

## **REPORT**

### **National Conference on Research innovations in ICT and computing Technologies (NCRIICT-2023) March 27-28, 2023**

Two days National Conference on Research innovations in ICT and computing Technologies (NCRIICT-2023) was organized by Department of Computer Science, Shri Shivaji Education Society Amravati's SCIENCE COLLEGE, Congress Nagar, during 27-28 March, 2023.

The conference was inaugurated by Chief Guest, Hon'ble Prof. Subhash Chaudhari, Vice Chancellor, RTMNU Nagpur, Guest of Honour Dr. Rajiv V. Dharaskar, Director, Indian Institute of Information Technology (IIIT), Kottayam, Kerala, Hon'ble Shri Hemant Kalmegh, Executive Member, Shri Shivaji Education Society Amravati, Hon'ble Prof. M. P. Dhore, Principal SSEA's Science College, Nagpur, Prof. S. R. Pande, Convener of the conference, Prof. R. N. Jugele, Co-Convener of the conference, Dr. A. A. Halder, Organizing Secretary and Dr. J. K. Keche, Joint organizing Secretary of the conference on dated March 27, 2023 at 10:30 am.

The various eminent Professors Prof. Manu Pratap Singh, Director, Institute of Engineering & Technology, Dr. Bhimrao Ambedkar University, Agra, Prof. Ramesh Manza, Professor, Department of Computer Science and Information Technology, Dr. BAM University, Aurangabad, Prof. Vinay Chavan, Principal, S. K. Porwal College, Prof. A. B. Sasankar, Dr. G. S. Katkar, Prof. Satish J. Sharma, Professor and Head Department of Electronics and Computer Science, RTMNU Nagpur, Prof. V. M. Thakare, Ex. Professor & HOD, Department of Computer Science. & Engg. SGB Amravati University, Amravati. Maharashtra, India, Dr. Sagar Jambhorkar, Department of Computer Science, National Defence Academy, Pune, Mr. Amit Kale. Associate Vice President, Engineering, Global Logic, Nagpur, Dr. S. B. Kishor, Head, Dept. of Computer Science, Sardar Patel College, Chandrapur, Maharashtra, Dr. Mrs. A. S. Khandelwal, Dr. Ujjwal Lanjewar graced the event by their presence and Highly informative and brainstorming talk was delivered by an eminent Professors from different Universities .

In these two days, there were one key note address, six invited talks, eight technical sessions. We invited technical papers on domains like Image processing, Big data analytics, Machine learning, IoT, Network security, Cloud computing, Data Mining, Blockchain etc. A total of 252 papers were received from all over the country. The paper presentations were done parallel in 4 venues under the panel of internal and external judges. All papers presented in the conference are also published in the conference proceeding with an ISSN: 2394-8051. and also these papers were published in the "Special Issue of Journal of Innovation in Sciences (Online)". A soft copy of the proceeding and participation certificate has been given to each participant.

All the technical sessions were highly informative and interactive. Students actively participated in the technical as well as oral sessions and cleared their doubts and queries. They were asked questions by the experts and other participants. Various suggestions were also made by experts to do better in their research work.

On the second day afternoon, Valedictory function was organized at 3.30 PM in which Prof. Ramesh Manza, Professor, Department of Computer Science and Information Technology, Dr. BAM University, Aurangabad, and others have distributed the prizes to researchers and winners of the paper presentation. More than 200 college teachers and student researchers have taken part in the mega conference event. More than 250 papers were published in Special Issue of Journal of Innovation in Sciences (Online). A soft copy of the proceeding and participation certificate has been given to each participant.

### Conference Banner



## NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES (NCRICT-2023)

March 27 – 28, 2023

Shri Shivaji Education Society, Amravati's  
**SCIENCE COLLEGE**  
Congress Nagar, Nagpur-440012

### Glimpses of NCRICT-2023



Lighting the Lamp – Inaugural Ceremony



**Souvenir Publication in NCRICT-2023**



**Prof. Subhash Choudhary, Vice Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur expressing their views in inaugural program**



Latitude: 21.128128  
 Longitude: 79.08219  
 Elevation: 333.16±1.1 m  
 Accuracy: 20.0 m  
 Time: 28-03-2023-17:41  
 Note: NSS CAMP 2023

**Group photograph of Organizing Committee with Guest Prof. Ramesh Manza and Dr. Sagar Jambhorkar**

  
 Dr. Panjabrao Alias Bhausaheb Deshmukh's 125th Birth Anniversary Year  
 Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary Year

*Invitation*

## Inaugural Function

You are cordially invited for Inaugural function of  
**NATIONAL CONFERENCE**  
 ON  
**RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES  
 (NCRICCT-2023)**  
 at the hands of  
**Chief Guest**  
**Hon'ble Prof. Subhash Chaudhari,**  
 Vice Chancellor,  
 Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

**Guest of Honour and Key Note Speaker**  
**Dr. Rajiv V. Dharaskar**  
 Director,  
 Indian Institute of Information Technology (IIIT), Kottayam, Kerala

**Hon'ble Shri Hemant W. Kalmegh**  
 Executive Member,  
 Shri Shivaji Education Society, Amravati  
 has kindly consented to preside over the function.  
 Please grace the function with your presence.

March 27, 2023 Time : 10.30 A.M.  
 Venue : Conference Hall, Science College, Congress Nagar, Nagpur

<b>Dr. A.A. Halder</b> Organizing Secretary NCRICCT-2023	<b>Prof. S.R. Pande</b> Convener NCRICCT-2023	<b>Prof. M.P. Dhore</b> Chairman NCRICCT-2023
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Department of Computer Science  
 Shri Shivaji Education Society, Amravati's  
**SCIENCE COLLEGE**  
 Congress Nagar, Nagpur 440012

  
 Dr. Panjabrao Alias Bhausaheb Deshmukh's 125th Birth Anniversary Year  
 Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary Year

*Invitation*

## Valedictory Function

You are cordially invited for Valedictory Function of  
**NATIONAL CONFERENCE**  
 ON  
**RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES  
 (NCRICCT-2023)**  
**Chief Guest**  
**Hon'ble Prof. Sanjay S Dudhe,**  
 Pro-Vice Chancellor,  
 Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

**Guest of Honour**  
**Hon'ble Prof. Prashant Maheshwary**  
 Dean, Faculty of Science & Technology,  
 Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Please grace the function with your presence.

March 28, 2023 Time : 03.30 P.M.  
 Venue : Conference Hall, Science College, Congress Nagar, Nagpur

<b>Dr. A.A. Halder</b> Organizing Secretary NCRICCT-2023	<b>Prof. S.R. Pande</b> Convener NCRICCT-2023	<b>Prof. M.P. Dhore</b> Chairman NCRICCT-2023
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Department of Computer Science  
 Shri Shivaji Education Society, Amravati's  
**SCIENCE COLLEGE**  
 Congress Nagar, Nagpur 440012

# Information Brochure

## Advisory Committee

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| • Prof. Rajesh R.            | • Dr. D. D. Suddhalwar       |
| • Prof. Sumit Gill           | • Dr. Parag Bhalkhandra      |
| • Prof. S. B. Thorat         |                              |

### Call for Papers

Papers are invited on the conference theme for oral and poster presentation. Papers must be submitted in the form of soft copy as an email attachment.

### Conference Publication

The e-proceedings containing full papers will be published at the time of conference.

### Instructions to Authors

- Paper size: A4
- Margins: Left 1.5", Right 1", Top 1", and Bottom 1"
- Font style: Times New Roman, single spacing in Two columns
- Font Size:
  - Title 14 (Bold)
  - Name of Authors and Affiliation 12
  - Sub Heading 12 (Bold)
  - Abstract 9 (Bold) (Max. 150 words)
  - Paper Text 11
  - References 10 (Sr. No., Name of authors starting with initials, Name of the Journal and Volume of the Journal).
- Format: The paper should be typed in MS-Word document including all text, tables, figures, graphs, photos etc.

### For Further details please contact:

Dr. A. A. Halder, Organizing Secretary (NCRICIT-2023)  
S.S.E.S. Am't Science College Congress Nagar, Nagpur  
440012, INDIA  
Telephone : +91 0712-2423432 (O), 9175128636 (M)  
Email : ncricit2023@gmail.com Website : www.sscnagpur.ac.in

## About the College

SSE Am't Science College Congress Nagar, Nagpur is one of the 300+ institutions run by Shri Shivaji Education Society Amravati. It is a premier institution of higher learning in Central India. The college is accredited by NAAC as A+ grade college with CGPA of 3.51. The college is identified by UGC as a "College with Potential for Excellence" (CPE) since 2004.

The college is a member of "Asia Pacific Quality Network" of reputed institutes in Asian countries. College is identified as a mentor college under Paramarsh Scheme of UGC New Delhi for helping non-accredited colleges for NAAC and other quality frame work. The College imparts science education from XI<sup>th</sup> standard to PG level. The college is having center of higher learning and research in five subjects. The college has organized eight DST sponsored residential INSPIRE camps for the students. The college gives admission to the students from different strata of the society. Special efforts are taken by college for career counseling and placement. The college has a record of highest number of merit positions in board and university examinations. The students have won prizes and awards in sports and cultural events at university, national and international level. Well qualified and experienced staff members of every department are also awarded by national, international awards and fellowships for higher learning and research.

### Registration: A registration fee per participant of

- Rs. 1,500/- for faculty members / Professionals
- Rs. 1,200/- for research scholars
- Rs. 1,000/- for PG students

is to be paid through Net Banking/UPI. The registration fee does not include accommodation. However assistance for the accommodation of participants will be provided by the organizing team.

Selected papers will be published in UGC CARE/ SCOPUS or WEB OF SCIENCE Journal by paying extra fees.

## Important Dates:

- |                               |                     |
|-------------------------------|---------------------|
| Last date of Paper Submission | : 05/03/2023        |
| Notification of Acceptance    | : 10/03/2023        |
| Last date of Registration     | : 15/03/2023        |
| Conference Dates              | : March 27-28, 2023 |



Dr. Panjabrao Alwar Bhusaheb Deshmukh's 125<sup>th</sup> Birth Anniversary Year  
Rashtrasant Tukadoji Maharaj Nagpur University Centenary Year

## NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRICIT-2023)

March 27-28, 2023

Organized by



## Department of Computer Science

Shri Shivaji Education Society, Amravati's

## SCIENCE COLLEGE

Congress Nagar, Nagpur 440012

Accredited by NAAC as A+ Grade with CGPA of 3.51  
Identified A College with Potential for Excellence by UGC, New Delhi  
Mentor College under UGC Paramarsh Scheme  
Recognized Centre for Higher learning  
Member of APQN

As a part of Dr. Panjabrao Alwar Bhusaheb Deshmukh's 125<sup>th</sup> Birth Anniversary Year and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary Year Celebrations, Shri Shivaji Education Society Amravati's Science College Congress Nagar, Nagpur is organizing

## NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES (NCRICIT-2023) During March 27 - 28, 2023.

### Objectives:

The main aim of the conference is to provide an opportunity to students, research scholars and teachers to get an exposure of exciting field of Computer Science and Electronics with recent developments in the field.

The conference will also provide an impetus to teachers/students who are looking for an area to do research. Those who have already initiated in research, it would provide a good opportunity for interaction with the experts.

### For whom:

The conference lectures would be addressed at an advance level and would be accessible to highly motivated M.Sc., MCA, B.Sc. and BCA students as well as college teachers, university teachers and researchers.

### Topics to be covered (but not limited to):

- Parallel Computing
- Wireless Communication
- Real Time Systems
- Cloud Computing
- Micro Controller
- VLSI
- Embedded System
- Hypertext and Hypermedia
- Multimedia Document Architecture
- Image Processing
- Mobile Computing
- Soft-Computing
- Data Mining
- Natural Language Processing
- Human Computer Interaction
- Machine Learning
- Data Science
- Bio-Medical Instrumentation
- Forensic Science
- Network Security
- Deep Learning
- Block Chain

- Patron :**
- Hon'ble Shri Harshvardhan P. Deshmukh  
President, Shri Shivaji Education Society, Amravati.
  - Hon'ble Prof. Subhash Chaudhari  
Vice Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
  - Hon'ble Prof. Sanjay Dudhe  
Pro-Vice Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

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| Prof. R. N. Jugele           | - Co-Convenor                | : 9423101139 |
| Dr. A. A. Halder             | - Organizing Secretary       | : 9175128636 |
| Dr. J. K. Keche              | - Joint Organizing Secretary | : 9850325524 |
| Dr. S. R. Gedam              | - Treasurer                  | : 9890803473 |

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| Dr. P. H. Ghoskar           | Mrs. A. A. Khandpasse        |
| Dr. D. S. Sathankar         |                              |

## NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES (NCRICIT-2023) March 27-28, 2023

To participate in this Conference

Kindly fill your details in this google form to register for the NCRICIT-2023  
REGISTRATION LINK:  
<https://forms.gle/T3CBWvmzGK8RuEr5>  
Email for Paper Submission: ncricit2023@gmail.com

## FOR RTGS/NEFT/UPI - BANK DETAILS ARE :

Bank Name	Central Bank of India
Bank Account Name	Principal S.S.E.S. Am't Science College, Nagpur
Account Number	3753531013
IFSC Code	CBIN0283465
MICR Code	440016011
Address	DNC Branch Nagpur



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President, Shri Shivaji Education Society, Amravati.

