, Karad	
27	Sound Casting Pvt. Ltd., Kolhapur	• Prof. Avinash Powar

❖ Interactive sessions for students trainings :

Hon. Director Dr. Mrs. S.S. Kulkarni with delegates of TCS, Japan & TCS, Pune during Inaugural Function of TCS Hikari Academy at TCS, Pune

Felicitation of delegates of Siemens Industry Software (India) Pvt. Ltd., Pune during selections process for Siemens Internship Program 2016

Visit of AVP & Head of Thyssenkrupp Industries India Pvt. Ltd., Pune to RIT

Hon. Director Dr. Mrs. S.S. Kulkarni with delegates of Foss Workshop Pvt. Ltd., Pune during workshop on Open Stack for Private Cloud for students

IMPACT OF TEQIP

OBJECTIVES:
To significantly increase enrolment in PG programs in engineering disciplines and enhance engineering research and development and innovation.
– Sub-objectives
  • Improving quality and relevance of PG programs.
  • Attract more and better qualified students for PG programs.
  • Improve faculty qualifications.
  • Enhance management of the institutions for more effective governance

TEQIP GOAL:
To Scale-up and support ongoing efforts of the Government of India to improve quality of Technical Education and enhance existing capacities of the institutions to become dynamic, demand- driven, quality conscious, efficient and forward looking, responsive to rapid economic and technological developments occurring at the local, State, National and International levels. It has a clear focus on the objectives to improve the overall quality of existing Engineering Education.

DELIVERABLES:
  • Increased enrolment of Master's and Doctoral students.
  • Percentage of revenue from externally funded R & D projects and consultancies in total annual revenue from all sources.
  • Increase in the number of publications in refereed journals, citations and patents obtained/filled.
  • The number of Joint publications in refereed journal.

IMPACT OF TEQIP IN INSTITUTES PROGRESS:
  • All UG Programs Accredited for 5 years/2years
  • Improvement in Input quality of UG & PG student. Focus on student development through diagnostic tests
  • Increase in Number of publications in reputed journals having H-Index, Impact factor.
  • Increase in Number of patents Filed.
  • Faculty training in subject domain
  • Faculty has exposure International/National reputed institutes
  • Awareness in UG students for higher studies & competitive examinations.
  • Effective implementation of Autonomy
  • Improvement in performance of UG & PG students
  • Benefit for accreditation
  • Due to increase in PG and PhD programs awareness about research and innovation has improved to a large extent.
  • Increasing number of PhD faculty members
  • Increase in industry institute interaction.

KEY PERFORMANCE INDICATOR ACHIVED BY INSTITUTE AS PER 6th JRM:

Sr. No.	Performance Indicators	Status	Evidence
1	Autonomy (received 2(f) recognition from UGC; and obtained autonomy or applied to UGC for autonomy with no objection from university)	Yes	Letter Attached
2	Minutes of meeting of Board of Governors taking place in last 4 months published on the institution's website	Yes 30th December, 2015	Yes, 30th December, 2015 Available on institute website www.ritindia.edu http://www.ritindia.edu/teqip2-minutes-of-meeting.htm
3	NBA accreditation (55% accredited; or completion application for 55% sent to NBA, i.e., fee paid and Self-Assessment Report having been completed)	Yes UG- 71.43% PG-70% Total- 70.59%	Letter Attached
4	Commitment of 100% of funds received	Yes	FMR Report January , 2016
5	Expenditure of at least 70% of total funds received	Yes 90.85%	FMR Report January , 2016
6	Procurement plan to cover 100% of planned procurement expenditures	Yes	
7	Completion of all data input into the MIS for 2014-15 (exception to be provided for institutions where the results are delayed)	Yes	
8	Funds released by the state to the institution within 45 days of receipt from MHRD	To be provided by concern state	
9	Institution has deposited required funds in each of the Four Funds, as against annual expenditure reported in the MIS	Yes	

TEQIP fund allotted 4.00 Crore	
As per Revised IDP TEQIP fund allotted for Additional 2.00 Crore	
Total Fund Allotted Rs. 6.00 Crore	
Fund Received form SPFU/NPIU	Rs. 3.20 Crore
Institute Share amount	Rs. 0.80 Crore
Institute Share against as per Revised IDP	Rs. 0.30 Crore
Fund Received from SPFU/NPIU out of additional 2 Crore	Rs. 0.70Crore
Total	**Rs. 5.00 Crore**
Expenditure up to July 2016	Rs. 4.10 Crore
Total Expenditure up to July, 2016 82 % out of Rs. 5.00 Crore	

List of Teaching Assistants under TEQIP-II for the year 2015-16:

Sr. No.	Name of Candidate	Department
1	Mr. Patil Dhiraj Dharamgounda	Automobile
2	Mr. Pandit Abhishek Rajshekhar	Automobile
3	Mr. Joshi Prasanna Vijay	Civil Construction Management
4	Ms. Patil Manorama Shrirang	Civil Construction Management
5	Mr. Karake Darshan Mahaveer	Civil Structural
6	Mr. Sanga Ratin Vijay	Civil Structural
7	Mr. Mirajkar Dhanaji Vilas	Computer Sci. & Engg.
8	Mr. Patil Atul Bhupal	Computer Sci. & Engg.
9	Mr. Patil Suyash Shahaji	Computer Sci. & Engg.
10	Mr. Shinde Rahul Sadashiv	Electrical Power System
11	Mr. Nathgosavi Kiran Maruti	Electrical Power System
12	Ms. Koli Pratiksha M.	Electrical Power System
13	Mr. Jadhav Vinod Krushnath	Electrical Power System
14	Ms. Bagane Ashwini Shahaji	Electronics
15	Ms. Dinde Sonali Raghunath	Electronics
16	Mr. Sargar Pankaj Tukaram	Electronics Digital System
17	Ms. Khot Ashwini Tanaji	Electronics Digital System
18	Ms. Mane Priyanka Maruti	Mech.-Production
19	Mr. Patil Vinayak Mahadeo	Mech. -Production
20	Mr. Shinde Omkar Vijay	Mech.-Production
21	Mr. Kadam Arjun Arun	Mech.- Design

List of Faculty Attended International Travel :

Sr. No.	Name of Faculty	Paper /Chair	Place	Period
1	Dr. Mrs. S.S. Kulkarni	Global Engineering Deans Council (GEDC) 2015 will be held from 30th Nov. to 2nd Dec., 2015 at Adelaide, Australia.3rd – 5th visit to various Universities in Adelaide, Australia	Adelaide, Australia	30th Nov. to 5th Dec., 2015

Faculty Training in Man days:

Pedagogy

Sr. No.	Department	No. of Faculty	Man days	Department	No. of Faculty	Man days
Year 2014-15				Year 2015-16		
1	Automobile Engineering	16	39	Automobile Engineering	08	72
2	Civil Engineering	16	39	Civil Engineering	09	94
3	Computer Science & Engineering	13	31	Computer Science & Engineering	03	22
4	Electrical Engineering	10	38	Electrical Engineering	05	54
5	Electronics & Tele Communication	15	42	Electronics & Tele Communication	09	82
6	Information Technology	11	25	Information Technology	04	42
7	Mechanical Engineering	17	59	Mechanical Engineering	19	183
8	Science & Humanities	03	15	Science & Humanities	01	10
		101	288		58	559

Subject Updating /Domain Knowledge

Sr. No.	Department	No. of Faculty	Man days	Department	No. of Faculty	Man days
Year 2014-15				Year 2015-16		
1	Automobile Engineering	11	67	Automobile Engineering	11	62
2	Civil Engineering	05	22	Civil Engineering	07	40
3	Computer Science & Engineering	15	41	Computer Science & Engineering	08	54
4	Electrical Engineering	03	16	Electrical Engineering	04	29
5	Electronics & Tele Communication	01	02	Electronics & Tele Communication	06	42
6	Information Technology	12	51	Information Technology	11	93
7	Mechanical Engineering	17	107	Mechanical Engineering	22	105
8	Science & Humanities	02	06	Science & Humanities	03	12
Total		66	312		72	437

Management Capacity Development

Sr. No.	Department	No. of Faculty	Man days	Department	No. of Faculty	Man days
		Year 2014-15			Year 2015-16	
1	Automobile Engineering	03	08	Automobile Engineering	02	09
2	Civil Engineering	04	12	Civil Engineering	03	18
3	Computer Science & Engineering	05	13	Computer Science & Engineering	-	-
4	Electrical Engineering	02	06	Electrical Engineering	-	-
5	Electronics & Tele Communication	08	16	Electronics & Tele Communication	01	05
6	Information Technology	06	14	Information Technology	-	-
7	Mechanical Engineering	06	15	Mechanical Engineering	03	19
8	Science & Humanities	04	08	Science & Humanities	-	-
Total		38	92		9	51

Trainings to Technical & Administrative Staff

Sr. No.	Department	No. of Staff	Man days	Department	No of Staff	Man days
		Year 2014-15			Year 2015-16	
1	Automobile Engineering	-	-	Automobile Engineering	04	16
2	Civil Engineering	-	-	Civil Engineering	04	10
3	Computer Science & Engineering	02	10	Computer Science & Engineering	02	25
4	Electrical Engineering	-	-	Electrical Engineering	03	18
5	Electronics & Tele Communication	-	-	Electronics & Tele Communication	01	03
6	Information Technology	-	-	Information Technology	02	25
7	Mechanical Engineering	05	12	Mechanical Engineering	04	16
8	Office	36	50	Office	23	23
9	Library	04	07	Library	09	12
10	Computer Center	-	-	Computer Center	03	10
Total		47	79		55	158

1. **International Conference on Computing, Communication and Energy Systems (ICCCES-2016)**

    The main objective of ICCCES-2016 was to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about the aspects of Electrical, Computer, Information Technology and Electronics Engineering. The conference provided premier interdisciplinary forum to present and discuss the most- recent innovations, trends, and concerns; practical challenges encountered and the solutions adopted in these fields.

