



Rayat Shikshan Sanstha's  
**Yashwantrao Chavan Institute of Science, Satara**  
(Autonomous Institute), Maharashtra, India

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Online International Conference on  
**“Emerging Trends and Challenges in Electronics and  
Computing”**

(EETEC-2021)



(4-6 March, 2021)

Sponsored by Rashtriya Uchchatar Shiksha Abhiyan (RUSA),  
&

Technically Sponsored by  
IEEE, Pune Section and SPEED, Pune



- From -

Prin. Dr. B. T. JADHAV  
Yashwantrao Chavan Institute of Science, Satara (Autonomous Institute)  
President, EETEC-2021



Rayat Shikshan Sanstha's  
Yashwantrao Chavan Institute of Science, Satara  
(Autonomous Institute), Maharashtra, India

**Department of Electronics**

Organizes  
International Conference on

**“Emerging Trends and Challenges in Electronics and Computing”**

Sponsored by Rashtriya Uchchatar Shiksha Abhiyan(RUSA), Technically Sponsored by  
IEEE, Pune Section and SPEED, Pune

(4,5 and 6 March 2021) (ETEC-2021)

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**Convener**  
Mr. S. K. Shinde

**Vice-President**  
Mr. J. A. Wagh

**President**  
Prin. Dr. B. T. Jadhav

## Schedule of the Conference (Online)

Day 1: Thursday, 4 <sup>th</sup> March 2021		
Session	Time (IST)	Activity
		<b>Pre Conference (Satellite)- Session-I</b>
	3.00PM - 4.00PM	Topic: <b>Thermal electron beam processing of metal materials – technology, analysis, modeling, and Optimization</b> Speaker - <b>Hon. Dr. Katia Zheleva Vutova</b> Professor, Bulgarian Academy of Sciences, Bulgaria (Europe)
		<b>Pre Conference (Satellite)-Session-II</b>
	4.00PM - 5.00PM	Topic: <b>Recent Trends in Computing Systems</b> Speaker – <b>Hon. Dr. Ajay Jadhav</b> Principal, DIET, Satara, MS, India
		President: <b>Hon. Dr. B. T. Jadhav</b> Principal, Yashwantrao Chavan Institute of Science, Satara
Day 2: Friday, 5 <sup>th</sup> March 2021		
		<b>Inaugural Function</b>
	9.30AM 10.00AM	Chief guest: <b>Hon. Dr. V. S. Shivankar</b> Secretary, Rayat Shikshan Sanstha, Satara Chief guest: <b>Hon. Dr. A. C. Attar</b> Principal, Karmaveer Bhaurao Patil College of Engineering, Satara President: <b>Hon. Dr. B. T. Jadhav</b> Principal, Yashwantrao Chavan Institute of Science, Satara
1		<b>Key Note Address</b>
	10.00 AM 11.00AM	Topic : <b>IoT, Smart Home and Smart City: From Sensors to computing</b> Speaker: <b>Hon. Dr. Subhash Mukhopadhyay</b> Professor, Electronics Engineering, Macquarie, University Australia IEEE Fellow.
		President: <b>Hon. Dr. B. T. Jadhav</b> Principal, Yashwantrao Chavan Institute of Science, Satara