**2. Hon'ble Prof. Subhash Chaudhari**

Vice Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

**3. Hon'ble Prof. Sanjay Dudhe**

Pro-Vice Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

**Local Organizing Committee:**

<b>Chairman</b>	<b>: Prof. M. P. Dhore, Principal</b>
<b>Convener</b>	<b>: Prof. S. R. Pande</b>
<b>Co-Convener</b>	<b>: Prof. R. N. Jugele</b>
<b>Organizing Secretary</b>	<b>: Dr. A. A. Halder</b>
<b>Joint Organizing Secretary</b>	<b>: Dr. J. K. Keche</b>
<b>Treasurer</b>	<b>: Dr. S. R. Gedam</b>

**Keynote Address: Dr. Rajiv V. Dharaskar**, Director, Indian Institute of Information Technology (IIIT), Kottayam, Kerala.

**Invited Talk:**

1. **Prof. Manu Pratap Singh**, Director, Institute of Engineering & Technology, Dr. Bhimrao Ambedkar University, Agra
2. **Ramesh Manza**, Professor, Department of Computer Science and Information Technology, Dr BAM University, Aurangabad (MS)
3. **Prof. V. M. Thakare**, Former Head, PGTD-CSE, Sant Gadge Baba Amravati University, Amravati
4. **Dr. Swati Sherekar**, Professor & Director, IIL Department of Computer Science & Engineering, SGB Amravati University, Amravati
5. **Dr. Sagar Jambhorkar**, Department of Computer Science National Defence Academy, Pune
6. **Dr. S. B. Kishor**, Head, Dept. of Computer Science, SP Mahavidyalaya, Chandrapur

**Conference Date: March 27-28, 2023**



**NATIONAL CONFERENCE ON  
RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES  
(NCRICT-2023)**

March 27 – 28, 2023

**REGISTRATION COUNTER**

**Shri Shivaji Education Society, Amravati's  
SCIENCE COLLEGE  
Congress Nagar, Nagpur-440012**



**Organizing Committee with Registration Counter**



**Guest & Audience**



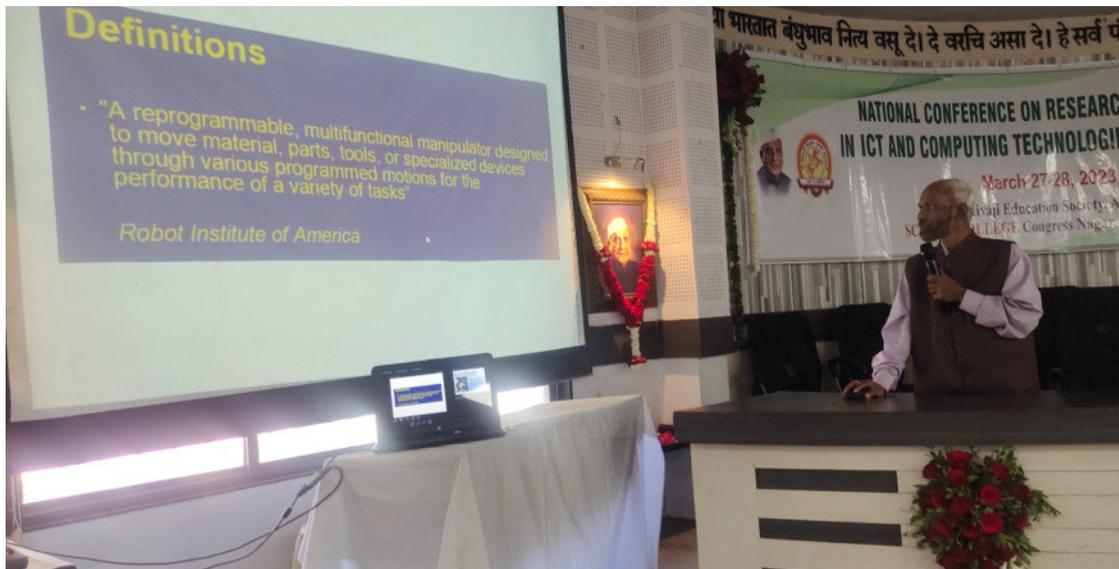
**Introductory speech by Principal Prof. M. P. Dhore**



**Inaugural speech by Hon'ble Hemant Kalmegh and Keynote Address by Prof. R. Dharaskar**



**Talk by Prof. M.P. Singh and Session Chair Dr. V. N. Chauhan**



**Talk by Prof. V. M. Thakre**



**Faculty Members**



**Guest arrival for Valedictory Function**



**Staff, Guest & Delegates**



**Staff, Delegates & Audience**



**Best Paper Presentation award winner by Dr. Sagar S. Shende**



**Delegates Feedback**



**Group Photo with Guest Prof. Ramesh Manza, Dr. Sagar Jambhorkar and Principal & staff**



**Group Photo with Guest Prof. Ramesh Manza, Dr. Sagar Jambhorkar and Principal & staff**



**Group Photo with Guest, Principal & staff members**



**Principal, Staff Members & Delegates**

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- Dr. D. D. Suddhalwar
- Dr. Parag Bhalkhandra

### Call for Papers

Papers are invited on the conference theme for oral and poster presentation. Papers must be submitted in the form of soft copy as an email attachment.

### Conference Publication

The e-proceedings containing full papers will be published at the time of conference.

### Instructions to Authors

- 1) Paper size: A4
- 2) Margins: Left 1.5", Right 1", Top 1", and Bottom 1"
- 3) Font style: Times New Roman, single spacing in Two columns
- 4) Font Size:
  - a) Title 14 (Bold)
  - b) Name of Authors and Affiliation 12
  - c) Sub Heading 12 (Bold)
  - d) Abstract 9 (Bold) (Max. 150 words)
  - e) Paper Text 11
  - f) References 10 (Sr. No., Name of authors starting with initials, Name of the Journal and Volume of the Journal).
- 5) Format: The paper should be typed in MS-Word document including all text, tables, figures, graphs, photos etc.

### For Further details please contact:

Dr. A. A. Halder, Organizing Secretary (NCRICCT-2023)  
S.S.E.S. Amt's Science College Congress Nagar, Nagpur  
440012, INDIA  
Telephone : +91 0712-2423432 (O), 9175128636 (M)  
Email : ncriict2023@gmail.com Website : www.sscnagpur.ac.in

### About the College

SSES Amt's Science College Congress Nagar, Nagpur is one of the 300+ institutions run by Shri Shivaji Education Society Amravati. It is a premier institution of higher learning in Central India. The college is accredited by NAAC as A+ grade college with CGPA of 3.51. The college is identified by UGC as a "College with Potential for Excellence" (CPE) since 2004. The college is a member of "Asia Pacific Quality Network" of reputed Institutes in Asian countries. College is identified as a mentor college under Paramarsh Scheme of UGC New Delhi for helping non-accredited colleges for NAAC and other quality frame work. The College imparts science education from XI<sup>th</sup> standard to PG level. The college is having center of higher learning and research in five subjects. The college has organized eight DST sponsored residential INSPIRE camps for the students. The college gives admission to the students from different strata of the society. Special efforts are taken by college for career counseling and placement. The college has a record of highest number of merit positions in board and university examinations. The students have won prizes and awards in sports and cultural events at university, national and international level. Well qualified and experienced staff members of every department are also awarded by national, international awards and fellowships for higher learning and research.

**Registration: A registration fee per participant of**  
**Rs. 1,500/- for faculty members / Professionals**  
**Rs. 1,200/- for research scholars**  
**Rs. 1,000/- for PG students**

is to be paid through Net Banking/UPI. The registration fee does not include accommodation. However assistance for the accommodation of participants will be provided by the organizing team.

Selected papers will be published in UGC CARE/ SCOPUS or WEB OF SCIENCE Journal by paying extra fees.

### Important Dates:

**Extended Last date of Paper Submission : 10/03/2023**  
**Notification of Acceptance : 12/03/2023**  
**Last date of Registration : 15/03/2023**  
**Conference Dates : March 27-28, 2023**



Dr. Panjabrao Alias Bhausaheb Deshmukh's 125<sup>th</sup> Birth Anniversary Year  
Rashtrasant Tukadoji Maharaj Nagpur University Centenary Year

## NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRICCT-2023)

March 27-28, 2023

Organized by



Department of Computer Science

Shri Shivaji Education Society, Amravati's  
**SCIENCE COLLEGE**  
Congress Nagar, Nagpur 440012

Accredited by NAAC as A+ Grade with CGPA of 3.51  
Identified A College with Potential for Excellence by UGC, New Delhi  
Mentor College under UGC Paramarsh Scheme  
Recognized Centre for Higher learning  
Member of APQN

As a part of Dr. Panjabrao Alias Bhausaheb Deshmukh's 125<sup>th</sup> Birth Anniversary Year and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary Year Celebrations, Shri Shivaji Education Society Amravati's Science College Congress Nagar, Nagpur is organizing

**NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES (NCRICCT-2023)**  
During March 27 - 28, 2023.

**Objectives:**

The main aim of the conference is to provide an opportunity to students, research scholars and teachers to get an exposure of exciting field of Computer Science and Electronics with recent developments in the field. The conference will also provide an impetus to teachers/students who are looking for an area to do research. Those who have already initiated in research, it would provide a good opportunity for interaction with the experts.

**For whom:**

The conference lectures would be addressed at an advance level and would be accessible to highly motivated M.Sc., MCA, B.Sc. and BCA students as well as to college teachers, university teachers and researchers.

**Topics to be covered (but not limited to) :**

- Parallel Computing
- Wireless Communication
- Real Time Systems
- Cloud Computing
- Micro Controller
- VLSI
- Embedded System
- Hypertext and Hypermedia
- Multimedia Document Architecture
- Image Processing
- Mobile Computing
- Soft-Computing
- Data Mining
- Natural Language Processing
- Human Computer Interaction
- Machine Learning
- Data Science
- Bio-Medical Instrumentation
- Forensic Science
- Network Security
- Deep Learning
- Block Chain

- Patron :**
1. **Hon'ble Shri Harshvardhan P. Deshmukh**  
President, Shri Shivaji Education Society, Amravati.
  2. **Hon'ble Prof. Subhash Chaudhari**  
Vice Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
  3. **Hon'ble Prof. Sanjay Dudhe**  
Pro-Vice Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur .

**Local Organizing Committee**

- Prof. M. P. Dhore, Principal** - Chairman : 9423103043  
**Prof. S. R. Pande** - Convener : 9422804245  
**Prof. R. N. Jugele** - Co-Convener : 9423101139  
**Dr. A. A. Halder** - Organizing Secretary : 9175128636  
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**NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES (NCRICCT- 2023)**  
March 27 28, -2023

To participate in this Conference

Kindly fill your details in this google form to register for the NCRICCT-2023

REGISTRATION LINK:

<https://forms.gle/T3CBWvmzvGK8RuEr5>

Email for Paper Submission: [ncricct2023@gmail.com](mailto:ncricct2023@gmail.com)

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Dr. Panjabrao Alias Bhausaheb Deshmukh's 125<sup>th</sup> Birth Anniversary  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary



NATIONAL CONFERENCE ON **RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES**  
(NCRHICT-2023) **March 27-28, 2023** Organized by Department of Computer Science Shri Shivaji Education Society,

Amravati's SCIENCE COLLEGE, Congress Nagar, Nagpur

**SCIENTIFIC PROGRAMME SCHEDULE: March 27-28, 2023**

Date: 27/03/2023	
Time	Particulars
09:00 am to 10:30 am	Registration & Breakfast
10:30 am to 11:45 am	Inauguration
11:45 am to 12:00 Noon	Tea Break
12:00 Noon to 01:00 pm	Keynote address by Hon'ble Prof. Rajiv Dharaskar
01:00 pm to 02:00 pm	Lunch
02:00 pm to 03:15 pm	2 Invited Talks
03:15 pm to 03:30 pm	Tea Break
03:30 pm to 05:00 pm	Paper Presentation

Date: 28/03/2023	
Time	Particulars
09:00 am to 10:00 am	Breakfast
10:00 am to 11:30 am	2 Invited Talks
11:30 am to 11:45 am	Tea Break
11:45 am to 01:00 pm	2 Invited Talks
01:00 pm to 02:00 pm	Lunch
02:00 pm to 03:30 pm	Paper Presentation
03:30 pm onwards	Valedictory

Date: 27/03/2023				
Invited Talk (IT) Venue: Conference Hall (Block-B, 4 <sup>th</sup> Floor)				
Time	Particulars	Chairman	Speaker	Title
02:00 pm to 03:15 pm	IT1 (35 Min)	Prof. Vinay Chavan Principal, S. K. Porwal College, Kamptee, Nagpur.	Prof. Manu Pratap Singh Director, Institute of Engineering & Technology, Dr. Bhimrao Ambedkar University, Agra	"Pattern Recognition Using Machine Learning Techniques"
	IT2 (35 Min)		Prof. Ramesh Manza Professor Department of Computer Science and Information Technology, Dr BAM University, Aurangabad (MS) India.	"Modeling and Performance Evaluation Techniques Using Python"
<b>Tea Break 3.15 pm to 3.30 pm</b>				
03:30 pm to 05:00 pm	Paper Presentation in four parallel sessions.	Prof. Ramesh Manza Venue: Conference Hall (Block-B, 4 <sup>th</sup> Floor) Prof. A. B. Sasankar Venue. Padmashree Dr. Vijay Bhatkar Laboratory (Block-B, 3 <sup>rd</sup> Floor) Dr. G. S. Katkar Venue: Advance Computing Centre (Block-B, 1 <sup>st</sup> Floor) Prof. Satish J. Sharma Venue: M.Sc. Laboratory (Block-B, 1 <sup>st</sup> Floor)	<b>Time Allotted: 10 minutes to each presentation - Parallel Session.</b>	

P.T.O.