    The International Conference on Computing, Communication and Energy Systems (ICCCES-2016) received papers consisting of original research contributions of researchers working in the areas such as evolutionary computation, hybrid algorithms, big data, grid computing, microelectronics, array signal processing, wireless sensor networks, smart grid, energy systems and their management.

    We are encouraged with the response received for ICCCES-2016. A total number of 157 papers were received from nine states of India and four papers from overseas namely USA, France and UAE. The double-blind peer review process was followed for paper selection and 110 papers were selected for publication and presentation in the conference.

    The conference was scheduled for two days on 29th and 30th January 2016 and was inaugurated by Mr. Baseer Ahmed, Business Operations Manager, ERICSSON LTD. UK with key note address on ICT transformation and Innovation. The conference had three plenary sessions and first plenary address was delivered by Dr. Pradeep Desai, Technology Leader –Software Sciences, Analytics and Head of Software Center of Excellence-India, Bangalore on the topic, "Internet of Things, Big Data and Advanced Analytics". The second plenary address was delivered by Mr. Chidambar Joshi, Design Engineer, Black & Veatch Pvt. Ltd., Mumbai on the topic, "Engineering aspects for Industrial or commercial installations and applications" and third plenary address was delivered by Dr. Sudhir Bagga, President- Life Science Medical Center, Healthcare Information Technology, Redondo Beach, USA on the topic, "Integrative Medicine-An Engineering Approach".

We take this opportunity to thank all the authors for their valuable contribution through their research papers. We extend our gratitude to all the reviewers for providing their expertise to improve the quality of papers. We are thankful to the Institute of Engineering and Technology (IET), UK for their association. We also acknowledge unwavering support extended by members of organizing committee and technical committee. We extend our heartfelt gratitude to   RIT's Board of Governors for giving us an opportunity to organize this conference. We are grateful to Director, Deans and Nodal officer of TEQIP-II project of RIT for their valuable guidance.

2. **International Conference on Advances In Civil Infrastructure and Developments of Smart Cities (Icacids-2k16)**
    Organized by Department of Civil Engineering in association with CCMA, ESCI, CITS, IJIRSET & MASTER BUILDER Under TEQIP-II from 26-28th February, 2016. ICACIDS-2K16 an International conference organized by department of Civil Engineering got very good response from researchers and academicians, few industries have also contributed in this conference. The first International conference hosted by the department was a grand success and great learning for all the faculty members involved.

The conference was planned with various objectives in mind:

1. Provide a platform for mutual interaction and technology transfer in various areas as Industry, academia and researchers.
2. Provide platform for sharing technical knowledge and upcoming research areas in the field of Civil Engineering

We have organized this conference with two pre-conference workshops

1. Repairs and Rehabilitation of Structures by Er. Vivek Mamdapur, IIT, Mumbai, A clear and concise requirements for preserving the structures for better performance. His emphasis was on what happen: what are the reason & what needs to be done. I hope all the participants got a good insight of it and will apply the knowledge on their future. He also gave emphasis on ethics which one should follow.
2. Contribution of Smart Cities in Development of Nation by Ar. Manish Banker. The session was really the eye opener for all engineers, planners and designers about what is smart city and what now we should plans. His focus on connection with the nature and to plan and construct infrastructure which will lead to happy cities and citizens. As government of India has planned Development of Smart Cities. He gave

and insight to what should go into the smart cities. SMART CITIES AND BUILT BY SMART CITIZENS.

The main conference "ICACIDS 2k16" started with the grace of god and in presence of distinguished dignitaries Mr. S. N. Moorthy, Dy. M.D. Dico Tech Dubai, UAE and Mr. Sameer Surlekar, President, CCMA.

As concrete is the "Second largest" construction material consumed in the world (after water) Taking care is must and as designer's, executors of the infrastructure projects it is our duty to take care of concrete. Water "A friend of Civil Engineering" but is also one of the biggest enemy after construction or on some cases whole construction. We need to take care o the same too.

Dr. P Vedagiri, IIT, Mumbai has given expert lecture on the topic was close to hearts of all civil engineers and in real sense related to transportation facility and infrastructure required for Smart Cities. Proactive Road Safety Assessment is very important on life. All might have really got on good insight of reasons of accidents and research area's which might be addressed by Civil Engineer's. The second and third sessions of paper presentations were successfully completed with great knowledge sharing in the presence of session chairs, well recognized in the field of Civil Engineering.

3. **RIT – National Conference for Engineering Post Graduate Students (RIT NConPG-16)**
   RIT NConPG-16 is national level conference organized for PG students to present and publish their papers on 20th May, 2016. The inaugural function of the programme was planned in presence of Hon. Nalli N S S R K Prasad Group Director, Aeronautical Agency (ADA), Bangalore, India and Mr. Nikhil Padate, JANGS Tech. Ichalkarnji. In this Conference, there were ten parallel paper presentation sessions were conducted. These sessions are Automobile Engineering, CAD/CAM/CAE, Civil Construction Management, Civil Structure Engineering, Computer Science & Engineering, Electrical Power Systems, Electronics Engineering, Electronics Digital Systems Engineering, Mechanical Design Engineering, Mechanical Production Engineering.

Two session chairs were appointed for each track. They evaluated the paper presentations and selected one best paper from each track. The valedictory function of the programme was conducted in presence of Mr. Girish Chitale, Director, Chitale Dairy, Bhilwadi. Best paper awards were given by his hand.

4. **International Conference on Capacity Building: Controllable and Uncontrollable Factors (INCONRIT2016)**

Pre Conference Workshop was organized on 12th February, 2016. 250 participants were participated. Participants were from industry, academics and students. The workshop was inaugurated by Dr. B. S. Sawant, Chapter Chairman, AMMI and Director, KBPIMSR, Satara. The resource persons were Mr. S. A. Kumbhar, Acting President, Yog Vidyadham, Islampur, Swamiji Chitprakanandaji Saraswati, Coordinator of 8 Chhatralayas in Maharashtra & Karnataka, Prof. Neeraj Gupta Professor, Dept. of Architecture, CURAJ, Dr. Dinesh Kamat Dean, Jaysingpur Medical College, Dr. Rahul More, Consulting Psychiatrist, Manotej Hospital and Dr. Ms. Vinita Agarwal, Professor, AMITY University Rajasthan (Jaipur).We organized cultural program at Bahe in the evening.

- **Dr. Mukul Gupta**, Adjunct Professor, University of Maribor Slovenia inaugurated main conference on 13th February, 2016. He highlighted the understanding of capacity building in greater perspective of society in his key note address. Dr. S. S. Kulkarni, Director RIT, Dr. M. T. Telsang, Dean Academics, RIT, Professor Niraj Gupta CURAJ and Mr. Akhilesh Mishra, Vice President, IFFCO TOKIO were also present on the inaugural function of INCONRIT2016. Ms. Shivani Shinde Nadhe, Chief of Bureau, Business Standard, Pune, Er. Sanjeeb Kumar Patjoshi, Director, VAMNICOM and Dr. S. S. Mahajan, HOD, Commerce & Management, SUK were resource persons for different session on Capacity building. We received research papers from International and National participants. 250 participants were participated. Participants were from industry, academics and Students.

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- **Mr. Yogesh Upadhyay**, ISTD National President was the chief guest for 3rd day of INCONRIT2016. He highlighted on Importance of Training in Organizational Capacity Enhancement in his presentation. Mr. Vikas Shirodhkar, Director at Basil HR Advisory Services and Mr. Vinayak Ghag, Consulting Expert and Management Educator were resource persons for 3rd day of conference.

NOTABLE INSTITUTIONAL ACHIEVEMENTS

Institute's Achievements:

- Institute has been selected as one of the **best colleges (committed) for QEEE program** by QEEE IIT, Madras.
- **Best Practices** followed in institute has been selected for the presentation in **3rd Global Engineering Deans Council (GEDC)** Adelaide, Australia 2015 Conference.
- Shivaji University, Kolhapur selected as **Lead College** for 2007-2010 for the first time and on the basis of performance reselected for 2010-13 & 2013-16.
- Ranked 75th in Top 100 private T-Schools in India by Dataquest-CMR T-School Survey 2016.
- Ranked 81st in Overall Ranking in i3RC Times Top 150 Engineering Institute Rankings 2016.
- Three Students have got selected for admission in Foreign Universities for Higher Studies in 2015-2016.