2	10.45AM- 11.30AM	<b>Plenary Talk</b>
		<b>Topic : Intelligent Robotic Implements: The Inevitable Next Generation of Agricultural Tools</b>
		<b>Speaker: Prof. A. D. Shaligram</b> CEO, Research Park, Savitribai Phule Pune University, Pune, MS, India
		Session Chair: <b>Dr. P. B. Buchade</b> Principal, Abasaheb Garware College, Pune
		Co-Chairperson: <b>Dr. V. Y. Deshpande</b> Dean, Admin, Y.C.I.S, Satara
3	11.30AM - 12.15PM	<b>Plenary Talk &amp; Oral Presentation</b>
		<b>Topic: Rapidly Prototyped Lab on a Chip Devices for Biochemical Applications</b>
		<b>Speaker: Prof. Sanket Goel</b> BITS Pilani, Telangana, India
		Session Chair: <b>Prof. P. N. Vasambekar</b> Head, Dept of Electronics, Shivaji University, Kolhapur
		Co-Chairperson: <b>Dr. A. P. Torane</b> Dean, U.G., Y.C.I.S, Satara
4	12.15PM - 1.15PM	<b>Oral Presentation (OET 01 - OET 05)</b>
		Session Chair: <b>Prof. M. L. Dongare</b> Head, Department of Electronics, SM Joshi College, Hadapsar, Pune
<b>1.15PM - 2.15PM</b>		<b>LUNCH BREAK</b>
5	2.15PM - 3.00PM	<b>Oral Presentations (OCT 01 - OCT 05)</b>
		Session Chair: <b>Prof. S. K. Tilekar</b> Head, Dept. of Electronics, S.M. College, Akluj
6	3.00 PM - 3.45PM	<b>Plenary Talk</b>
		<b>Topic - Industrial Internet of things, AI Machine Vision applications to Industry</b>
		<b>Speaker: Prof. Raj Kamal</b> Former Vice Chancellor, Devi Ahilya Vishwavidyalaya, Indore, MP, India.
		Session Chair: <b>Dr. B. P. Ladgaokar</b> Principal, KWC college, Sangli
		Co-Chairperson: <b>Dr. J. J. Chavan</b> Coordinator, IQAC, Y.C.I.S, Satara
<b>3.45 PM - 4.00 PM</b>		<b>TEA BREAK</b>
7	4.00PM - 6.00PM	<b>Poster Presentation</b>
		<b>Venue: Main Building / Digital Platform</b>
		Session Chair/ Expert:
		<b>Dr. A. M. Shaikh</b> BOS chairman in Electronics, Shivaji University, Kolhapur
		<b>Dr. M. K. Bhanarkar</b> Department of Electronics, Shivaji University, Kolhapur
<b>Dr. S. A. Shinde</b> Department of Electronics, Shivaji University, Kolhapur		
<b>Day 3 : Saturday, 6<sup>th</sup> March 2021</b>		
8.30AM - 9.00AM		<b>BREAKFAST AND TEA</b>
	9.00AM - 10.00AM	<b>Invited Talk</b>
		Invited Talk: <b>Biomedical Application of AI</b>

1		Speaker: <b>Smt. Vidyangi Patil</b> Author , Startup, venture and leadership coach Silicon Valley, USA
		Session Chair: <b>Dr. S. S. Patil</b> Head, Department of Electronics Engineering, KBPCOE, Satara, MS, India.
		Co-Chairperson: <b>Dr. S. R. Bhongale</b> Dean, Diploma and Skill Courses, Y.C.I.S, Satara
2	10.00AM-11.00AM	<b>Oral Presentations (OET 06 – OET 10)</b>
3	11.00AM-11.45AM	<b>Industry Talk</b>
		<b>Industry Talk: From Industry 4.0 buzzwords to Practical Application</b>
		Speaker: <b>Mr. Jaideep Baphna, CFA</b> Director, Mutha Group of Industries, Satara, MS, India
		Session Chair: <b>Dr. S. H. Mujawar</b> Research and Development, Dean, Y.C.I.S, Satara
		Co-Chairperson: <b>Mr. U.R. More,</b> Head, Department of Electronics and telecommunication Engg, DIET, Satara
4	11.45AM-12.30PM	<b>Industry Talk: Industry 4.0: Opportunities and Challenges (Virtual)</b>
		Speaker: <b>Mr. Kedar Gokhale</b> Regional Manager, Power Train COE - TATA Technologies, Pune, MS, India.
		Session Chair: <b>Dr. V. S. Kale</b> Principal, Arts Commerce College, Mukhamalabad, Nashik.
		Co-Chairperson: <b>Dr. D.R. Hasbe</b> Dean, P.G., Y.C.I.S, Satara
<b>12.30PM - 1.30PM</b>		<b>LUNCH BREAK</b>
5	1.30PM - 2.30PM	<b>Oral Presentations (OET 10 – OET 13, OCT 06, OCT 07)</b>
2.30PM - 3.30PM		<b>Valedictory Function</b>
		Chief Guest: <b>Prof. R. K. Kamat</b> Dean, Faculty of Science, Shivaji University, Kolhapur, MS, India.
		President: <b>Hon. Dr. B. T. Jadhav</b> Principal, Yashavantrao Chavan Institute of Science, Satara
<b>3.30 PM</b>		<b>HIGH TEA</b>