Date: 28/03/2023

Invited Talk (IT) Venue: Conference Hall (Block-B, 4<sup>th</sup> Floor)

Time	Particulars	Chairman	Speaker	Title
10:00 am to 11:30 am	IT1 (45 Min)	<b>Prof. Satish J. Sharma</b> Professor and Head Department of Electronics and Computer Science, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	<b>Dr. Sagar Jambhorkar</b> Department of Computer Science National Defence Academy, Pune.	<b>“IoT-Based Security: Challenges and Opportunity”</b>
	IT2 (45 Min)		<b>Prof. V M Thakare,</b> EX PROF & HOD, Department of Computer Sc. & Engg. SGB Amravati University, Amravati. Maharashtra, India.	<b>“Robotics and its design using various computing technologies”</b>
<b>Tea Break 11.30 am to 11.45 am</b>				
11:45 am to 01:00 pm	IT3 (35 Min)	<b>Prof. V. M. Thakare</b>  EX PROF & HOD, Department of Computer Sc. & Engg. SGB Amravati University, Amravati. Maharashtra, India.	<b>Mr. Amit Kale</b> Associate Vice President, Engineering, GlobalLogic, Nagpur.	<b>“Technology Trends and Adoption”</b>
	IT4 (35 Min)		<b>Dr. S. B. Kishor</b> Head, Dept. of Computer Science, SP Mahavidyalaya, Chandrapur, Maharashtra, India.	<b>“The Importance of ChatGPT in Improving Research Productivity and Effectiveness: Opportunities and Challenges for Researchers”</b>
<b>Lunch Break 01:00 pm to 02:00 pm</b>				
02:00 pm to 03:15 pm	<b>Paper Presentation in four parallel sessions.</b>	<b>Dr. Sagar Jambhorkar</b> Venue: MCA Laboratory (Block-B, 1 <sup>st</sup> Floor) <b>Dr. Mrs. A. S. Khandelwal</b> Venue: Padmashree Dr. Vijay Bhatkar Laboratory (Block-B, 3 <sup>rd</sup> Floor) <b>Dr. S. B. Kishor</b> Venue: Advance Computing Centre (Block-B, 1 <sup>st</sup> Floor) <b>Dr. Ujjwal Lanjewar</b> Venue: M.Sc. Laboratory (Block-B, 1 <sup>st</sup> Floor)	<b>Time Allotted: 10 minutes to each presentation - Parallel Session.</b>	
<b>Tea Break 3.15 pm to 3.30 pm</b>				
<b>Valedictory Function 3.30 pm</b>				

# *SSEA's Science College, Congress Nagar, Nagpur-12*

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRIICT-2023) March 27-28, 2023

Paper presentation (Parallel Sessions)

Session I-A

Date: 27/03/2023

Time: 3.30 PM to 5.00 PM

Venue: Conference Hall (Block-B, 4<sup>th</sup> Floor)

Sr. No.	Paper-ID	Paper Title & Authors
01.	101	Dynamical sized Convolution Neural Networks with Stochastic Gradient Descent Optimizer for Sound Classification <i>Manu Pratap Singh &amp; Pratibha Rashmi</i>
02.	102	Cyber attacks in IoT-enabled home appliances <i>Deepak D. Shudhalwar, Mayank Sharma</i>
03.	103	Utilizing Deep Learning and GANs for Medical Image Analysis and Disease Classification <i>Ram Kishun Mahto, Dr. Pushpendra Kumar</i>
04.	104	A Systematic study of Current Trends in Information retrieval using Web Content Mining <i>Rajesh Bhoyar, Dr. Dinesh N. Satange</i>
05.	105	Reviewal Perspective of Secured Authentication for Data Access with Blockchain in Fog and Internet of Things <i>Ms. Priyanka S. Yengantwar (Chandawar), Dr Ujwal A. Lanjewar</i>
06.	106	Recurrent Neural Networks for Short-Term Weather Forecasting <i>Ms. Rupali B. Surve, Dr. Ujwal A. Lanjewar</i>
07.	107	Design and implementation of hybrid cryptosystem using AES and DES <i>Dr. Harshala B. Pethe, Dr. Subhash R. Pande</i>
08.	108	The Mobile Ad-Hoc Networks Problems and Challenges: A Study <i>Dr. Vithal N. Patange, Dr. Vishvnath Kodape</i>
09.	109	Study of Classification Problem using Random Forest <i>Priya Sharma, Yachana Bisane, Dr. Mrs. S. R. Gedam</i>
10.	110	A Review on Deep Learning Based Firewall Management System <i>Aleena Azam Ansari, Yashashree Devanand Masurkar, Ms Asfiya Sheikh</i>
11.	111	Digital Banking Technology in India: Review <i>Ms. Aditi Katarkar, Mr. Hitesh Takone, Ms. Sandhya Dahake</i>
12.	112	A Survey of Crime Rate Prediction <i>Ganesh D. Pandhare, Harshal S. Nehare, Mr. A. A. Bodkhe3</i>
13.	113	Effectiveness of Instructional Technology to Promote Teaching and Learning In Technical Education: Case of Marathwada Region <i>Dr. Pritam R. Patil, Dr. Pravin B. Tamsekar, Mr. Pranav P. Joshi</i>
14.	114	Sharing Secured Secret data by Binary Image using Visual Cryptography <i>Anil B. Alde, Dr. Vikas T. Humbe</i>
15.	115	Effort and Cost benefit analysis of cloud Data Warehouse over Traditional Data Warehouse <i>Pooja D. Kavishwar1, Dr. S. R. Pande</i>
16.	116	Human Facial Expression Recognition Techniques: A Study <i>Dr. J. K. Keche, Dr. A. A. Halder, Prof. M. P. Dhore</i>
17.	117	Quantitative Analysis on Cloud computing service in distributed & business models <i>Dr. Sabah Naseem Munazzal Zafar, Dr. Ashish B. Sasankar</i>
18.	118	Using Hardware Information in Authentication Schemes <i>Dr. Vijeet Meshram</i>
19.	119	Sequential Bi-LSTM with Attention Mechanism to Predict Emotion of Twitter Text Message <i>Niraj Kumar, Prof. Subhash Chandra Yadav</i>
20.	120	A Review of Machine Learning Algorithms for Video Processing <i>Mr. Palash P. Feddewar, Prof. M. P. Dhore</i>

# *SSEA's Science College, Congress Nagar, Nagpur-12*

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRIICT-2023) March 27-28, 2023

Paper presentation (Parallel Sessions)

Session I-B

Date: 27/03/2023

Time: 3.30 PM to 5.00 PM

Venue: Padmashree Dr. Vijay Bhatkar Laboratory (Block-B, 3<sup>rd</sup> Floor)

Sr. No.	Paper-ID	Paper Title & Authors
01.	121	Significance of Pre – Processing Technique for Sentiment Analysis from Textual Data <i>Sheetal Kumari, Prof. Subhash Chandra Yadav</i>
02.	122	A Review of Invasive Ductal Carcinoma Detection using Deep Learning <i>Biju Angalees, Anupama Sakhare</i>
03.	123	Comparative Analysis of Breast Cancer Detection Using K-Nearest Neighbour, Logistic Regression and AdaBoost <i>Yogesh S. Rode, Lakshman K, Siddharth B Dabhade, Majharoddin Kazi, Nagsen Bansod</i>
04.	124	Performance Evaluation Metrics in Machine Learning for Disease Prediction: A Review <i>Sagar A. Durge, Dr. Kishor M. Dhole</i>
05.	125	A Review of Attendance Management System Using Face Recognition <i>Smita Khorgade, Vaishnavi Shivhare, Dr. M. T. Wanjari</i>
06.	126	A Review on Internet of Things (IoT) Architectures, Types, Communication Technologies, and Applications <i>Mithilesh M. Wasu, Dr. Kishor M. Dhole</i>
07.	127	Aspect and Role: Cryptography in Cyber Security <i>Amruta J.Thakur, Prof. R. N. Jugele</i>
08.	128	Use of Innovative Technologies in Marketing and Management Strategies Made for The Growth and Development of Indian Multinational Companies <i>Mr. Vedanand K. Almast, Dr. Rahul K. Sawlikar</i>
09.	129	Resource Provisioning for Cloud Service Provider Using Load Balancing Algorithm – A Review <i>Vaishali G. Belsare, Dr. Kishor M. Dhole, Dr. Parag Ravikant Kaveri</i>
10.	130	A Review of Realtime Emotion Recognition Using CNN Deep Learning <i>Vidya Waghade, Samruddhi Lokhande, Swati S. Khandalkar, Dr. A. A. Halder</i>
11.	131	Precision Farming - Next Agricultural Revolution <i>Dr. Sudha Ramachandra, Mr. Amit Rehapade</i>
12.	132	Blockchain Technology in Insurance and Challenges and Threat <i>Srivalli Ch, Rajeshwari G , Geetha Preethi</i>
13.	133	Blockchain: Architecture and Decentralized System Challenges and Applications <i>Mansi Nagalkar, Zohra Yasmeen, Dr. Dileep Sadhankar</i>
14.	134	Diabetes Mellitus Prognostication Employing Computational Intelligence Paradigms and Machine Learning Algorithms <i>Gaurav D. Saxena</i>
15.	135	An Observation About Various Research Tools Followed by Research Scholars <i>Neha G. Giradkar, Dr. S. B. Kishor</i>
16.	136	Industrial Automation and Inspection in Food and Agriculture <i>Ms. Mansi S. Hingle, Mrs. Aarya A. Chandekar, Dr. Manish T. Wanjari</i>
17.	137	Exploring the Evolution of Time Series Models over Time <i>Rupa Rajakumari R. Peter, Dr. Ujjwal Lanjewar</i>
18.	138	A Comprehensive Review of Processor for Embedded Applications <i>K. Y. Rokde, S. S. Shende</i>
19.	139	Recognizing and Avoiding Spam and Fake User Identity <i>Dr. Santosh M. Chavan</i>
20.	140	Comparison of different segmentation algorithm for the detection of Lymphatic Filariasis <i>Priyanka Kumar</i>

# *SSEA's Science College, Congress Nagar, Nagpur-12*

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRIICT-2023) March 27-28, 2023

Paper presentation (Parallel Sessions)

Session I-C

Date: 27/03/2023

Time: 3.30 PM to 5.00 PM

Venue: Advance Computing Centre (Block-B, 1<sup>st</sup> Floor)

Sr. No.	Paper-ID	Paper Title & Authors
01.	141	A thorough study of deep learning methods for skin cancer diagnosis and prediction <i>Pragati Masharkara, Sahil Kalweb, Sandhya Dahake</i>
02.	142	Tools and Techniques of Sentiment Analysis: A Review <i>Neha Yadav, Ritika Ganvir, Ms. Puja. M. Dadhe</i>
03.	143	ChatGPT: How may AI and GPT impact academia and libraries, Conversational AI is a game-changer for science <i>Ms. Priyanka L Malkan, Shubhangee D. Mohod</i>
04.	144	Effect of Mobile Phone Use in Schools <i>Miss. Pooja Chatap, Miss. Sakshi Mahiskar, Prof. Sandhya Dahake</i>
05.	145	Evolution of Artificial Intelligence <i>Mr. Kunal Hanwate, Mr. Atharva Muley, Prof. Sandhya Dahake</i>
06.	146	Security Issues in IOT Environment <i>Namrata D. Sohaney, Anupama D. Sakhare</i>
07.	147	Real Time Facial Emotion and Gender Detection Using CNN with Deep Learning Techniques <i>Shreya Choudhary, Vishal Daf, Prof. Sandhya Dahake</i>
08.	148	Django Future Perspective <i>Mr. Viraj Ambulkar , Miss. PranjaliGujar , Prof. Sandhya Dahake</i>
09.	149	Traffic Control Using OpenCV and Python (TCOP) <i>Abhishek Giradkar , Prajwal Dandekar , Prof. Sandhya Dahake</i>
10.	150	Study on Android application development <i>Mr. Atharva Selokar, Mr. Sumit Rahanagdale, Prof. Sandhya Dahake</i>
11.	151	Critical disease detection using deep learning <i>Sushant Deshmukh, Dr. Parag Bhalchandra</i>
12.	152	Microbial Biosensors for Detection of Analytes from Environmental, Food and Clinical Samples <i>Pranita B. Gulhane, Jageshwar K. Keche</i>
13.	153	YouTube Transcript Summarizer Using Natural Language Processing <i>Avanti Dhande, Abhishek Sapate, Sandhya Dahake</i>
14.	154	Comparative Analysis of Iris-Based Biometric Systems <i>Dr. A. A. Halder, Dr. J. K. Keche, Dr. Mrs. S. S. Pande</i>
15.	155	Image Caption Generator <i>Kshitij Dhopte, Mayur Ramteke, Prof. Sandhya Dahake</i>
16.	156	Heart Disease Diagnosis Based on Machine Learning Algorithms: A Review <i>Swati Khandalkar, Shweta Barhate, M.P. Dhore</i>
17.	157	Digital Watermarking In Image Using AES Algorithm <i>Mr. Sushant Thakare, Mr. Ashvin Lad, Prof. Sandhya Dahake</i>
18.	158	Scrutinization on Customer's Perception on Adoption of Digital Banking in India. <i>Mr. Mayank Charpe, Ms. Dhanashree Deshmane, Prof. Sandhya Dahake</i>
19.	159	Deep Learning Based Firewall Anomalies Prevention and Detection System <i>Asfiya Shireen Sheikh Mukhtar, Dr. Vaibhav R. Bhedi, Dr. R. N. Jugele</i>
20.	160	Using Machine Learning Algorithms Based on Air Quality Predicting <i>Mr. Prajyot Rangari, Ms. Shweta Palewar, Prof. Sandhya Dahake</i>

# *SSEA's Science College, Congress Nagar, Nagpur-12*

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRHICT-2023) March 27-28, 2023