Faculty Achievement:

Dr. Mrs. S. S. Kulkarni, Director has recognized as **one of the 100 most Influential Directors** of India (Education) by World Education Congress in June, 2016.

Dr. Mrs. S. S. Kulkarni, Director has **co-chaired at International Conference** on Transformation in Engineering Education (ICTEE) 2016, Pune.

Dr. Mrs. S. S. Kulkarni as **keynote speaker** for 2016 CDIO Asian Regional Meeting and the **Asian Engineering Education Conference** from 22-25th March, 2016 at **Yanshan University, Qinhuangdao, Hebei, China**.

Dr. Mrs. S. S. Kulkarni, Director has received invitation as Jury for the **3rd** **Global Engineering Deans Council (GEDC) Conference** for **Airbus Award for Diversity in Engineering Education** at Adelaide, Australia 2015.

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Dr. M. T. Telsang has received **Best Teacher Award** in the Colleges affiliated to the university for the year 2015 by **Shivaji University, Kolhapur**.

←

Dr. Sachin K. Patil, HOP, M.Tech. (Mechanical-Production) has received **"Special Research Award"** in Productivity Contest of 57th National Convention of IIIE and 3rd International Conference on Industrial Engineering at SVNIT Surat in October, 2015.

→

Mr. Dadaso T. Mane,Mr. Pralhad R. Gavali & Mr. Sadanand Howal from IT Department has received Distinguished Award in National Convention Quality Circle 2015 at SRM University, Chennai

←

Dr. Abhijeet Shah, Asst.Professor, Automobile Engineering Department, has been awarded by "Ph.D." by National Institute of Technology, Warangal.

→

Mr. Sanket Mane, Asst. Prof., ETC has secured First Prize in Avishkar – 2015 Engineering and Technology at PG Level, on "Furnace Temperature Measurement Based on Image Processing & Neural Network" Same research work is selected for State level Competition held at Pune on 14-17th January 2016.

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Student's Achievement:

- Electronics Dept. Students Akshaya Waingade, Yasharee Jadhav, Megha Mali, Ashwini Dale, Sonal Patil & Automobile Dept. Students Priyanka Mohite, Akshay Jadhav, Skkihimi Kumbhar, Priyanka Pawar has won prize (certificate with Rs. 20,000/-) in National Level Best Projects, Research and Technology Exhibition-MIT TechnoGenesis 2016, held on 4th April, 2016 at MIT College of Engineering, Kothrud, Pune. Project Title: Design and development of fruit grading machine using image processing under the supervision of Prof. S. R. Desai from Automobile dept. and Prof. S. S. Sawant from ETC dept

- Mr. Arpit Agrawal in Syracuse University, New York, USA, Mr. Karan Ahuja in Rutgers State University of New Jersey, New Brunswick U.S. & Mr. Pranil Mali in University of Texas, Arlington have selected for the admission for Higher Education in academic year 2015-2016.

- Mrunal Prasad Kshirsagar (M. Tech Automobile) and Prof. Satyajit R. Patil won **First prize** for their paper presentation at "National Conference on Mechnical engineering, Material Sciences and Mechatronics" (NCMMM), organized by Vishwakarma Institute of Information Technology (VIIT), Pune on 19th March, 2016.

- Rajendra Anandrao Lohar (M. Tech Automobile) and Prof. Satyajit R. Patil **won third prize** for their paper presentation in the Raisoni Group of institutions – National Level Technical/Research paper competition for students (RGI – TRPCS 2016) organized by G H Raisoni College of Engineering and Management, Wagholi, Pune on 10th March, 2016

- Mr. Kunal Soanawane, Prathamesh Kumbhar & Varad Choudhary has won **First prize in expert group** for the project "Efficient IOT Based Water-Level Administration and Android Application" in Vision 2016 at Walchand College of Engineering, Sangli.

- Mr. Digvijay Dinkarrao Kokate-Patil has become Vice President of Youth Inspirators Network (YIN) for Sangli District.
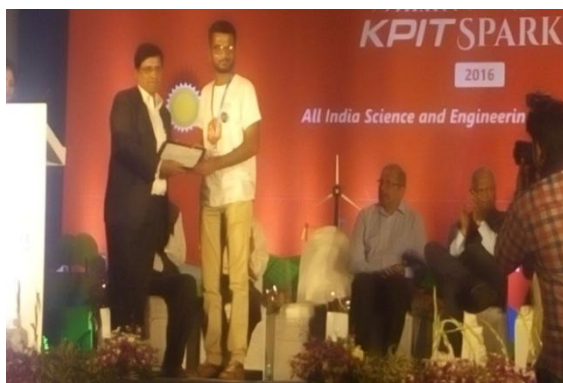
Abhishek Rajshekhar Pandit, Student of S.Y. M-Tech Automobile, participated in KPIT Sparkle 2016 Innovation Competition and got "pat on the back award" on 30th of January 2016 for this competition total 10,000+ Student participated with 1700 Idea Are submitted, after going through short listing process of 3 rounds his Idea is selected in Final 54 Idea all over the India. Theme for competition is "smart solution for energy and transportation". He receive award from Mr. Vinit Goenka, Member, Task Force (IT) Ministries of Shipping Road Transport & Highways, Govt. of India.

Mr. Ladu Lino Cirillo (SY MBA) got elected as Member of Parliament (MP) of newly formed Terekeka State of South Sudan. ⟶

Students of SY and TY B. Tech from Mechanical Department (Team Luftwaffe) Participated in "Go-kart Design challenge (GKDC 2015)" organized by ISNEE (Indian society of new era of engineering) held at Coimbatore in Feb 2016. "Achieved 14th rank in all over India & Secured 3rd rank in Autocross as well as Aesthetic".

Mr. Mihir Khilare has got FIRST PRIZE at Shivaji University Intercollegiate Innovation & Research Competition Aavishkar 2015-16. Project Name: "Planning and Designing an Ideal Township for Senior Citizen." ⟶
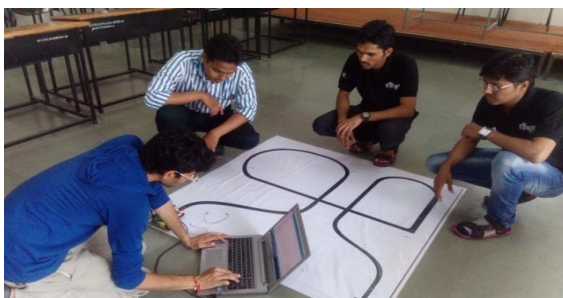
ETRON 2015 a national level event was organized by Electronics & Telecommunication Engineering Department (2nd and 3rd October, 2015) ⟵

- Achievement in 3rd Indian Student Forum Workshop 2016.
  i. Ms. Tejaswini Pawar & Ms. Asmita Patil received 2nd Rank in track (Knowledge networking through collaborative learning) and best outgoing action plan.
  ii. Ms. Aishwarya Katkar has received 2nd Rank in track (Knowledge networking through collaborative learning) and best outgoing action plan.
  iii. Mr. Rohit Bhagat, Mr. Digvijay Thorat, Mr. Vishal Alase, Mr. Abhishek Patil & Ms. Shivali Jadhav have received 3rd Rank in track (Engineering an Engineer through Problem Specific Learning.) and best outgoing action plan in 3rd ISF. Successfully implemented action plan.
  iv. Ms. Namrata Patil, Ms. Nikita Jashav, Mr. Gaurav Mane & Mr. Ajit Kenjale has successfully implemented action plan.