Paper presentation (Parallel Sessions)

Session I-D

Date: 27/03/2023

Time: 3.30 PM to 5.00 PM

Venue: M.Sc. Laboratory (Block-B, 1<sup>st</sup> Floor)

Sr. No.	Paper-ID	Paper Title & Authors
01.	161	Study of integration of Cloud Computing and Data Mining <i>Mrs. Priyanka Saurabh Sharma</i>
02.	162	A Comparative Study on Customer Segmentation Based on Machine Learning <i>Ms. Shweta Choudhary, Ms. Sakshi Sakhare, Prof. Sandhya Dahake</i>
03.	163	Custom Application Development in Cloud Environment: Using Salesforce <i>Dhruv Bawane, Yash Katarpawar, Prof. Sandhya Dahake</i>
04.	164	Review of Cursor Movement Using Hand Gesture <i>Praju A. Bhagat, Prakash D. Patil, Mr. Amol Bodkhe</i>
05.	165	Tools, Types, Categories and Domain of Network security <i>Sneha V. Wankhede</i>
06.	166	A Review Paper on Cyber Security <i>Ankita Waghare</i>
07.	167	A Review of License Plate Recognition Using SVM <i>Apurva A. Tiwari, Achal D. Ghagi, Dr. M. T. Wanjari</i>
08.	168	Implementing Filtering Technique in Image Denoising <i>Dr. Manish T. Wanjari, Dr. Harshala B. Pethe, Dr. Jageshwar K. Keche, Prof. Mahendra P. Dhore</i>
09.	169	An Overview of Soft Computing Techniques and Application Areas <i>Swapnali G. Kadao, Bhagyashri A. Jagtap, Rasika V. Bodkhe</i>
10.	170	A Review paper on Cloud computing - The business perspective <i>Mr. Sumant Joshi, Miss. Avanti Joshi, Prof. Vidhi Mehta</i>
11.	171	A Review: Facial Recognition using Machine Learning Algorithm <i>Kartik R. Borkar, Mayur M. Borate &amp; Dr. J. K. Keche</i>
12.	172	A Machine Learning Based Approach for Twitter Sentiment Analysis on Large Dataset <i>Ms. Puja M. Dadhe, Prof. R.N. Jugele, Dr. D.S. Sadhankar</i>
13.	173	Resume Builder Application <i>Mrs. Akruti Bhagat, Prof. Sandhya Dahake</i>
14.	174	Efficient and Secure Image Encryption Algorithm and Visual Encryption for Secure Transactions in Banking Sector <i>Dr. P. G. Sarpate, Dr. N. D. Jambhekar, Dr. A. A. Tayade</i>
15.	175	Robotics and Artificial Intelligence: The role of AI in Robots <i>Abhijit V. Bokare, Dr. Keshao D. Kalaskar, Rupesh D. Wakodikar, Vaibhav S. Bodkhe</i>
16.	176	The Safekeeping Complications and Requirements in Mobile Adhoc Network: A Survey <i>Dr. Vithal N. Patange, Dr. Mahesh K. Kulkarni</i>
17.	177	The Role of Social Networks for Spreading Misinformation <i>Akruti Thakur, Saurabh Kshirsagar, Sandhya Dahake</i>
18.	179	Development and Implementation of Ohm's Law Using Virtual Intelligent SoftLab <i>Bhaskar Y. Kathane</i>
19.	180	A Comprehensive study of HDFS problems and proposed valuable solutions <i>Rohini D. Dhage, Dr. Vaibhav R. Bhedi</i>

# *SSEA's Science College, Congress Nagar, Nagpur-12*

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRIICT-2023) March 27-28, 2023

Paper presentation (Parallel Sessions)

Session II-A

Date: 28/03/2023

Time: 2.00 PM to 3.15 PM

Venue: MCA Laboratory (Block-B, 1<sup>st</sup> Floor)

Sr. No.	Paper-ID	Paper Title & Authors
01.	181	Study of Air Pollution Monitoring System <i>Miss. Isha Loharkar, Miss. Bhargavi Velankiwar, Prof. Sandhya Dahake</i>
02.	182	Childrens and Social Media <i>Saniya Khan, Mohini Gayki, Sandhya Dahake</i>
03.	183	Summarization Techniques for Text Data: A Review <i>Dr. Varsha C. Pande, Dr. Harshala B. Pethe, Dr. Abha S. Khandelwal</i>
04.	184	Deep Feature Extraction of Fingerprint Images Using Convolution Neural Networks with Inversion Method <i>Manu Pratap Singh, Reena Garg</i>
05.	185	Cloud Service Selection to Minimize Response and Improves Throughput Time in Cloud Environment <i>Ms. Shubhangee B. Raipure, Prof. R.N. Jugele</i>
06.	186	Network Security: Issues and Challenges <i>Dr. Ritesh Sule, Prof. Amol Mankar</i>
07.	187	Exploring the usefulness of Blockchain Technology in Digital Marketing <i>Prof. Krutika B. Kakpure, Prof. Satish G. Kulkarni</i>
08.	188	Improving Part of Speech Tagging Using Natural Language Processing Techniques <i>Dr. P. V. Nimbalkar, Dr. G. S. Katkar</i>
09.	189	The Impact of Digital Banking on Customer Satisfaction <i>Mr. Shubham Pathode, Mr. Vijay Sondhiya, Prof. Sandhya Dahake</i>
10.	190	Error While Programming a Motivation for Beginners <i>Nivrutti Wankar, Sawari Ghugare, Prof. Sandhya Dahake</i>
11.	191	Different Segmentation Methods for Parighasana Yoga Pose <i>Jyoti Jangade, Kanojia Sindhuben Babulal</i>
12.	192	Application of Virtual Reality in Construction Site Modelling for Monitoring and Training: A Review <i>Mr. Ankit Nagarkar, Miss. Nikita Pandey, Prof. Sandhya Dahake</i>
13.	193	A study of Pattern Recognition: An overview <i>Mrs. Swati S. Adekar, Ms. Meenakshi Motwani</i>
14.	194	Study of Smart Homes Using IoT Devices and Systems <i>Mr. Sahil Dahale, Ms. Shreya Chandurkar, Prof. Sandhya Dahake</i>
15.	195	A study on Smart City Infrastructure using Applications of Blockchain Technology <i>Neetu Amlani, Priyanka Samarth</i>
16.	196	Review on Python for Data Science <i>Gaurav Deshmukh, Sanket Thakre, Prof. Sandhya Dahake</i>
17.	197	Design of Microcontroller Based Anti-Theft Car Security System <i>Rakhi V. Vyaghra, Vipul V. Mishra, Satish J. Sharma</i>
18.	198	Pre-Processing Methods and its Application on Medical Imaging Datasets <i>Mehar Arfi, Prof. S.C. Yadav</i>
19.	199	A Survey of Data Visualization Techniques for Big Data <i>Amol A. Bodkhe, Manish T. Wanjari, Prof. Mahendra P. Dhore</i>
20.	200	Study of Cloud Scalability Challenges with Proposed Solutions <i>Ms. Rohini S. Bhagat, Dr. Vaibhav Bhedi</i>

# *SSEA's Science College, Congress Nagar, Nagpur-12*

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRIICT-2023) March 27-28, 2023

Paper presentation (Parallel Sessions)

Session II-B

Date: 28/03/2023

Time: 2.00 PM to 3.15 PM

Venue: Padmashree Dr. Vijay Bhatkar Laboratory (Block-B, 3<sup>rd</sup> Floor)

Sr. No.	Paper-ID	Paper Title & Authors
01.	201	Impact and Opportunities of IoT on Communication Devices: A Comprehensive Review <i>Mr. Ajay Deonath Nanwatkar, Ms. Poorva Ishwar Wagh2</i>
02.	202	Transforming Social Data into Visual Insights: A Review of 3D Visualization Techniques <i>Anandi J.Mungole, Manish T.Wanjari, Keshao D. Kalaskar, Mahendra P. Dhore</i>
03.	203	E-Waste Management In India: A Review <i>Dr. A. M. Sote</i>
04.	204	Performance of Routing Protocol in Hybrid Wireless Network including Cluster Head <i>Mrs.Anuradha Gohad, Ms.Puja Dadhe, Dr. Uma Patel Thakur</i>
05.	205	Gesture Recognition Using Neural Networks <i>Shalaka Gaikwad, Dr. Girish Katkar, Dr. Ajay Ramteke</i>
06.	206	State-of-the-Art Techniques for Sarcasm Detection in Textual Datasets: A Literature Review <i>Ms. Reetu Awasthi, Dr. Vinay Chavan</i>
07.	207	A Comparative study of Big Data Analytics in Healthcare <i>Prajakta T. Lakhmapure, Tejaswini S. Rewatkar, Dr. M. T. Wanjari</i>
08.	208	Review on An Artificial Neural Network and Backpropagation Algorithm <i>Mrs. Swati S. Adekar, Dr. S.R Pande</i>
09.	209	Review on Effective Pattern Discovery in Text Mining <i>Ms. Pragati Dubey, Ms. Ritika Wanjari, Ms. Kavita Gawhade,</i>
10.	211	Implementation of Clustering Techniques using Big Data Analytics <i>Dr. Madhura A. Chinchmalatpure, Prof. M. P. Dhore</i>
11.	212	Study of Automation testing Techniques: <i>Ms. Rushali Fulzele, Ms. Shikha mourya, Prof. Sandhya Dahake</i>
12.	213	Wireless LAN Network Security using Neural Networks <i>Sachin Y. Zade, Dr. Aruna J. Chamatkar, Dr. Pradeep K. Butey</i>
13.	214	Comparative Analysis of Industrial Internet of Things Protocols <i>Mrs. Mugdha Ghotkar, Dr. Kishor Dhole</i>
14.	215	Review on Text Summarization with Machine Learning <i>Aafreen Ahmad, Pratiksha Date, Dr. V. C. Pande</i>
15.	216	Optimisation of Medical Image Fusion and De-Noising With Alternating Sequential Filter and Adaptive Fractional Order Total Variation in Deep Learning <i>Winit N. Anandpwar, Shweta M. Barhate, Mahendra P. Dhore</i>
16.	217	Cloud Service Provider Security Based Protocol Using Verifiability And Accessibility For Cloud Storages <i>Dr. Kishor M Dhole, Dr. Dipak V. Bhavsagar</i>
17.	218	Review of Feature Extraction methods for Handwritten Mathematical Symbols Using Optical Character Recognition <i>Pooja Ukey, Girish Katkar, Ajay Ramteke</i>
18.	219	Study of Convolutional Neural Network to the Masked Face Recognition <i>Lekha Prajapati, Girish Katkar, Ajay Ramteke</i>
19.	220	Eye Tracking Technology <i>Swati Akhare</i>

# *SSEA's Science College, Congress Nagar, Nagpur-12*

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRIICT-2023) March 27-28, 2023

Paper presentation (Parallel Sessions)

Session II-C

Date: 28/03/2023

Time: 2.00 PM to 3.15 PM

Venue: Advance Computing Centre (Block-B, 1<sup>st</sup> Floor)

Sr. No.	Paper-ID	Paper Title & Authors
01.	221	Review of Big Data Analytics Providing Security in Healthcare <i>Manisha M. Chawale, Dr. Manish L. Jivtode</i>
02.	222	An Efficient Study of Artificial Neural Network Methods in Face Recognition <i>Dr. Girish S. Katkar, Mr. Prakash Tukaram Raut</i>
03.	223	A Survey on Density-Based Data Stream Clustering Algorithms <i>Amar S. Pimpalkar, Prof. Mahendra P. Dhore</i>
04.	224	E-Commerce Rental Services <i>Sahil Chinchkhede, Prof. Vidhi Mehta</i>
05.	225	An Embedded System: A Solution for Real Time Monitoring and Controlling <i>Mr. Abhijeet G. Kshirsagar, Mr. Mohan C. Naidu</i>
06.	226	Advantages and Challenges using Virtual Library in Education sector than Digital Library <i>Bharti R. Dikhit, Dr. S.K. Yadav, Dr. Keshao D. Kalaskar, Dr. Pankaj B. Dhumane</i>
07.	227	Content Based Image Retrieval: A Survey <i>Sanket S. Hadge, Nikhil S. Mohurle, Dr. J. K. Keche</i>
08.	228	Review on Recent Trends in Data Security Implemented via Combining Cryptography and Steganography <i>Sharad S. Hegade, Dr. S. R. Pande</i>
09.	230	Identifying Fake News using Machine and Deep Learning <i>Ms. Achal Kale, Mr. Sparsh Gajbhiye, Dr. Manish T. Wanjari</i>
10.	231	Ascertained challenges in Data lake Management with certain proposed Solutions <i>Mrs. Asmita Dongaonkar, Dr. Vaibhav Bhedi</i>
11.	232	Study of methods and tools for performing time series analysis <i>Dr. S. R. Gedam, Neetu Uma Shankar, Ruchi R. Dwivedi</i>
12.	233	A Review on 3D Face Recognition System <i>Suraj W. Harode, Swapnil S. Urkude, Dr. J. K. Keche</i>
13.	234	Design and Development of Arduino Based Auto Power Trip During Gas Leakage <i>S. S. Shende, K. Y. Rokde, M. J. Hedau</i>
14.	235	Using Text Mining for Business Analytics <i>Dr. Dileep S. Sadhankar, Ms. Puja M. Dadhe, Ms. Mansi P. Nagalkar</i>
15.	236	Comparative Study of Scope of Big Data in Agriculture Field <i>U. S. Junghare</i>
16.	238	Dementia Detection Using Machine Learning: A Review <i>Shweta Barhate, Snehal Narale, M. P. Dhore, S. J. Sharma</i>
17.	239	Machine Learning and Mental disorder Prediction: A Scoping Review <i>Shruti Joshi, Shweta Barhate, M. P. Dhore</i>
18.	240	A Survey of Detection of Schizophrenia using Machine Learning <i>Ms. Madhuri R. Meshram, Dr. A. D. Sakhare</i>