- Mr. Jubin Mulla, Mr. Atul Mali & Ms. Snehal Shinde, Department of Management Studies (DMS) students selected at Rs. 4.78 Lacs p.a. in IFFCO TOKIO General Insurance Company.
- Ms. Tejaswini Pawar(TY IT), Ms. Asmita Patil (TY CIVIL) and Ms. Aishwarya Katkar (SY IT) have been shortlisted for "Global Student Forum(GSF) Oct 2016 to be held at Seoul, South Korea.
- Mr. Suyash Shahaji Patil, Computer Science & Engg. department got First Prize for project the Vineyard Monitoring and Recommendations using Wireless Sensor Network in Avishkar 2015-16.
- Mr. Patil Rajdeep and Shirishkumar Shahapure, Automobile Engineering have secured second prize in AVISHKAR 2015-16 Stage I & II, For Engineering and Technology section, Project Title is "Design and Development of Three way dumping for two wheel tractor trolley". They have been given responsibility to represent Shivaji University at Pune at Regional Level AVISHKAR competition Stage III.
- Team 'Retaliators' of SY and TY Mech.Dept. has successfully secured virtual round of 'E-Bike Championship 2K15' organized by Tech Wizard Consultant on August 2015.
- First Year B. Tech students of E division for their glorious selection for IIT DELHI for ROBO-ZEST' 16 final, an international level Robotics championship. The workshop has been conducted by Robospecies Technologies Private Limited and Accredited by International Accreditation Organization, Houston, USA On 28/08/2015.
- M.Tech (Digital System) student Miss Snehal Salunkhe secured the Best prize in poster presentation held at International Conference at KBP, Pandharpurin 2015.
- RIT in association with Indo-US Collaboration for Engineering Education (IUCEE) and Student Platform for Engineering Education Development (SPEED) has blissfully hosted 3-days workshop entitled Regional Student Forum 2015 scheduled from 31st July to 2nd August, 2015.
- Team NEQUIT (Students of Automobile and Mechanical) has successfully cleared virtual test of student formula racing competition SUPRA SAE India 2015 and grabbed award of Best PIT and Girls Participation. Mr. Akshay D. Chavan (Captain Team NEQUIT) B.Tech student of Automobile Engineering is awarded by Prof. B. S. Murthy award for his work in engine emission and control by SAE INDIA FOUNDATION Annual Award Function on 3rd August 2015 in New Delhi. Dr. Richard W. Greaves President SAE International shall be the chief guest at the event.

Sports Achievements:

Sr. No.	Event/Tournament	Venue	Position
01	Zonal Table-Tennis Competition (Men)	RIT, Rajaramnagar	Winner
02	Zonal Chess Competition	Adarsh College, Vita	Winner
03	State Level Inter-Engineering Football Competition	PVPIT, Budhgaon	Runner-up
04	Dhanshree Ghadage (Judo)	Inter-zonal Competition	Silver Medal
05	Mayur V Bhalshankar	2nd National Thai boxing Federation cup -16 Sangli.	Bronze Medal
06	State level Volleyball Tournament	RIT, Rajaramnagar	Winner
07	State level Kabaddi Tournament	RIT, Rajaramnagar	Runner-up

Sr. No.	Event/Tournament	Venue	Position
08	State level Kabaddi Tournament	RIT, Rajaramnagar	Runner-up
09	State level Basketball Tournament	RIT, Rajaramnagar	Runner-up
10	State level Kho-Kho Tournament	RIT, Rajaramnagar	Runner-up
11	Shivaji University level Volleyball	Ashokrao Mane Technical Campus, Wathar	Runner-up
12	Mayur V Bhalshankar (T.Y. ETC)	Western Maharashtra Divisional Kick Boxing Compe.	Gold Medal
13	Suraj V Thorave (T.Y. ETC)	Western Maharashtra Divisional Kick Boxing Compe.	Silver Medal
14	Pritam B Kadam (T.Y. ETC)	Western Maharashtra Divisional Kick Boxing Compe.	Bronze Medal
15	Latane Shubham	National level Inter Engg. Sports Meet at TKIET, Warnanagar	3rd Prize

Competitions & Camp Organized At University Level:
- State level Inter Engineering Sports Meet- SPUNK'16
- RAJARAMBAPU MARATHON on memories of Loknete Rajarambapu Patil on 17th January 2016.
- Inter-Zonal Volleyball (Men) Competition in month of September 2015.
- Annual Sports Competition for various games.
- Zonal Table-Tennis Competition in month of August
- Zonal Badminton Competition
- Blood Donation camp on 1st August, 2015.
- 7 Days residential NSS Camp at Sakharale from last 2 years

The winners of different sports were honored by attractive prizes by hands of Hon. Prasad Kulkarni, General Manager, Head Export Excellence Cell & India Sale Excellence Cell, Hon. Shamrao Patil (Kaka), President Kasegaon Education Society, Hon. Shamrao Patil (Anna) & Dr. M. T. Telsang, Member of Governing Council RIT on 19th of February 2016.

Cultural Cell Achievements:
Following activities have been organized during 2015-16
- Celebration of Ganesh Festival.
- "VIRANGULA" - Annual Cultural Festival is organized every year. This two days function constitutes: Sangit Rajni, Prince Princess, Traditional Day, Fishpond, Dance-Drama Night. The Prize distribution of over all activities in Institute is held on second day of Virangula.
- Cultural Cell organized 2 days "Drama Workshop on Acting & Voice Culture" Under Lead college scheme every year.
- "NAUTANKI" - An annual Cultural program is held on for Faculty, Students and parents which includes Acts of 6 Different plays. It has an overwhelming response from Audience.

- The students of Music Cell are actively participated in Samuha Geet event under "Bhartiyam State Level Competition 2015" organized by Bharati Vidyapeeth, Pune.
- Mr. Nikhil Wasnik the student of Music Cell has achieved 3nd rank in Sugam Gayan event under Shivaji University Youth Festival 2015-16 (District Level Competition). Also he has selected for participation in University Level Youth Festival.

Sr. No	Event	Award	Student Name	Status
1	Natyavachan Spardha, Islampur.	First Rank	Team	State
2	Natyavachan Spardha, Islampur.	Third Rank	Team	State
3	Natyavachan Spardha, Islampur.	Best Male Reader	Nandkishor Atole.	State
4	Natyavachan Spardha, Islampur.	Best Female Reader	Gayatri Pawar.	State
5	Natyangan, Miraj	Consolation Best Actor	Shivraj Nale.	State
6	Sushil Karandak, Solapur	First Rank for Best Ekankika	Team	State
7	Sushil Karandak, Solapur	Second Rank for Best Direction	Vaibhav Chavan and Sourabh Yedage.	State
8	Sushil Karandak, Solapur	First Rank for Best Actor	ShivrajNale.	State
9	Sushil Karandak, Solapur	First Rank for Best lights	Sourabh Yedage and Sourabh Kulkarni.	State
10	Sushil Karandak, Solapur	First Rank for Best Set Design	Prasad Gore and Harish Dharanguttikar.	State

STRATEGIC PLANNING

One Page Strategic Plan (OPSP) 2015-16
Organization Name: **Rajarambapu Institute of Technology, Rajaramnagar.**
People (Relationship Drivers)

Employees	**Customers**	**Stakeholder**
1. Director of Institute	1. Students	1. B. O. G.
2. Faculty & Staff	2. Faculty & Staff	2. Industry & Community
	3. Industry and Higher Education Institutes	3. Parents

CORE VALUES/BELIEFS (Should/ Shouldn't)	PURPOSE (Why)	TARGETS (3-5 YRS.) (Where)		GOALS (1 YR) (What)	
Practice what we preach Honesty and Sincerity Fairness and equality Cooperation Joy of Learning Each one can excel	To impart quality technical education	Future Date	01.08.2017	YR Ending	01.08.2016
		Revenues	Fees collection	Revenues	Fees Collection
		Profit	Audited Statements, IRG, Fees, funding from outside Agencies	Profit	Non Profit Organization, Audited Statement
		Mkt. Capture.	Admission, 100% of sanctioned seats.	Mkt. Capture.	100% admissions of students with diversity (Region, State, Nation)
		Accreditation	All eligible programs	Accreditation	NBA Accreditation of 3UG and 2PG Programs and NAAC Accreditation of Institute
		Cash	100% Fee collection	Cash	100% Fee collection
		Faculty	Recruiting from IIT, NIT and premier institutes.	Faculty	Recruiting from IIT, NIT and premier institutes.
		Placement	100%	Placement	60%
		Research and Development	Publication, Project & Patent (Publications in indexed journals suggested by Research Publication Committee: 250 no, Funded Research Projects : 200L, Consultancy :	Research and Development	Publication, Project and Patent. Publications in indexed journals suggested by Research Publication Committee: 20 nos, Funded Research Projects :40L, Consultancy :20L and Patents : 5 nos.

CORE VALUES/BELIEFS (Should/ Shouldn't)	PURPOSE (Why)	TARGETS (3-5 YRS.) (Where)		GOALS (1 YR) (What)	
			100L and Patents10 nos.)		
		Results of the Institute	a) Strengthening of Teaching Learning Process. b) Strengthening of Industry Institute Interaction	Results of Institute	a) 100% usage of Ioncudos. Usage of Moodle for better clarity to students and interaction with students. b) Participation of Industry in curriculum development, Lab development, training programs and projects.
		TEQIP	--	TEQIP	Achievement of performance indicators
		Infrastructure	Energy Efficient Campus	Infrastructure	Green Campus a) Green Audit of Infrastructure. b) Energy Audit.
	Actions	**Key Thrusts/Capabilities** 3 – 5 Priorities.		**Key Initiatives** Annual Priorities.	
	1.a) Admission: Improving intake quality of students, b) Strengthening of administrative processes: Prof. R. D. Padval	1. a) To attract top JEE score students from different regions and international students. b) Initiating effective ICT based administrative services		1. a) Activities to attract top JEE ranked students. Activities to attract international students. b) Defining the administrative service charter and its implementation.	
	2. Strengthening competency of students for higher education and employment Dr. S. M. Sawant, Prof. Deshpande P. P. & Prof. P. M. Jadhav.	2. Comprehensive Student development for higher education, entrepreneurship and employment.		2. Developing students for competitive exams like GATE, GRE, CAT, MAT Etc. and entrepreneurship skills. Interaction with alumni. Identifying new companies for placements. Preparing students for placement.	
	3. Strengthening Industry Institute Interaction : Prof. P.M. Jadhav and HODs	3. Strengthening of industry institute interaction.		3. MoUs with industries. Carrying out live projects with industry. Field/implant training of faculty and students. Representation of faculty on industry board. Providing training to industry people. Establishing joint laboratories with industries.	
	4. Strengthening of academic processes: Dr. M. T. Telsang Prof. M.V. Kavade Prof. S.A. Thorat	4. Implementation of OBE. Usage of ICT		4. a) Design, delivery and assessment of courses/programs. b) 100% usage of Ioncudos. c) Usage of Moodle for better clarity to students and interaction with students.	
	5. Accreditation : Dr. A.C. Attar	5. Accreditation		5. Preparation of SSR for NAAC and Preparation of SAR for 3UG and 2PG NBA Accreditation.	

CORE VALUES/BELIEFS (Should/ Shouldn't)	PURPOSE (Why)	TARGETS (3-5 YRS.) (Where)	GOALS (1 YR) (What)
	6. Strengthening of research base – Dr. A. B. Kakade Prof. P. P. Deshpande	6. Strengthening of 3Ps. (Publish, Project, and Patent)	6. a) Preparing Research proposal for external funding, Publication and Project. b) Development of Centre for Innovation, Incubation and Entrepreneurship Development.
	7. a) TEQIP Dr. P. S. Patil	--	7. a) Achievement of performance indicators
	8. Infrastructure Prof. P.M. Mohite	--	8. Green Campus a) Green Audit of Infrastructure. b) Energy Audit.
Core Competencies	Profit/X 100% admission of sanction seat and fees collection.	Brand Promises KPI's - Student Competency - Research outputs - 100 % employability	Critical #: People (B/S) Students and faculty competency.
	BHAG RIT should be ranked among 1st 50 best performing institute by 2018 in India	Brand Promise Career Assured.	Critical #: Process (P/L) Administrative Processes Placement Academic systems (OBE)

Strategic plan was implemented for year **2009 to 2014** and **2015 to 2019**.
In first five years (2009 to 2014) the identified thrust areas were as follows:
- Capacity building for autonomy.
- Comprehensive Student Development Activity for Academics, Placement & Higher Education
- Tie-up with reputed Indian Institutes Universities.
- Strengthening Research Base.

The achievements after first five (2009 to 2011) years:
- Institute got Autonomy in the year 2011.
- Institute got selected for TEQIP II
- Placements were increased from 51 to 65%.
- Publications were increased by 15%.

In the next five years the identified thrust areas are:
1. Admission: Improving intake quality of students, Strengthening of administrative processes
2. Strengthening competency of students for higher education and employment
3. Strengthening Industry Institute Interaction
4. Strengthening of academic processes: Implementation of OBE and usage of ICT.
5. Accreditation: Accrediting bodies like NBA, NAAC etc.
6. Strengthening of research base: Strengthening of 3Ps (Publication, Projects and Patents)

The achievements till current years are as follows:
1. Institute Industry Interaction is increased in terms of MOUs, Faculty training, Professional training.
2. Number of publications is increased by 10%.
3. 29 patents are registered.
4. 26 projects are sanctioned under In-house seed funding.

All UG programmes are NBA accredited and re accredited and 3 PG programmes are NBA accredited.

GRADUATION DAY REPORT

RIT celebrated its First Graduation Ceremony of B.Tech. and Third Graduation Ceremony of M.Tech. and MBA on Saturday, 31st October, 2015. The Program Completion Certificates were conferred upon 685 B.Tech., 176 M. Tech and 82 MBA students on this gracious occasion. The Chief Guest Dr. Raghunath Mashelkar is well known scientist and Former Director General, CSIR. The Guest of Honour was Dr. D. R. More, Director, Shivaji University, Kolhapur. The function was presided by Shri. Bhagatsinh Patil, Chairman, Board of Governors, RIT, Shri. R. D. Sawant, Secretary, Kasegaon Education Society and Member of the BoG and Dr. Sushma Kulkarni, Director of RIT. The esteemed members of Board of Governors, Members of Academic Council, Members of Board of Studies of various departments, officials of Shivaji University, Kolhapur, Academicians and Industry persons from Pune Region, parents of graduates and other invitees totaling to around 1500 in number were present for this August gathering.

The academic procession led by the topper amongst all programs held flag of the Institute followed by all dignitaries and graduates. The audience stood up as a mark of respect. After the holy lamp was lighten by the Chief Guest, a welcome song was presented by students of

Music Club of RIT. The dignitaries were briefly introduced followed by their felicitation by the Chairman of BoG. Director presented the annual report of the Institute highlighting the recognitions and rewards received during the last year and also mentioned various initiatives taken by the Institute in academics and research and development.

The graduation ceremony progressed with the Director administering the Oath of Professional Ethics and Life-Long Learning to all the pass-outs. The rankers of seven programs of B.Tech., eleven programs of M. Tech and M.B.A., including the gold-medalist were felicitated with rank medals by the Chief Guest. From this year, the Institute also started a new award of the Best Outgoing UG and PG Student. This year the Gold Medal

was awarded to Shri. Kumbharkar Prashantkumar Ajay from B.Tech. CSE, Shri. Gosavi Pravin Sambhaji M.Tech (Mechanical Design) program. Mr. Chavan Ranjit Raghunath, had the privilege of being the Best Outgoing PG Student for the year 2014-2015. All the Prizes and Medals were sponsored by the alumni of the Institute.

LIBRARY REPORT

About Library :

- The RIT Central Library, with its wide collection of knowledge resources and innovative information services, fills an essential requisite in the intellectual pursuits for our students, faculty and the surrounding community.
- The library has a collection of books, print journals, magazines along with a range of e-collection material including e-journals, online databases, CD-ROM collection, etc., which are accessible through the institute's network and Wi-Fi.

Library Resources: Books Information

Sr. No.	Wing	Total Titles	Total Volumes	Cost
1	B. Tech. Engg.	12,919	53,618	1,90,25,177.98
2	M. Tech. Engg.	3,738	11,071	1,08,36,076.13
3	Diploma	326	2,058	8,65,548.00
4	MBA	5,094	14,570	6,082,983.32
5	BBA	203	1,330	4,56,114.25
	Total	**22,280**	**82,647**	**3,72,65,899.68**

Journals and Magazines:

Print Journals

Sr. No.	Wing	National Journals	Cost
1	Engineering	99	,331,844.00
2	Diploma	13	36,500.00
3	MBA	40	87,681.00
	Total	**152**	**4,56,025.00**

E Journals

Sr. No.	Wing	Full Text	Cost
1	Engineering	5,014	30,97,478.00
2	MBA	6,811	3,17,226.00
	Total	**11,825**	**34,14,704.00**
3	**E Books**	639	1,55,100.00
4	**CD's**	**2.857**	

Library other Activities:

- **Books Exhibitions :**
  RIT's Central Library was organized 'General Reading Book Exhibition' on 5th and 6th October 2015 at RIT's Conference Hall. The exhibition was inaugurated by the Dr. Mrs. S. S. Kulkarni Director in the presence of Dr. M. T. Telsang and Dr. A. C. Attar, Library Advisory Committee members. Faculty, Staff and Students were also visited to the exhibition.
- Mrs. Kekhalekar S. N. attended one day orientation programme on 'API for College Librarians and Introduction to DSpace' organized by B. B. K. Library at Shivaji University, Kolhapur on 8th January 2016.
- All Library Staff attended one day workshop on 'Digital Library Resources' organized by Department of Management Studies, RIT, Rajaramnagar on 11th March 2016.

Digital Library:

Digital Library with 40 computers to provide access to electronic resources such as e-journals, e-books, digitized question papers, NPTEL Video Lectures etc. The students and faculties can search, browse, download or print the article from e-journal or a portion from e-book, subject to copyright restrictions. The GATE CDs are also made available to the students for the preparation of GATE examination which is helpful to the students to face the GATE examination confidently and successfully.

E-Journals :

The following e-journals are subscribed for reference of faculty and students.
- ASCE (Civil)
- ASME (Mechanical)
- Science direct (ETC, Electrical, CSE, IT, Mech., Civil)
- IEEE
- SAE International Journal
- J-Gate Management & social science
- EBSCO Management

New Central Library Building features:

The new Central Library Building Ground plus 3 storey air conditioned and Wi-Fi enabled building.
- **The Lower ground floor** having area of 4134 Sq. ft. for stacking.
- **The Upper ground floor** has availability of circulation counter, waiting room, index search, reference section and digital library
- **The First and Second floors** are primarily dedicated for the reference books. Digital Library, There also have cubicles for research scholar and two ultra modern reading halls on these floors which can accommodate more than 500 Scholar , There is also have study / discussion rooms which can be booked for group work sessions.
- **Third floor have** cafeteria. The cafe and lounge gives a refreshing experience for students for short breaks from their intensive study.