# SSEA's Science College, Congress Nagar Nagpur-12

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

(NCRHICT-2023) March 27-28, 2023

Paper presentation (Parallel Sessions)

Session II-D

Date: 28/03/2023

Time: 2.00 PM to 3.15 PM

Venue: M.Sc. Laboratory (Block-B, 1<sup>st</sup> Floor)

Sr. No.	Paper-ID	Paper Title & Authors
01.	241	Analysing Cognitive Skills Of Children Using Machine Learning: A Review <i>Sohini Banerjee, Shweta Barhate, Satish Sharma</i>
02.	242	Digital Image processing and Recognition Using Python <i>Ms. Shrutika. V. Lokhande, Dr. Varsha. C. Pande, Miss. Puja. M. Dadhe</i>
03.	245	A Comprehensive Review of Artificial Immune System, issues and its Applications in IoT Security <i>Atul R. Thaware, Anupama D. Sakhare</i>
04.	246	Factors Affecting Academic Performance of Learners Using Machine Learning <i>Ms. Ashwini V. Virulkar, Dr. Ashish B. Sasankar</i>
05.	247	Review on Signature Verification Using Image Processing <i>Trupti Y. Padole, Payal B. Atram, Mrs. S.S. Khandalkar, Dr. A. A. Halder</i>
06.	248	The Impact of Blockchain Technology on Supply Chain Management <i>Mr. Vaibhav Handekar, Nilesh Buradkar, Prof. Sandhya Dahake</i>
07.	249	Cloud Computing <i>Himanshu Bhange, Ankit Vidhate, Prof. Bhagyashree Kumbhare</i>
08.	250	A Review on Overview of Ethics in Ethical Hacking <i>Rajsi Datta Kingri</i>
09.	251	Expolaration of Filtering and Feature Extraction Techniques in Single and Multimodal Biometric System <i>Dr. A. A. Halder</i>
10.	252	Application Of Deep Learning In Plant Disease Detection: A Survey <i>Dr. Avinash H. Hedao</i>
11.	253	Forest Fire Prediction using Data Science <i>Ms. Ashwini M. Rahangdale1, Ms. Ankita S. Chaudhari2, Dr. Manish T. Wanjari3</i>
12.	254	Blockchain for Electronic Voting System <i>Pratik Lokhande, Nilesh Buradkar, Prof. Sandhya Dahake</i>
13.	255	Application of Convergence of Big Data and Machine Learning <i>Dr. Pravin H. Ghosekar</i>
14.	256	Role Of Data Warehousing And Data Mining In Business <i>Dr. Prashant P. Yende, Dr. Girish Katkar, Dr. Pankaj Nimbalkar</i>
15.	257	Investigation Of Engine Performance Using Mathematical Modelling <i>Vinod Ganvir, Pramod Belkhode, Anjali Kurve, Ayushi Kali</i>
16.	258	Data Privacy <i>Miss. Falguni Deshmukh , Mr. Vishal Bisen , Prof. Sandhya Dahake</i>
17.	259	A Review of Facial Emotion Detection models using Deep Learning <i>Deepshikha Mehta, Dr. Shweta Barhate, Prof. Mahendra P. Dhore</i>



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**Shri Harshvardhan P. Deshmukh**  
President

**Prof. M. P. Dhore**  
Principal

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**Dr. Panjabrao alias Bhausaheb Deshmukh**  
Founder President

No. Sc. E.S.H/5971/23

Date : 25/02/23

To  
His Excellency Hon'ble Shri Rameshji Bais  
Governor of Maharashtra,  
Rajbhavan, Mumbai.

Subject: - Request to obtain your esteemed Message for National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) to be held on March 27-28, 2023.

Honorable Sir,

It is a matter of immense pleasure for me to inform you that Department of Computer Science of SSES's Science College, Congress Nagar Nagpur, affiliated to Rashtrasant Tukadoji Maharaj Nagpur University Nagpur (Maharashtra) is organizing National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) on March 27-28, 2023. This conference is being organized to mark the celebrations of founder president of Shri Shivaji Education Society, Amravati Dr. Panjabrao alias Bhausaheb Deshmukh's 125<sup>th</sup> birth anniversary year and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary year.

SSES's Science College, Congress Nagar, Nagpur is a premier Institute in central India and accredited as 'A+' Grade College with CGPA 3.51 and has been identified by UGC as College with Potential for Excellence.

We are also publishing proceeding during the conference for which I solicit your kind blessings in the form of message for this august event.

Thanking you, with regards.

*M. P. Dhore*

Prof. M. P. Dhore, Principal

Email: [principal@sscnagpur.ac.in](mailto:principal@sscnagpur.ac.in)



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**Dr. Panjabrao alias Bhausaheb Deshmukh**  
Founder President

No. Sc. ESH/5974/23

Date : 25/02/23

To  
Hon'ble Shri Nitinji Gadkari  
Minister of Road Transport and Highways,  
Government of India,  
New Delhi.

Subject: - Request to obtain your esteemed Message for National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) to be held on March 27-28, 2023.

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Prof. M. P. Dhore, Principal

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**Prof. M. P. Dhore**  
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**Dr. Panjabrao alias Bhausaheb Deshmukh**  
Founder President

No. Sc. E5H/5968/23

Date : 25/02/23

To  
Hon'ble Shri Eknathji Shinde  
Chief Minister,  
Government of Maharashtra,  
Mantralaya, Mumbai-400032.

Subject :- Request to obtain your esteemed Message for National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCR ICT-2023) to be held on March 27-28, 2023.

Honorable Sir,

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Prof. M. P. Dhore, Principal

Email: [principal@sscnagpur.ac.in](mailto:principal@sscnagpur.ac.in)



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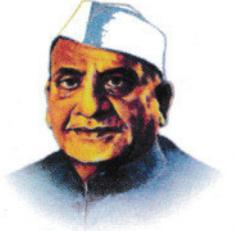
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**Shri Harshvardhan P. Deshmukh**  
President

**Prof. M. P. Dhore**  
Principal

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**Dr. Panjabrao alias Bhausaheb Deshmukh**  
Founder President

No. Sc. ESH/5969/23

Date : 25/02/23

To  
Hon'ble Shri Devendraji Fadanvis  
Deputy Chief Minister,  
Government of Maharashtra,  
Mantralaya, Mumbai-400032.

Subject: - Request to obtain your esteemed Message for National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) to be held on March 27-28, 2023.

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**Dr. Panjabrao alias Bhausaheb Deshmukh**  
Founder President

No. Sc. ES.H/5970/23

Date : 25/02/23

To  
Hon'ble Shri Chandrakantji Patil  
Minister of Higher and Technical Education,  
Government of Maharashtra,  
Mantralaya, Mumbai-400032.

Subject: - Request to obtain your esteemed Message for National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) to be held on March 27-28, 2023.

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- Mentor College under 'Paramarsh Scheme' UGC, New Delhi



**Dr. Panjabrao alias Bhausaheb Deshmukh**  
Founder President

No. Sc. ES/15975/23

Date : 25/02/23

To,  
Hon'ble Shri Harshvardhan P. Deshmukh  
President,  
Shri Shivaji Education Society,  
Amravati.

Subject: - Request to obtain your esteemed Message for National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) to be held on March 27-28, 2023.

Honorable Sir,

It is a matter of immense pleasure for me to inform you that Department of Computer Science of SSES's Science College, Congress Nagar Nagpur, affiliated to Rashtrasant Tukadoji Maharaj Nagpur University Nagpur (Maharashtra) is organizing National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) on March 27-28, 2023. This conference is being organized to mark the celebrations of founder president of Shri Shivaji Education Society, Amravati Dr. Panjabrao alias Bhausaheb Deshmukh's 125<sup>th</sup> birth anniversary year and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary year.

SSES's Science College, Congress Nagar, Nagpur is a premier Institute in central India and accredited as 'A+' Grade College with CGPA 3.51 and has been identified by UGC as College with Potential for Excellence.

We are also publishing proceeding during the conference for which I solicit your kind blessings in the form of message for this august event.

Thanking you, with regards.

*M. P. Dhore*

Prof. M. P. Dhore, Principal

Email: [principal@sscnagpur.ac.in](mailto:principal@sscnagpur.ac.in)



Shri Shivaji Education Society, Amravati's  
**SCIENCE COLLEGE**

Congress Nagar, Nagpur- 440 012 (M.S.) INDIA

- Tel : +91-712 - 2423432 (O) • Telefax : +91-712 - 2440955
- E-mail : shivajiscience\_ngp@yahoo.com
- Web : www.sscnagpur.ac.in

**Shri Harshvardhan P. Deshmukh**  
President

**Prof. M. P. Dhore**  
Principal

- 'A+' Grade with 3.51 CGPA (3rd Cycle) Reassessment College by NAAC, Bangalore
- A College with Potential for Excellence identified by UGC, New Delhi
- Member, APQN (Asia Pacific Quality Network)
- Recognized Centre for Higher Learning & Research
- Mentor College under 'Paramarsh Scheme' UGC, New Delhi



**Dr. Panjabrao alias Bhausaheb Deshmukh**  
Founder President

No. Sc. Estt/5973/23

Date : 25/02/23

To  
Hon'ble Prof. Subhash Chaudhari  
Vice Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.

Subject: - Request to obtain your esteemed Message for National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) to be held on March 27-28, 2023.

Honorable Sir,

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Email: [principal@sscnagpur.ac.in](mailto:principal@sscnagpur.ac.in)



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**Shri Harshvardhan P. Deshmukh**  
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**Dr. Panjabrao alias Bhausaheb Deshmukh**  
Founder President

No. Sc. E-544/5972/23

Date : 25/02/23

To  
Hon'ble Prof. Sanjay Dudhe  
Pro-Vice Chancellor,  
Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.

Subject: - Request to obtain your esteemed Message for National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) to be held on March 27-28, 2023.

Honorable Sir,

It is a matter of immense pleasure for me to inform you that Department of Computer Science of SSES's Science College, Congress Nagar Nagpur, affiliated to Rashtrasant Tukadoji Maharaj Nagpur University Nagpur (Maharashtra) is organizing National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) on March 27-28, 2023. This conference is being organized to mark the celebrations of founder president of Shri Shivaji Education Society, Amravati Dr. Panjabrao alias Bhausaheb Deshmukh's 125<sup>th</sup> birth anniversary year and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary year.

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*M. P. Dhore*

Prof. M. P. Dhore, Principal

Email: [principal@sscnagpur.ac.in](mailto:principal@sscnagpur.ac.in)



Dr. Panjabrao alias Bhausaheb Deshmukh's 125<sup>th</sup> Birth Anniversary  
Rashtrasant Tukadoji Maharaj Nagpur University Centenary Year

**NATIONAL CONFERENCE ON  
RESEARCH INNOVATIONS IN ICT AND  
COMPUTING TECHNOLOGIES**

**NCRIICT-2023**

March 27-28, 2023

**E-PROCEEDINGS OF  
NATIONAL CONFERENCE ON  
RESEARCH INNOVATIONS IN  
ICT AND COMPUTING  
TECHNOLOGIES  
(NCRIICT-2023)**

**Organized by  
Department of Computer Science,  
Shri Shivaji Education Society Amravati's  
SCIENCE COLLEGE,  
Congress Nagar, Nagpur 440012  
March 27-28, 2023**

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**Special Issue of Journal of Innovation in Sciences  
(Online)**

**ISSN: 2394 - 8051**

**SSEA's SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**



**Dr. Panjabrao Alias Bhausaheb Deshmukh's 125<sup>th</sup> Birth Anniversary Year  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary Year**

**NATIONAL CONFERENCE**

**ON**

**RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES**

**(NCR ICT-2023)**

**March 27-28, 2023**

Organized by



**DEPARTMENT OF COMPUTER SCIENCE**

**Shri Shivaji Education Society, Amravati's**

**SCIENCE COLLEGE**

**Congress Nagar, Nagpur 440012**

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**Recognized Centre for Higher learning**

**Mentor College under UGC Paramarsh Scheme**

## Executive Committee



**Shri Shivaji Education Society, Amravati**  
**Executive Committee**  
(2022-2027)

**Shri. Harshvardhan Pratapsinh Deshmukh**  
President

**Adv. Gajananrao Keshorao Pundkar**  
Vice - President

**Adv. Jaywant Alias Bhaiyasaheb Vinayakrao Patil**  
Vice - President

**Shri Kesharao Jagannathrao Metkar**  
Vice - President

**Shri Dilip Bhagwanrao Ingole**  
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Executive Member

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Executive Member

**Shri. Suresh Janardanrao Khotare**  
Executive Member

**Shri. Subhash Shridarpant Bansod**  
Executive Member

**Prin. Dr. Vijay Govindrao Thakare**  
Secretary

**Prin. Dr. Mahendra Pundlikrao Dhore**  
Co-Opted Member

**Shri. Nareshchandra Madhukarrao Patil**  
Co-Opted Member

**Prin. Purushottam Shivaji Wayal**  
Co-Opted Member

**Prin. Dr. Amol Manoharrao Mahale**  
Co-Opted Member

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- Prof. S. R. Pande** - Associate Editor
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- Dr. A. A. Halder** - Member
- Dr. J. K. Keche** - Member
- Dr. S. R. Gedam** - Member

## **Publisher**

**Principal**

**SSESA's Science College, Congress Nagar, Nagpur.**

## **Publication Date:**

**27<sup>th</sup> March 2023**

## Our Inspiration

**Founder President**  
Shri Shivaji Education Society, Amravati  
**Dr. Panjabrao alias Bhausahab Deshmukh**  
(1898-1965)  
**Great Visionary and Educationist**