DIGNITARIES ON THE CAMPUS

Mr. Balasaheb Wagh, President, K. K. Wagh Engineering College, Nashik visited to institute on 11th April, 2016

Dr. M. Raja Ravindra Prasad
(Distinguished Scientist, Indian Space Research Organization (ISRO), Department of Space (DOS), Government of India with research experience of more than 40 years) has Guided our UG and PG Students on "Opportunities in Space for Scientists, Engineers & Technologists" (20th & 21st October 2015)

Book "Cooperative Development" Released at the hands of Dr. Mrs. S.S. Kulkarni, Director, RIT authored by Prof. S. K. Kulkarni, Sr. Economist – Islampur on 23rd October, 2015

NIASM, Baramati Scientist visited to Electronics & Tele Communication Department on 17th December, 2015.

Miss. Sonal Gawade, Assistant Engg. MSDCL visited Electrical Engineering Department for Quantum Project Computation

Mr. Mr.Anil Jahir- P.R.O.,Ajinkya D.Y.Patil University,Pune & Mr. Sharad Lad, Head of Yuvak Rashtravadi Congress,Sangli visited as guest for for Prize Distribution for Enthuse 2K15 Event of Electrical Engineering Department on 18th March, 2016

Mr. Kaustubh Bhadbhade, Senior Manager - Human Resources at Persistent Systems Ltd ,Pune for BOS meeting held on 30thApr 2016

Discussion with Mr. Swapnil Choudhary, Manager, Symphony Services, Pune and Dr. S. V. Joshi. Principal, PVPIT, Budhagaon (18 Sept. 2015)

Chief Guest Mr. Anilkumar Valiv, RTO, Pune for the KHYMERA'15 Prize distribution. He delivered the expert lecture on 'Opportunities for engineers in Govt. sector'
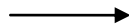
ALUMNI ACTIVITIES

RIT Alumni Association

- Registered RIT Alumni association (Maharastra/55/11/Sangli) with 4000+ alumni members. Each passing out student becomes member of association by filling out Alumni Association membership form
- Conducts expert lecture to enhance learning and knowledge of students
- Organize industrial visits to explore the industry environment to students
- Alumni sponsors Silver medals to rankers of Undergraduate and Post-graduate programs
- Alumni help in training and recruiting students
- Quarterly publishes RIT alumni newsletter "RIT Communique" which reaches to 300+ industries and all of our alumni. Motivates and appreciates alumni by publishing achievements and updates of alumni in "RIT Communique"
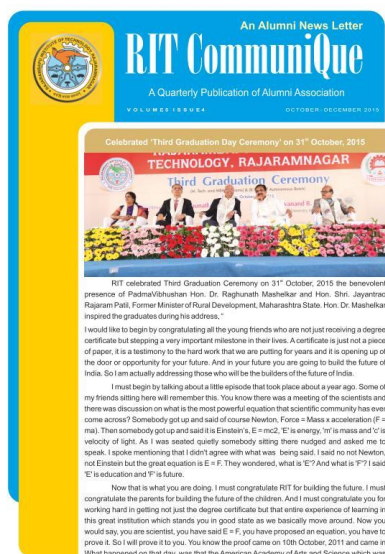
- RIT alumni association has a well-designed web portal for alumni communication and placement opportunities posted by alumni for passing graduates. Alumni can search their batch-mates through this portal http://www.ritalumni.org.
- Organizes annual alumni meet in cities like, Pune, Mumbai and Bangalore
- working with alumni and the potential work that can be done in collaboration with alumni. Awards distinguished alumni with "Prerana Puraskar" every year

Alumni Meet

RIT organized an Alumni Get-Together in coordination with Mr. Prasad Rajappan (Founder & MD, ZingHR) and Venkat Balan (Director - Process Quality & HR, ZingHR) on 23 rd January, 2016 at Goregaon Sports Club, Mumbai. This gathering was blessed by the gracious presence of Hon. Jayant R. Patil (Former Minister of Rural Development, Maharashtra State), Hon. Shri. Bhagatsinh R. Patil (Chairman, Board of Governance, RIT), Hon. Dr. M. P. Ravindra (Sr. Vice President, Member of Mgt. Council and Head of Education & Research, Infosys) and Dr. S. S. Kulkarni (Director, RIT).

RIT Alumni from all around the globe witnessed this Get-Together. Mr. Najir Y. Shaikh (President, RIT Alumni Association) and Mr. Prasad Rajappan welcomed dignitaries and alumni. Hon. Jayant R. Patil refreshed memories of development of RIT in his speech. He also summarized achievements of RIT in the span of 32 years. Dr. S. S. Kulkarni presented growing graph of undergoing research and commercialized products by RIT. She revealed the journey of RIT from an affiliated institute to the Autonomous institute in her speech. Dr. M. P. Ravindra (Vice President, IISc Alumni Association, Bangalore) shared his experience of working with alumni and the potential work that can be done in collaboration with alumni.

Alumni Interactions

Electrical Engineering

Department of Electrical Engineering organized a guest lecture by Ms. Pallavi Jagannath Desai (Alumna, batch-2011) on topics "Recent trends in electricity market and Job opportunities for Electrical Engineers". She is working as an Assistant Engineer at Maharashtra State Electricity Transmission Company, Kolhapur Division on the project "Extra High Voltage line construction". This lecture was organized for Third Year and Final Year B. Tech. Electrical Engineering students.

MATLAB is one of the most used software by Electrical Engineers for visualization and analysis purpose. Department of Electrical Engineering organized a guest lecture on "Application Engineering (MATLAB)" for Third Year and Final Year B. Tech (Electrical Engineering) students on 31st August, 2015 with Mr. Chaitanaya Deshpande (alumnus, batch-2012) as the resource person. He is working as an Executive Application Engineer in ADCC Infocad Ltd. Pune, where he is handling MALAB related technologies.

Entrepreneurial Opportunities

Mr. Nilesh M. Nirale, (alumnus, Automobile Engg. batch-2011) started recently his own car washing facility named "Express Car Washing" in Islampur He interacted with faculties and Final Year students. During his interaction he shared knowledge about the advance technology such as high pressure wash, steam/hot water wash, vacuum foaming, intensive interior cleaning and germ free treatment which he is providing at his service center. He imported one such machine for providing a very high level service which is necessary for the cars.

Management Studies

Mr. Vikram Naikawadi (Alumnus, MBA, batch-2013) presently working as an Entrepreneur for Aapala Bazar (Super Market) Shirala, Dist. Sangli visited the institute on 17th July 2015. At present this supermarket is having 40 branches in Western Maharashtra. He interacted with Head, faculties and students of the department. He shared his experience about increasing opportunities in retail sector in Maharashtra and motivated students for entrepreneurship and starting own business.

Alumni interactions in Australia

Dr. S. S. Kulkarni, Director, RIT interacted with alumni Mr. Rahul Gurav, Mr. Yuvraj Patil and Prof. Sai Reddy during a visit to the University of Adelaide, Australia. During interaction they discussed about the working environment and Engineering opportunities in Australia.

Recent Trends in Structural Engineering

Er. Mahesh R. Jadhav (Alumnus, batch-1997) working as a Project Engineer, Jacobs Engineering India Pvt Ltd, Abu Dhabi UAE conducted an expert lecture on "Recent Trends in Structural Engineering" for Final Year B. Tech Civil Engineering students.

C++ Programming

Mr. Amit Salunkhe (alumnus, ETC, batch-2001), working as a Lecturer at Govt. Polytechnic, Tasgaon delivered an expert lecture on "C++ Programming" for Second Year B. Tech students.

Automobile Engineering

An expert lecture of Mr. Deepak Poche, alumnus of 1996 batch of Automobile Engineering Department was arranged on the topic "Supply Chain Management" for Third Year B. Tech, Final Year B. Tech Automobile and M. Tech Production students on Tuesday, 23rd February, 2016.

Mr. Poche has 15+ years of experience in supply chain management and worked on various assignments in India, United States and China. He gave exposure of how supply chain management takes place on national and international levels and also explained its various aspects. Students got additional practical knowledge which they are unable to take from the academics.

Automobile Engineering

An expert lecture of Mr. Nilesh S. Patil, alumnus of 2011 batch of Automobile Engineering department was arranged on 21st March, 2016 entitled on "Opportunities in Civil Services" for Final Year B. Tech Automobile Engineering students. The session was informative and proved to be immensely beneficial for our students.

Management Studies

Mr. Ranjitsingh Patil (alumnus, Management Studies, batch-2005) presently working as a Team Leader for Chougule Industries Pvt. Ltd. Sangli (Authorized Maruti Dealer) visited the institute. During the visit, department organized discussion session of HOD and faculties. The topic for discussion was the placement opportunities for Management studies (MBA) students at Maruti Suzuki India Pvt. Ltd.