Birth : 27 Dec. 1898 (Geeta Jayanti) | Death : 10 April 1965 (Ramnavami)

*Our Perennial Source of Inspiration*  
**SHIKSHAN MAHARSHI KRUSHI RATNA**

"A Benevolent Human being, A torch bearer, who kindled th spark of knowledge in every one. His warm spirit guided us on to the golden years of growth and moulded the Destiny of the generation in the years to come"

# Life Sketch

## Dr. Panjabrao alias Bhausaheb Deshmukh

Dec. 27, 1898	Born in the Kadam family at village Papal, Dist. Amravati.
1906-1910	Primary Education at Papal
1910 to 1918	Middle School Education at Karnaja and High School Education at Amravati.
1918 to 1920	College Education in Fergusson College, Pune
25th August 1920	Went to England for Higher Education.
21th Sept. 1920	Admitted in Cambridge University.
October 1921	Passed Bar-at-Law Examination.
25th January 1925	Awarded Ph. D. Degree. Subject of his Research was Origin & Development of Religion in the Vedic Period". Obtained Degree of Bar-at- Law.
July 1925	Returned to India after completion of his Education. Pleaded the case of 'Enemies of the Nation', successfully.
December 1926	Started Shri Shraddhanand Hostel for poor students & provided free Lodging & Boarding. Started Gymnasium for young students. Worked as a teacher in the Maratha High School.
28th August 1927	Started movement for admitting the harijians & untouchables into the Temple of Amba Devi.
13th Nov. 1927	Held conference in Amravati for removal of unsociability along with Dr. Babasaheb Ambedkar and carried on movement for admission into the Amba Devi Temple and discussed the issues with the trustees, successfully.
26th Nov. 1927	married to Ku. Vimal Tai Vaidya. It was an intercaste marriage.
1928-1930	1) Established Shetkari Sanghatana. 2) Elected as Chairman of District Council, Amravati. 3) Increased cess form 18 paise to 27 paise for development of primary Education.
16th Dec. 1930	Appointed as minister in the Ministry of old Madhya Pardesh & Berar as minister for Education, Agriculture, cooperation and Public works.
1931	Elected to legislative council of Madhya Pradesh.
1931-32	Established Shri Shivaji Education Society, Amravati
1933	Resigned Ministership to protest against casteist politics
1935-38	Established relationship with Prince of Kolhapur and Nizam of Hyderabad and obtained economic aid for the development of Shri Shivaji Education Society, Amravati
1939	Chairman of Maratha Shikshan Parishad and express secular views.
1942-44	Worked as Minister of State of Devas State and Advisor to the Prince of Dewas and member of the Council of State of Devas.
1944	Pleaded the case of Freedom Fighters and Azad Hind Sena
1946	President of Amravati District Congress Committee.
1948-1952	(i) Member of the senate Nagpur University & was awarded Hony, LL.D. (ii) Established Shivaji LokVidyapeeth and it was inaugurated by Hon 'ble Rajendra Prasad, the first President of India (iii) Established All India Backward Classes Federation.
1952	Appointed as Minister for Agriculture, Govt. of India in the Cabinet of Pt. Jawaharlal Nehru.
1955-56	Started "Bharat Krishak Samaj" Young Farmers Forum. Became President of International Rice Production Conference
1957-58	Appointed as minister for co-operation, Govt. of India.
1958-59	Established 'Bharat Krishak Sahakari Bank'
1959-60	Organised world Agriculture Fair.
1960	Led a delegation of farmers to the USSR.
1961-62	Became President of International Youth Federation. Led the delegation to Cairo. Established Chhatrapati Shivaji Education Trust at London.
Apr 10, 1965	Expired in Willingdon Hospital, Delhi.

# Messages

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

**NCRIICT-2023**

March 27-28, 2023



## Shri Nitin Gadkari

Minister, Road Transport and Highways  
Govt. of India.

Message

नितीन गडकरी  
NITIN GADKARI



सत्यमेव जयते  
75  
आजादी का  
अमृत महोत्सव

मंत्री  
सड़क परिवहन एवं राजमार्ग  
भारत सरकार  
Minister  
Road Transport and Highways  
Government of India

Do No. 100/VIP/RT&H/2023  
Date: 16 MAR 2023

### Message

I am pleased to know that Science College, Congress Nagar, Nagpur is going to organise National Conference on Research Innovations in ICT and CT on March 27, 28, 2023. I congratulate the organisers for holding the incident and wish great success for the event.

The present era is of computer and technology. In modern jargon technology has taken control of every sector and has become part and parcel of our life. The selection of Information and Communication Technology and Computing Technology as topic throws light on the fundamental requirement of it in modern society.

ICT & CT is ubiquitous, in the form of computers, tablets, smartphones, the web, cloud computing, email, text messages, social media, and much more. It is centrally relevant in the careers and lives of increasingly more people. The universities require students to take at least one course in computing/information technology to keep pace with time.

The organisation of conference to mark 125 th Birth Anniversary of Dr Panjabrao Deshmukh, the founder of SSES and a visionary who opened the doors of education for common man, is praiseworthy. It is the real tribute to the great son of soil who had dreamt for developed, progressed India and dedicated his complete life for the cause.

I welcome the delegation at Nagpur, extend my best wishes to the conference and wish success for efforts of organisers.

With Regards !

Yours  
Nitin Gadkari  
Minister  
Road Transport & Highways  
Government of India  
New Delhi

Room No. 501, Transport Bhawan, 1, Sansad Marg, New Delhi – 110 001, Tel.: (RTH) 011-23710121, 23711252 (O), 23719023 (F)

E-mail: nitin.gadkari@nic.in; website-www.morth.nic.in

✓ Camp Office Nagpur : Plot No. 25, Opp. Orange City Hospital, Beside Jupiter School, Khamlia Chowk, Nagpur-440015(MS)  
Tel.: 0712-2239918/20/22/23/24 Email : office@nitingadkari.net

**NCRICT-2023**

March 27-28, 2023

NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

## Message

### Harshvardhan P. Deshmukh

President,  
Shri Shivaji Education Society, Amravati.



### SHRI SHIVAJI EDUCATION SOCIETY

Shivaji Nagar, Amravati (Maharashtra State)  
Regd. No. F-89 (Amt)

Harshvardhan P. Deshmukh  
President

☎ M.No. 9422938805 ☎ Ph.No. 0721-2661770 (Office)  
☎ 0721-2661053, 2553682 (Res.), 07229-246191 (Jand)

☎ Website : [www.ssesa.org](http://www.ssesa.org) ☎ E-mail : [president@ssesa.org](mailto:president@ssesa.org)



Founder President  
Dr. Panjabrao alias  
Bhausaheb Deshmukh

M.A., D.Phil.L.D. Bar-At-Law

No. SSES/1/ - 12023

Date : 18/03/2023

## MESSAGE

I am very much delighted to know that Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur is hosting National Conference on "Research Innovations in ICT and Computing Technologies" (NCRICT-2023) to be held on March 27-28, 2023. I am very happy to know that this conference is being organized to mark the celebrations of founder president of Shri Shivaji Education Society, Amravati Dr. Panjabrao alias Bhausaheb Deshmukh's 125<sup>th</sup> birth anniversary year and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary year.

I congratulate the Principal Prof. Mahendra Dhore and his team for organizing this event in this premier institution of higher learning in central India. Needless to say, it has provided a common platform to the scientists, researchers and academicians of national repute, who will share their ideas about research innovations in ICT and Computing Technologies. I am quite sure that the deliberations in this conference will be quite beneficial and conducive not only for the individual participants but also society at large. I convey my best wishes and wish this conference a grand success.

*Harshvardhan P. Deshmukh*  
(Harshvardhan P. Deshmukh)

President,  
Shri Shivaji Education Society,  
Amravati



## Message

### Dr. Subhash R. Chaudhari

Vice - Chancellor,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur



## Rashtrasant Tukadoji Maharaj Nagpur University

"Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2015 (Mah. Act No. 16 of 2015)"

**Dr. Subhash R. Chaudhari**  
Vice-Chancellor

**Website :** [www.nagpuruniversity.ac.in](http://www.nagpuruniversity.ac.in)  
**Email :** [vc@nagpuruniversity.nic.in](mailto:vc@nagpuruniversity.nic.in)

**Mobile :** 9322638418

Jamnatai Bajaj Administrative Building, Mahatma Jotiba Phule Educational Premises, Campus Square to Ambazari T-Point Road, Nagpur - 440033.

### MESSAGE

I am extremely happy to know that Department of Computer Science of SSES's Science College, Nagpur is organizing a National Conference on "Research Innovations in ICT and Computing Technologies" (NCRIICT-2023) on March 27-28, 2023.

I appreciate the aim of the Conference to provide an opportunity to students, research scholars and teachers to get an exposure of exciting field of Computer Science and Electronics with recent development in the field. It will also provide an impetus to teachers/students who are looking for an area to do research. I am sure that the M.Sc., MCA, B.Sc. and BCA students as well as college teachers, University teachers and researchers will be benefitted.

I am also happy to note that the proceedings of the Conference highlighting the major thrust areas-important research papers etc. shall be published in the "Conference Proceedings" on this occasion, which I am sure, will disseminate information for the benefit of the delegates.

I extend my best wishes for successful organization of the National Conference.

Nagpur/March 6, 2023

( S.R. Chaudhari )

## Message

### Dr. Sanjay S. Dudhe

Pro Vice - Chancellor,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur



### Rashtrasant Tukadoji Maharaj Nagpur University

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Re-accredited by NAAC "A" Grade

Dr. Sanjay S. Dudhe  
Pro. Vice-Chancellor

Website : [www.nagpuruniversity.ac.in](http://www.nagpuruniversity.ac.in)  
Email: [provo@nagpuruniversity.ac.in](mailto:provo@nagpuruniversity.ac.in)

Phone : (0712) 2561347  
Mobile : 9423108215

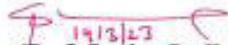
Chhatrapati Shivaji Maharaj Administrative Premises, Ravindranath Tagore Marg, Nagpur - 440 001. (Maharashtra)

### MESSAGE

It is indeed a great pleasure to write a message on the occasion of National Conference on "**Research Innovations in ICT and Computing Technologies**" (NCRIICT-2023) to be held on March 27-28, 2023, organized by Department of Computer Science, Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur. It is a matter of pride that Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. I am very glad to know that this conference is being organized to mark the celebrations of founder President of Shri Shivaji Education Society, Amravati Dr. Panjabrao alias Bhausahab Deshmukh's 125<sup>th</sup> Birth Anniversary Year and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary Year.

I am confident that this conference will provide a collaborative platform for researcher, academicians and students to discuss the vital facets of the research innovations in ICT and Computing Technologies. I am sure that the participants will be maximally benefited from the sharing, discussions and cross-fertilization of ideas that will take place in this conference.

I would like to extend my thanks and sincere gratitude towards the organizers and also wish the conference a grand success.

  
19/3/23  
(Prof. Sanjay Dudhe)  
Pro-Vice Chancellor,  
Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur





## Dr. P. B. Maheshwary

Dean (Science & Technology)  
RTM Nagpur University, Nagpur

## Message

### MESSAGE

I am pleased to know that the Computer Science Department of SSES's Science College, Nagpur is hosting a National Conference on "Research Innovations in ICT and Computing Technologies" (NCRICT-2023). The tracks covered in the conference for inviting the research articles are from emerging/thrust areas declared by the Ministry of Education, which surely will create long lasting impact on the minds of participants. These are the areas where lot of employment potential is observed by a high power committee constituted by AICTE. I place on record my sincere appreciation coupled with heartiest congratulations to the Management, Principal, Computer Science Department and their team of faculty, staff and students for this pragmatic event.

I am sure that the delegates and invited speakers will have fruitful deliberations on ideas, tools and technologies to find out the solutions pertaining to the emergent problems in these specific emerging areas. I will be happy if organisers shall share the report and conclusions of this very conference.

I wish all the very best to the team NCRICT-2023 for meaningful conduction and achieving the set outcomes from this National Conference.

Place: Nagpur

Date: 02/03/2023

(Dr. P. B. Maheshwary)  
Dean (Science & Technology)  
RTM Nagpur University, Nagpur

**Prof. Mahendra P. Dhore**Principal,  
Science College, Congress Nagar, NagpurShri Shivaji Education Society, Amravati's  
**SCIENCE COLLEGE**

Congress Nagar, Nagpur- 440 012 (M.S.) INDIA

• Tel : +91-712 - 2423432 (O) • Telefax : +91-712 - 2440955  
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• Web : www.sscnagpur.ac.inShri Harshwardhan P. Deshmukh  
PresidentProf. M. P. Dhore  
Principal

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Dr. Panjabrao alias  
Bhausaheb Deshmukh  
Founder President

No. Sc. ....

Date : 16/03/2023

**MESSAGE**

It is a matter of immense pleasure for me to accord warm welcome to all the eminent scientists, researchers and academicians who are contributing in this National Conference on Research Innovations in ICT and Computing Technologies (NCRIICT-2023) to be held on March 27-28, 2023. This national conference is organized to commemorate the 125th Birth anniversary of Dr. Panjabrao alias Bhausaheb Deshmukh, the founder of Shri Shivaji Education Society, Amravati and the Centenary year celebration of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

SSES's Science College, Congress Nagar, Nagpur is a premier institution of higher learning in central India. National Accreditation and Assessment Council, Bangalore reaccredited our college as 'A+' grade institution with CGPA 3.51. University Grants Commission, New Delhi has identified it as a College with Potential for Excellence. During the last decade the college has organized eight DST sponsored residential workshops on INSPIRE with a view to promote the importance of basic sciences.

The aim of the conference is to bring together the research fraternity working in the field of Computer Science and Information and Communication Technology so that they will have a common platform to discuss certain leading research innovations. It is my conviction that this event will help them to develop mutual understanding and exchange of ideas.

I hope that this scientific event of National Conference will prove to be educative, informative and meaningful to all the participants coming across the nation. I take this opportunity to welcome and thank all the guests, paper contributors, participants, well-wishers, advertisers and sponsors for their kind support. I wish the conference a grand success.

(Prof. Mahendra P. Dhore)  
Principal,  
Science College,  
Congress Nagar, Nagpur



From the desk of Convener NCRIICT-2023

## Prof. S. R. Pande

Convener, NCRIICT - 2023

The basic objective behind organizing this National Conference on Research Innovations in ICT and Computing Technologies (NCRIICT-2023) on March 27th and 28th March 2023 to provide a common platform where researchers in this field can interact, exchange and learn new ideas and concepts which will help them further in the research on one hand and in another hand to educate the student community regarding the new aspect of knowledge in the disciplines of Computer Science.

It is expected the delegates of the conference from the academic institution (both faculties & research students) will exchange their views through presentations and discussions. I invite all academicians, research students, faculties, and professional scientists to be apart of this fabulous event and express your conceptual ideas at our conference. The conference has evinced an overwhelming response in the form of research papers from talented researchers from all parts of the nation. Definitely, your valued research papers and active participation will increase the core value of our conference.

I am very thankful to our President, Secretary, Advisors, and Principal for their continuous motivation and support to organize this event.

I express my sincere thanks to all involved directly or indirectly in this event. I extend my thanks to the sponsors of this event for their cooperation.

Finally my sincere thanks to the conference organizing team members who are taking so much effort to make this event a grand success.

**Prof. S. R. Pande**

Convener,

NCRIICT-2023

From the desk of Organizing Secretary NCRIICT-2023

**Dr. Amitabh A. Halder**

Organising Secretary,  
NCRIICT-2023



Dear friends,

As the face of the organizing committee and on behalf of each and every member, it is indeed my pleasure to welcome you all to this National Conference on "Research Innovations in ICT and Computing Technologies" (NCRIICT-2023).

This conference covering a wide spectrum of topics along with keynote addresses and Invited Talks and deliberations on different topics would provide the right mix of knowledge to enlighten you all with the latest development in ICT and Computing Technologies.

I am hopeful that we would be able to meet the expectations of our esteemed guests and all the members of the Organizing Committee of NCRIICT-2023. We are anxiously waiting for your arrival and wish you a successful, enjoyable & memorable conference.

**Dr. A. A. Halder**  
Organizing Secretary  
NCRIICT-2023



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## SCHEDULE



Dr. Panjabrao Alias Bhausaheb Deshmukh's 125<sup>th</sup> Birth Anniversary Year  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Centenary Year



NATIONAL CONFERENCE ON **RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES (NCRICT-2023)** March 27-28, 2023 Organized by Department of Computer Science  
Shri Shivaji Education Society, Amravati's **SCIENCE COLLEGE, Congress Nagar, Nagpur**  
**SCIENTIFIC PROGRAMME SCHEDULE: March 27-28, 2023**

Date: 27/03/2023	
Time	Particulars
09:00 am to 10:30 am	Registration & Breakfast
10:30 am to 11:45 am	Inauguration
11:45 am to 12:00 Noon	Tea Break
12:00 Noon to 01:00 pm	Keynote address by Hon'ble Prof. Rajiv Dharaskar
01:00 pm to 02:00 pm	Lunch
02:00 pm to 03:15 pm	2 Invited Talks
03:15 pm to 03:30 pm	Tea Break
03:30 pm to 05:00 pm	Paper Presentation

Date: 28/03/2023	
Time	Particulars
09:00 am to 10:00 am	Breakfast
10:00 am to 11:30 am	2 Invited Talks
11:30 am to 11:45 am	Tea Break
11:45 am to 01:00 pm	2 Invited Talks
01:00 pm to 02:00 pm	Lunch
02:00 pm to 03:30 pm	Paper Presentation
03:30 pm onwards	Valedictory

**Day1**  
**Date: 27/03/2023**

**Invited Talk (IT) Venue: Conference Hall (Block-B, 4<sup>th</sup> Floor)**

<b>Time</b>	<b>Particulars</b>	<b>Chairman</b>	<b>Speaker</b>	<b>Title</b>
<b>02:00 pm to 03:15 pm</b>	<b>IT1 (35 Min)</b>	<b>Prof. Vinay Chavan</b> Principal, S. K. Porwal College, Kamptee, Nagpur.	<b>Prof. Manu Pratap Singh</b> Director, Institute of Engineering & Technology, Dr. Bhimrao Ambedkar University, Agra	<b>“Pattern Recognition Using Machine Learning Techniques”</b>
	<b>IT2 (35 Min)</b>		<b>Prof. Ramesh Manza</b> Professor Department of Computer Science and Information Technology, Dr BAM University, Aurangabad (MS) India.	<b>“Modeling and Performance Evaluation Techniques Using Python”</b>
<b>Tea Break 3.15 pm to 3.30 pm</b>				
<b>03:30 pm to 05:00 pm</b>	<b>Paper Presentation in four parallel sessions.</b>	<b>Prof. Ramesh Manza</b> Venue: Conference Hall (Block-B, 4 <sup>th</sup> Floor)	<b>Time Allotted: 10 minutes to each presentation - Parallel Session.</b>	
		<b>Prof. A. B. Sasankar</b> Venue. Padmashree Dr. Vijay Bhatkar Laboratory (Block-B, 3 <sup>rd</sup> Floor)		
		<b>Dr. G. S. Katkar</b> Venue: Advance Computing Centre (Block- B, 1 <sup>st</sup> Floor)		
		<b>Prof. Satish J. Sharma</b> Venue: M.Sc. Laboratory (Block-B, 1 <sup>st</sup> Floor)		

**Day2**  
**Date: 28/03/2023**

**Invited Talk (IT) Venue: Conference Hall (Block-B, 4<sup>th</sup> Floor)**

<b>Time</b>	<b>Particulars</b>	<b>Chairman</b>	<b>Speaker</b>	<b>Title</b>
<b>10:00 am to 11:30 am</b>	<b>IT1 (45 Min)</b>	<b>Prof. Satish J. Sharma</b> Professor and Head Department of Electronics and Computer Science, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	<b>Dr. Sagar Jambhorkar</b> Department of Computer Science National Defence Academy, Pune.	<b>“IoT-Based Security: Challenges and Opportunity”</b>
	<b>IT2 (45 Min)</b>		<b>Prof. V M Thakare,</b> EX PROF & HOD, Department of Computer Sc. & Engg. SGB Amravati University, Amravati. Maharashtra, India.	<b>“Robotics and its design using various computing technologies”</b>
<b>Tea Break 11.30 am to 11.45 am</b>				
<b>11:45 am to 01:00 pm</b>	<b>IT3 (35 Min)</b>	<b>Prof. V. M. Thakare</b> EX PROF & HOD, Department of Computer Sc. & Engg. SGB Amravati University, Amravati. Maharashtra, India.	<b>Mr. Amit Kale</b> Associate Vice President, Engineering, GlobalLogic, Nagpur.	<b>“Technology Trends and Adoption”</b>
	<b>IT4 (35 Min)</b>		<b>Dr. S. B. Kishor</b> Head, Dept. of Computer Science, SP Mahavidyalaya, Chandrapur, Maharashtra, India.	<b>“The Importance of ChatGPT in Improving Research Productivity and Effectiveness: Opportunities and Challenges for Researchers”</b>
<b>Lunch Break 01:00 pm to 02:00 pm</b>				
<b>02:00 pm to 03:15 pm</b>	<b>Paper Presentation in four parallel sessions.</b>	<b>Dr. Sagar Jambhorkar</b> Venue: MCA Laboratory (Block-B, 1 <sup>st</sup> Floor)	<b>Time Allotted: 10 minutes to each presentation - Parallel Session.</b>	
		<b>Dr. Mrs. A. S. Khandelwal</b> Venue: Padmashree Dr. Vijay Bhatkar Laboratory (Block-B, 3 <sup>rd</sup> Floor)		
		<b>Dr. S. B. Kishor</b> Venue: Advance Computing Centre (Block-B, 1 <sup>st</sup> Floor)		
		<b>Dr. Ujjwal Lanjewar</b> Venue: M.Sc. Laboratory (Block-B, 1 <sup>st</sup> Floor)		
<b>Tea Break 3.15 pm to 3.30 pm</b>				
<b>Valedictory Function 3.30 pm</b>				

## Keynote Address

**Dr. Rajiv V. Dharaskar**

Director,

Indian Institute of Information Technology (IIIT),

Kottayam, Kerala

The IT world is very dynamic. IT Landscape continually changes. Every day new innovative and game-changing technologies are introduced. In the last decade, many new innovative technologies have dominated the market such as AI, Machine Learning, Deep Learning, Predictive Analytics, Data Science, Blockchain, Edge computing, Cloud Computing and Migration, Fog computing, IoT, Internet of Behaviours, Quantum Computing, Robotic Process Automation, 5G technology, 3D printing, Extended Reality including AR & VR, Cyber Security, FinTech, Chatbot, Wearables Technology, Big Data, Digital twins, NLP, Autonomous vehicles, Smart Devices, Genomics, Mobile technology, Full Stack Development, DevOps, Hyper-Automation, Low-Code Services, Drone technology, Human-Computer Interaction, Brain-Computer Interaction, IT and Health care technologies and so on.

Let's see a few innovative technologies that have changed our world as well as day-to-day life, rather they are part of our life. Daily we are using these technologies sometimes knowingly and sometimes unknowingly such as Mobile phones, Wi-Fi, Voice assistants such as Amazon's Alexa & Google's Assistant, Bluetooth, Virtual Private Networks, Bitcoin, Cryptocurrency and Blockchain, MP3, and MP4, Facial recognition for surveillance, AI, Drones for delivery of items, Social networking, 3D printing, Video streaming, and Music-streaming, Mobile Apps, and very soon Autonomous vehicles, RFID, Virtual reality-based computer-generated movies, Videoconferencing, tablets and laptops, and so on.

These technologies affect our living styles such as:

- **Communication:** WhatsApp has reduced the role of Email and SMS, and Mobile has already replaced Landline phones
- **Entertainment:** Use of VR for making films, the role of YouTube, Web Channels, online newspapers, magazines, books, songs, Video Games, Audio readers, calorie burn calculator during walking, Google Glass, etc.
- **Education:** Online learning and e-learning, Digital libraries, Dictionary, Game-based learning used for teaching Business Management courses, Simulation for teaching Medical courses such as human anatomy, For teaching different languages, Online Education Platforms,
- **Travel:** Business Meetings are Replaced by Online meetings through video conferencing, GPS and Google Maps guide us in traveling, Flight / Train ticket booking, Fast-track payments, GPS-based vehicle tracking systems,
- **Financial Transactions:** a variety of online payment systems, Bitcoin, Mobile banking, taxi, and hotel booking.
- **Hotels & Hospitals:** use of Robot for services during corona, smart watches for monitoring health parameters, telemedicine, remote monitoring of critical patients
- **Mobile device** with hundreds of functions such as photography, videography, music player, reading books, Magnifier, Mirror, social media, video conferencing, resilience camera, online storage, watching TV, etc.
- **Manufacturing** sector is dominated by automation.

Everybody wants to do innovation. Unfortunately, innovation is a buzzword but it is mostly misunderstood. There are many misconceptions about innovation. These misconceptions are deeply buried in our subconscious minds. I have tried to address hundreds of such issues in my 650 pages book namely, “Innovation – Growth Engine for Nation – Nice Buzzword but Often Misunderstood”, which is free to download and available on many websites. Today I would like to discuss a few of them with you.

Director,  
Indian Institute of Information Technology (IIIT) Kottayam  
An Institute of National Importance

## Invited Talk

### Pattern Recognition Using Machine Learning Techniques

**Prof. Manu Pratap Singh**

Director, Institute of Engineering & Technology,  
Dr. Bhimrao Ambedkar University, Agra

Pattern recognition is an area in machine learning in which most of the research is concentrating. It includes pattern association, pattern classification, pattern mapping, feature mapping, pattern clustering and many more. Generally, all these terms are considered as the pattern recognition. Pattern recognition is the study of how machine can observe the environment, learn to distinguish patterns of interest from their background and make sound and reasonable decisions about the categories of the patterns. Despite more than 50 years of research, design of general-purpose machine pattern recognizer remains an elusive goal. Pattern recognition and its application have been studied from very long period. There are various methods have been proposed to accomplish the task of pattern recognition. The domain of pattern recognition has been considered mostly for the handwritten curve script or character recognition. The new stage in the evolution of handwriting processing results from a combination of following elements

- (i) Improvement in recognition task
- (ii) The use of complex systems integrating several kinds of information.
- (iii) The choice of relevant application domains.
- (iv) New technologies such as high quality and high-speed scanners and in expensive powerful processors.

Methods and recognition rates depend on the level of constraints on handwriting. The constraints are mainly characterized by the types of handwriting, the number of scripiter and the spatial layout recognition strategies; those heavily depend on the nature of the character set to be recognized. Recognition becomes more difficult when the constraint decreases. Intense activities were devoted to the character recognition problem during the seventies of the eighties and pretty good results have been achieved. Generally, character recognition techniques can be classified based on two criteria:

- (i) The way pre-processing is performed on the data.
- (ii) The type of the decision algorithm.