QUALITY CIRCLE ACTIVITIES

Objectives of the Practice / Outcomes

After successful completion of the activity, following are the outcomes that are expected to be achieved.

1. Boosting of faculty morale and development of positive attitude in them.
2. Joy of creative fulfillment and team building.
3. Development of mindset of the faculty for problem solving and its use to create research culture in the institute.
4. Availability of platform to showcase creativity amongst faculty members
5. Awareness about academic problems and their solutions.
6. Development of experimental setup and learning resource material
7. Reduced conflict, infighting and absenteeism.
8. Recognition to team members and the institute at national and international levels through participation in several competitions

The Context

The Quality Circles provides a systematic problem solving methodology to solve work area related problems. The technique is used in the industries and is widely accepted because it helps in the problems that finally results in monetary savings for the industries. The main challenge in the activity in an educational institute like us was to convince the faculty about the intangible benefits that the students, faculty and the institute as a whole is going to get after solving the problems.

The design of the activity was done by keeping in mind the issue of participation of the faculty members and motivation needed to them. The faculty members, after participating in the activity / winning the prizes are going to get proportionate points to enrich their Academic Performance Index. Apart from this, the first three winning teams at institute level are awarded with a trip with per head expenses of Rs. 1000, Rs. 750 and Rs.500 respectively.

This helped to ensure necessary participation from the faculty in the activity.

The Practice

A quality circle is a volunteer group composed of faculty members, who are trained to identify, analyze and solve work-related problems and present their solutions to the management in order to improve performance of the organization. Rajarambapu Institute of Technology (R.I.T.), Islampur, Maharashtra, India is successfully implementing this activity from last more than fifteen years.

As a part of quality circle activity in the institute, faculty groups from nine departments work collaboratively to apply quality circle methodology and develop as well as implement the solutions in order to contribute to the academic empowerment. Quality Circle teams every year are given a theme to work upon such as, 'How to make learning enjoyable in the class', 'Technology development', 'Waste management' etc.

As stated earlier, there are not many educational institutes where Quality Circle is implemented with such a consistency as R.I.T. did from past more than fifteen years. This activity is the unique feature of the institute and it has shown useful results in terms of solution to several problems that are addressed so far. Some of the problems (Table 1) are listed below gives an idea about the contribution of the activity in improvement in teaching-learning. Fig. 1 shows a photograph of faculty presentation in an annual presentation.

Sr. No.	Title of the Problem
1	Prototype model of the Wet Scrubber for Industrial Chimney
2	Development of Seat Belt Anchorage Test Set-up according to standard FMVSS 210
3	Attendance Recording System
4	Difficulties in large geographical area by traditional irrigation methods
5	Simulating E-Tutor Software to prepare notes for effective teaching-learning process
6	Socio-Technological Projects from Engineering Students
7	Poor response of students to study type experiments
8	A study of inability of students to convert theoretical concepts into practical applications
9	Failure of students in Mathematics

Problems Encountered and Resources Required

Following are hurdles in implementation of Quality Circles in engineering education.

♦ Mentality to compare the outputs received more or less in terms of monetary achievements and savings after implementation and hence resistance to the activity.
♦ Academic institutes are not profit making organizations, so the funds required for quality circle activities are not affordable to all the institutes.
♦ Lack of awareness and training among faculty, regarding quality circle approach and its usefulness to bring positive change.
♦ Many academicians view education as an intangible, and so, not applicable to the productivity boosting techniques employed by industry.
♦ Tendency to emphasize more on individual achievements that runs contrary to participation in groups.
♦ Academic schedule is not particularly conducive to quality circles, wherein most busy period of the term end and vacation breaks are not able to maintain continuity in activities
♦ Highly educated circle members may hamper circle progress due to their tendency to become over philosophical about the purpose of quality circle.

Evidence of Success

The institute is a regular member of Quality Circle Forum of India (QCFI), Secunderabad and takes part in competitions organized by it at chapter and national level every year. From last few years, several groups from R.I T. have represented the institute at the Chapter, National and International level conventions and received several awards. Some of the awards received are listed.

Department	Problems undertaken	Awards Bagged
Automobile Engineering	Poor response of students to study type experiments	Silver Award at Chapter convention
		Par Excellence Award at National
		Gold Medal Award at Int. convention
Civil Engineering	Prototype model of the Wet Scrubber for Industrial Chimney	Silver Award at Chapter convention
		Excellence Award at National convention
Computer Sci. and Engineering	Lack of facilities for monitoring the patients	Silver Award at Chapter convention
	Inadequate departmental information system	Excellence Award at National convention
Mechanical Engineering	Inadequate quality of turmeric in conventional cooking process	Gold Award at Chapter convention
		Excellence Award at National convention
		Golden Award at All India Seminar on Quality Progress

R.I.T. also has foreseen and experienced the hurdles mentioned above but could overcome them due to strong willingness and positive approach towards the activity. Solution to some of the problems requires financial provision to be made for the purchase of different components or fabrication of a setup. A budgetary provision of Rs. 2 Lakhs is made for Quality Circle activity to take care of such expenses.

ACADEMIC AUDIT

The process of Academic Audit captures the classroom dynamics in an environment of ease and comfort. Class room dynamics here refers to delivery effectiveness, learning experience of students with different learning preferences and styles, factors that hinder the effectiveness of both teaching and learning. A detailed audit process is laid down including the guidelines to auditors and post audit counseling to faculty. The audit is designed to capture the five important dimensions of a teacher namely; subject knowledge, preparation and delivery, communication, class control and concern for students and opportunity to interact. Based on the scores the faculty competency improvement is planned and appropriate actions are initiated to train the faculty in the specified dimensions. The outcome of the audit is evident in terms of improved learning outcomes, enhancement of teaching deliveries and competency, collaborative learning, good academic environment. The Institute is practicing Academic Audit since 2009-10. Inspite of initial teething problems during implementation, the audit model is tending towards maturity with a substantial co-operation from both faculty and students. The improvement in teaching index of the institute since implementation is represented. The outcome of the audit is evident in terms of improved learning outcomes, enhancement of teaching deliveries and competency, collaborative learning, good academic ambience.

This year from 2015-16 sem-I we have revised the processes as student learning assessment and finding Student Learning Assessment Index on the basis of 8 questions designed for this purpose. In this system randomly 20 students have been selected for response on response sheet. In the response sheet Likert scale from 4 to 10 have been designed. After getting response from students assessor will collect and make averages and give average Student Learning Assessment Index for each subject of that class.

After getting average of Student Learning Assessment Index assessors has to submit this final sheet to Dean Academic. Then along with dean academics assessor has to mentor the faculty whose score is below 7 and take corrective action and see that Student Learning Assessment Index has been improved or not. In the corrective action faculty may asked to give sample lecture or may be call for counseling by director.

Centrally Dean Academics is the chairman of this committee and senior professors from college, all deans and all HODs are member of this committee and coordinator is Academic coordinator for this committee.

Methodology is assessor has to report to Dean Academics then Dean Academic in consultation with director will call the faculty and mentor for teaching learning processes.
Outcome is faculty will get their lacunas in teaching learning processes and will improve himself.
Calculation of Learning index
- Every question being equally important carries an equal weight of 0.125
- The Learning index can be calculated as
$$\sum (0.125) q_i$$
Where q_i is the rating given to i^{th} question

Procedure followed
- Select **randomly** 20 no. of students from each class.
- Distribute feedback form to these students.
- Read and explain each question and ask students to reply and also calculate the score.
- You may collect students special remarks, suggestions other than covered in the questions.
- Calculate average L.I. per subject.
- Best L.I. will be 10, Average L.I. will be 7 faculty score less than 7 will be unacceptable.
- Faculty scoring less than 7 needs further counseling, mentoring by concerned assessor.
- Faculty to prepare and submit action plan for further improvement to Dean-Academic & copy to concerned HOD.

At the end of semester again quick feedback will be taken from the **same group of students** by concerned assessor only for low performing faculty members to check for any improvement happened.

Following is the audit score of faculty for academic year 2015-16 (Sem-I & II)

Sr. No.	Department Name	No. of Faculty	No. of faculty having score 7 or less than 7	Scores Average	Percentage of faculty below 7
1.	Automobile	22	02	8.927	9.09
2.	Civil	29	01	7.684	3.45
3.	CSE	18	03	7.776	16.67
4.	Electrical	17	04	8.054	23.53
5.	ETC	17	02	8.212	11.77
6.	IT	16	00	8.769	00.00
7.	Mech	57	02	8.029	3.51
8.	MBA	15	05	8.653	33.33
9.	Science & Humanities	17	03	8.121	17.65

JOURNAL OF ENGINEERING EDUCATION TRANSFORMATIONS

Under the leadership of Prof. Krishna Vedula (Editor in Chief) and Dr. Sushma Kulkarni (Editor) the Journal of Engineering Education Transformations has gained popularity around the globe. Total submissions to the regular journal increased by approximately 46%. We introduced a trial to scan all accepted papers through anti-plagiarism software before publication. JEET has launched a moodle platform developed by Prof. S.A. Thorat, where all the faculties can post their views and can have discussion. We are planning to launch social media account for the same
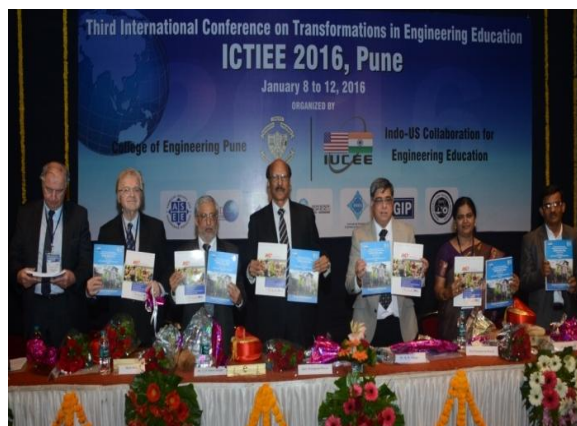
Journal and Editorial Performance
The team of the Journal is composed of eminent personalities all over the world.

There are currently 270 institutional and individual subscriptions to The Journal of Engineering Education Transformations. This compares with 234 at the end of 2015. As in previous years we expect further renewals and new subscriptions to be confirmed well into the final quarter of the year.

Plagiarism Checking
We introduced a new system under which we scan all accepted papers through anti-plagiarism software before publication. We are using Turnitin software. The software has mainly flagged up issues related to authors omitting to reference their own prior work. These omissions have been rectified before publication.

Indexing :
The Journal is listed in i-Scholar and J-gate. The indexing for Google Scholar and Scopus is in process.

Looking Forward
The main job of the Editors and Managers is to ensure that turn-around times remain low and that the best quality papers are accepted for publication; this will remain the focus of our efforts and attention. Looking forward, we are considering ways that we can work with the publishers to raise the profile of the journal nationally and internationally. We are also running targeted marketing campaigns and considering ways to develop the ancillary resources that are available with published articles.

INSTITUTIONAL ADMINISTRATION

Organization Structure
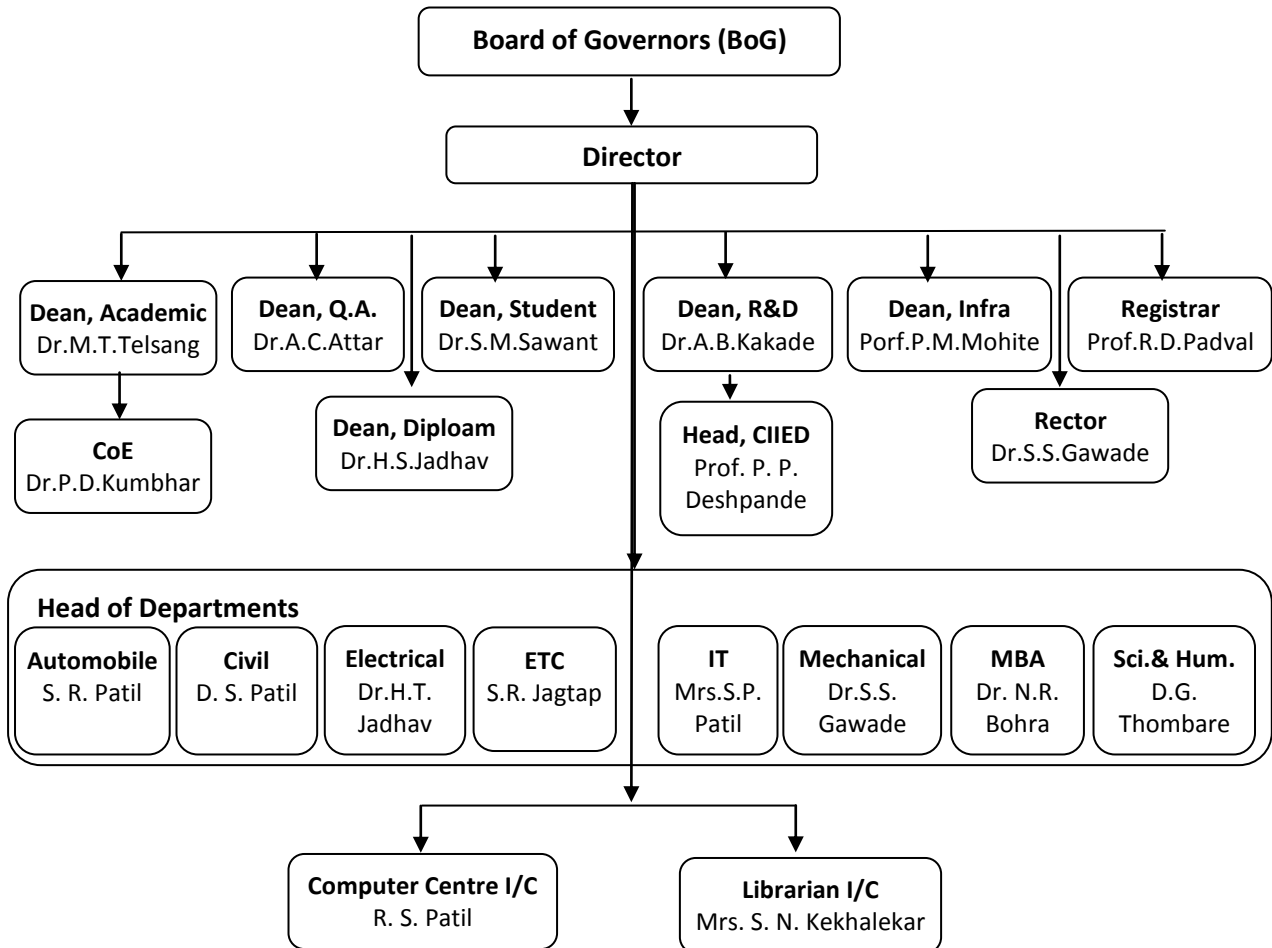
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                    Board of Governors (BoG)
                              |
                           Director
                              |
   ┌──────────┬──────────┬──────────┬──────────┬──────────┬──────────┐
Dean,       Dean, Q.A.  Dean,      Dean, R&D  Dean, Infra  Registrar
Academic    Dr.A.C.     Student    Dr.A.B.    Porf.P.M.    Prof.R.D.
Dr.M.T.     Attar       Dr.S.M.    Kakade     Mohite       Padval
Telsang                 Sawant
   |                                  |                        |
  CoE      Dean, Diploam         Head, CIIED              Rector
Dr.P.D.    Dr.H.S.Jadhav         Prof. P. P.             Dr.S.S.Gawade
Kumbhar                          Deshpande
```

Head of Departments

Automobile	Civil	Electrical	ETC	IT	Mechanical	MBA	Sci.& Hum.
S. R. Patil	D. S. Patil	Dr.H.T. Jadhav	S.R. Jagtap	Mrs.S.P. Patil	Dr.S.S. Gawade	Dr. N.R. Bohra	D.G. Thombare

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        ┌──────────────────────┴──────────────────────┐
Computer Centre I/C                          Librarian I/C
R. S. Patil                                  Mrs. S. N. Kekhalekar
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Board of Governors
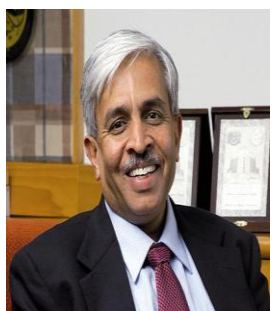
Academic Council

Dr. Mrs. S.S. Kulkarni
Chairman

Dr. MartandTelsang
Member Secretary

Dr. Anant R. Koppar
Industry nominee

Dr. Milind Sohini
Member

Dr. Vishwas Udpikar
Industry nominee

Dr. Suhas S. Patil
Member, SU Nominee

Dr. V.R. Ghorpade
Member, SU Nominee

Dr. P. N. Chougale
Member,SU Nominee

Dr. S. M. Sawant
Member

Dr. A. C. Attar
Member

Prof. P. M. Mohite
Member

Dr. A. B. Kakade
Member

Prof. R. D. Padval
Member

Dr. P. D. Kumbhar
Member

Prof. S. R. Patil
Member

Prof. D. S. Patil
Member

Dr. N. V. Dharwadkar
Member

Prof. H. T. Jadhav
Member

Prof. S. R. Jagtap
Member

Dr. S. S. Gawade
Member

Prof. Mrs. S. P. Patil
Member

Prof. D. G. Thombare
Member

Dr. Nishikant Bohra
Member

Dr. S. A. Pardeshi
Member

Prof. P. P. Deshpande
Member

Dr. P. S. Patil
Member

Dr. H. S. Jadhav
Member

Prof. P. M. Jadhav
Member

Dr. S. D. Yadav
Member

Prof. R. T. Patil
Member

Deans and Head of Departments

Dr. M.T. Telsang
Dean Academics

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