Further, the machine learning techniques specifically the statistical inferencing namely Bayesian network, Gaussian mixture models (GMMs), Hidden Markov models, Regression techniques, support vector machine, principle component analysis, similarity matrix, K-means and decision tree are used for the pattern classification of images. The image recognition became the popular domain in the pattern recognition. A non-parametric approach for the pattern recognition task gained popularity due to its ability of learning, adaptation and flexibility. This is considered as the biological inspired computing and further connectionist network and later on neural networks techniques. It started from perceptron model and expanded to ADALINE, MADALINE, Multilayer feed forward neural networks and Deep Neural networks. This approach has been classified in supervised learning, unsupervised learning, and reinforcement learning. It can be further visualized in the form of distributive learning and competitive learning. Initially the artificial neural networks is considered for the various pattern recognition tasks specifically the pattern association and pattern mapping for

the images and object recognition. Later on, the deep learning techniques namely convolutional neural networks, Autoencoder, Restricted Boltzmann machine, Long short term memory networks, Recurrent neural networks and Generative Adversarial Networks dominated over other conventional machine learning methods. The ability of deep neural network models for feature map extraction without any hand drafted pre-processing methods makes it more flexible and effective for the pattern recognition.

In general, the term machine learning refers to the automated detection of meaningful patterns in data. It simply exhibits the set of techniques those are providing the ability in the computer machines that it can learn from available past data or experimental observations, previous trends, or experiences. Thus, these techniques are making the computer an intelligent machine which can evolve the process of converting experiences or data into expertise or knowledgeable. Therefore due to these capabilities, in the past couple of decades machine learning has become a common tool in almost any task that requires information retrieval & extraction from large dataset, determining the pattern and trends from the Big & unstructured data and prediction or estimation for future trends in various applications, Hence, we are surrounded by a Machine Learning-Based Technology like search engines that learns how to bring us the best results with the automated and unwanted profitable advertisements, anti-spam software learns to filter the email messages and credit card transactions are secured with the use of machine learning techniques to learn how to detect frauds. Digital cameras learn to detect faces and intelligent personal assistance applications on smart phones learn to recognise voice commands and also to identify the voices and also understand the contents from speeches. Besides these cars are equipped with accident prevention system that are built using machine learning algorithms. Machine learning is also widely used in scientific applications such as bioinformatics, medicine and astronomy. There is also a very important domain in which the machine learning is playing a very crucial role. It is the Big data analysis. In the modern age of Internet of Things (IoT) a large amount of data (uncountable) is emerging in every second. This data is in various forms like text, video, sounds, images & multimedia. Beside this most of the data which is emerging from various social media sites or for complex scientific problems is in unstructured form. This data has no use until the useful information or patterns do not extract. The extracted patterns information is further used for the decision making and analysis. Therefore, the machine learning techniques are becoming a useful tool for pattern recognition and big data analysis. One common feature of all these applications is that, in contrast to traditional computer programming, due to the complexities of the pattern that need to be detected from the given big data a programmer cannot provide an explicit well-defined specifications or rules of how such tasks should be executed. Taking examples from intelligent beings, many of our skills are required or refined through learning from our experience rather than following explicit instructions given to us. Therefore, the machine learning techniques are concerned with endowing programs or automated program with the ability to learn and adapt. Thus machine learning techniques are specified class of artificial intelligence which transmits intelligence to computers by learning the underling relationships among the data and making decisions without being explicitly programmed.

In recent years deep learning has generated tremendous success in a variety of application domain. This new field of machine learning has been growing rapidly and has been applied to most traditional application domains as well as some new areas that present more opportunities. It is successfully applying for the pattern classification or labelling for the large size of input in the form of images or sounds. Experimental results and recent development in research show state of the art performance using deep learning when compared to traditional machine learning approaches specifically in the field of image processing, computer vision, speech recognition,

machine translation, art, machine imaging, medical information processing, robotics and control, bioinformatics, natural Language Processing, cyber security, internet of things, cloud computing, sentiment analysis, face recognition, time series analysis, data mining and many others.

Since the 1950s, a small subset of Artificial Intelligence (AI), often called Machine Learning (ML), has revolutionized several fields in the last few decades. Neural Network (NN) is a subfield of Machine Learning, and it was this subfield that spawned Deep Learning. Multilayered neural networks have been unsuccessful for a long time as they have consistently achieved local optimal solution. In addition, interest in multi-layered neural network has not been more significant for a long time because the processing power of big data has increased too much. Beside this, the emergence of internet of things & problem of analysing the data or in fact big data explored the possibility of new architecture and mode as learning in machine through those problems can address. Since a two-stage strategy has been proposed for training deep efficiently which are pre-training and fine-tuning with respectively. It has in fact the first step to increase the interest in deep learning. After that a great success has been achieved in the ImageNet competition which is the most brings in competition in the object recognition field. This success achieved great reactions in the academy and increased interest in deep learning. Deep learning uses either deep architecture of learning or hierarchical approaches. It is a class of machine learning which are basically used to handle the large size data or big data. The deep learning consists of several layers in between the input and output layers which allows for many stages of non-linear information processing units with hierarchical architectures to be present that are exploited for feature learning and pattern classification. Therefore, deep learning has been described as a Universal learning approach that is able to solve almost all kind of problems in different application domain.

## Invited Talk

### Modeling and Performance Evaluation Techniques Using Python

**Ramesh Manza**

Professor

Department of Computer Science and Information Technology,

Dr BAM University, Aurangabad (MS) India-431004

[rrmanza.csit@bamu.ac.in](mailto:rrmanza.csit@bamu.ac.in)

#### **Abstract:**

Data Science is basically that field of computer science with the help of which computer systems can provide sense to data in much the same way as human beings do. In simple words, Data Science is a type of artificial intelligence that extract patterns out of raw data by using an algorithm or method. The key focus of Data Science is to allow computer systems to learn from experience without being explicitly programmed or human intervention. Various topics cover during the talk will be:

1. Basics of Python
2. To learn data pre-processing
3. Data Visualization
4. Various classification and clustering algorithms
5. Performance measures of model

In details the contents covered during session will be:

#### **Python - Ecosystem:**

An Introduction to Python, Strengths and Weaknesses of Python, Installing Python, Using Pre-packaged Python Distribution: Anaconda, Jupyter Notebook, Types of Cells in Jupyter Notebook, Data representation in Pandas, Data frame, Scikit-learn.

#### **Data Loading:**

Consideration While Loading CSV data, Methods to Load CSV Data File, Load CSV with NumPy, Load CSV with Pandas.

#### **Understanding Data with Statistics:**

Introduction, Looking at Raw Data, Checking Dimensions of Data, Getting Each Attribute's Data Type, Statistical Summary of Data, Reviewing Class Distribution, Reviewing Correlation between Attributes, Reviewing Skew of Attribute Distribution.

#### **Understanding Data with Visualization:**

Introduction, Univariate Plots: Understanding Attributes Independently, Multivariate Plots: Interaction Among Multiple Variables.

#### **Preparing Data:**

Introduction, Data Pre-processing Techniques, Scaling, Normalization, Types of Normalization, Binarization, Standardization, Data Labeling, Label Encoding

#### **Data Feature Selection:**

Importance of Data Feature Selection, Feature Selection Techniques, Univariate Selection, Recursive Feature Elimination, Principal Component Analysis (PCA), Feature Importance.

#### **Classification:**

Introduction to Classification, Types of Learners in Classification, Building a Classifier in Python, Importing necessary python package, Importing dataset, Organizing data into training & testing sets, Model evaluation, finding accuracy, Classification Evaluation Metrics, Confusion Matrix, Precision, Recall or Sensitivity, Specificity.

### **Various Classification Algorithms:**

- Logistic Regression
- Support Vector Machine (SVM)
- Decision Tree
- Naïve Bayes
- Random Forest

### **Classification Algorithms - Logistic Regression:**

Introduction to Logistic Regression, Types of Logistic Regression, Binary or Binomial, Multinomial, Ordinal, Logistic Regression Assumptions, Binary Logistic Regression model, Multinomial Logistic, Regression Model

### **Outcome of topic:**

At the end of this talk participants of any discipline can able to apply the data analysis techniques on their research results. They may be understand various options to represent the data along with model performance measurements so that they may be able to uplift their research quality publication. Various examples has been covered to demonstrate the uni variant as well as multi variant prediction using regression analysis model. This concept has been demonstrated using Python. Coding has been covered start from loading of dataset, importing all necessary libraries, mathematical expressions, testing of model by putting the obtained values of coefficient and intercept. Then coding has been covered to do calculation of cost function i.e. MSE to verify the working of model and fixed up the values of number of iteration, m and b etc. During the discussion of cost function value and its optimization number different values will be given as input and finally fixed up the optimum values. This concept is very much useful for calculating cost function to decide which line is optimum which out of multiple which are passes through data point in scatter plot. Then discussion will be extended by taking another data set of breast cancer and applying classification followed by calculating its performance measurement. It will also demonstrate to split the dataset into two parts namely testing and training. Python code will be discussed to do splitting of data set. Then the process of labeling, converting dataset into binary etc will also be discussed. Then the classification will be applied to group the dataset into two categories. Finally, the performance measurement will be done based on confusion matrix, accuracy, specificity etc. Other terms will also be demonstrated like: TP, TN, FP and FN which are necessary to do performance measurements of classification. Overall, it will be very nice discussion. By following these concepts one can easily develop their good UG or PG Projects, dissertation, Thesis, researcher papers etc.

## Invited Talk

### RESEARCH INNOVATIONS IN ICT – ROBOTICS AND ITS DESIGN USING VARIOUS COMPUTING TECHNOLOGIES

**Prof. V. M. Thakare,**  
Former Head, PGTD-CSE,  
Sant Gadge Baba Amravati University, Amravati

Robotics is an interdisciplinary branch of computer science and engineering. Robotics involves the design, construction, operation, and use of robots. The goal of robotics is to design machines that can help and assist humans.

**Robotic technology** is converging with a wide variety of complementary technologies like – machine vision, force sensing (touch), speech recognition and advanced mechanics and many others

When it comes to robots, reality still lags science fiction. But, just because robots have not lived up to their promise in past decades does not mean that they will not arrive sooner or later. Indeed, the confluence of several advanced technologies is bringing the age of robotics ever nearer – smaller, cheaper, more practical and cost-effective.

#### **The three laws of robotics**

A robot may not injure a human being or, through inaction, allow a human being to come to harm. A robot must obey orders given it by human beings except where such orders would conflict with the First Law. A robot must protect its own existence as long as such protection does not conflict with the First or Second Law.

#### **Aspects of any robot-** Brawn, Bone & Brain

#### **Purposes of any robot**

Industrial robots already at work, Robot intelligence, Boosting Competitiveness, Robotic Assistance, New Robot Configurations, Envisioning Vision, Robots already in use everywhere.

#### **Common Types of Robots**

Autonomous Mobile Robots (AMRs), Automated Guided Vehicles (AGVs), Articulated Robots, Humanoids, Cobots, Hybrids, Androids, .Cyborgs

#### **Fixed Vs. Nonfixed Location Robots**

Robots can also be broadly categorized in to two groups: those that move around their environment and those that do not.

**Mobile - AMR, AGV, Humanoids, Hybrids, Androids, Cyborgs** **Stationary -**  
Articulated Robots, Cobots.

#### **Robots Use Across Industries**

Businesses and government agencies use robotics in a variety of ways. All common robot types are deployed to enhance outcomes and reduce the burden on employees so they can focus on the most-valuable and most-critical tasks like -

Industrial, Farming and Agriculture, Healthcare, Logistics, Retail and Hospitality, Smart Cities,

**The Latest research innovations in Robotics, design and technology design** · Robear. The Robear is a high-tech teddy bear that helps to raise an elderly patient from a bed into a wheelchair. ...

- ASIMO. ASIMO is a humanoid robot developed by Honda.
- BionicSwift
- Spot.
- Bird-Legged Drone.
- RoBoHon.
- Nao.
- ElliQ.

**Most famous robot?** Sophia (robot)

**Most advanced robot**



World's most advanced robot, Ameca demonstrated at GITEX 2022 in Dubai. Created by Engineered Arts, Ameca is described as the "world's most advanced human shaped robot representing the forefront of human-robotics technology."

# Invited Talk

## Future Computing

**Dr. Swati Sherekar**

Professor & Director, IIL

Department of Computer Science & Engineering,  
SGB Amravati University, Amravati. Maharashtra, India

### **Abstract:**

Progress in computer technology over the last four decades has been spectacular, driven by Moore's Law, although Gordon Moore expressed his vision of progress simply in terms of the number of transistors that could be manufactured economically on an integrated circuit, the means of achieving this progress was based principally on shrinking transistor dimensions, and with that came collateral gains in performance, power-efficiency and, last but not least, cost.

Modern computers are found everywhere: homes, offices, businesses, hospitals, and schools, to name a few. Today's computers are smaller, faster, and cheaper than their predecessors. Some computers are the size of a deck of cards. Hand-held Personal Data Assistants and notebook computers or "ultra-lights" make users portable and give them the opportunity to work in a variety of places. These systems provide a wide range of connectivity and access to information on local, wide, and wireless networks. This gives users more convenience and more control over their time.

Future computers promise to be even faster than today's computers and smaller than a deck of cards. Perhaps they will become the zero size or size of coins and offer "smart" or artificial intelligence features like expert intelligence, neural network pattern recognition features, or natural language capabilities. These capabilities will allow users to more conveniently interact with systems and efficiently process large amounts of information from a variety of sources: fax, e-mail, Internet, and telephone. Already evident are some evolving cutting-edge applications for computer technology: wearable computers, DNA computers, virtual reality devices, quantum computers, machine learning technology, Big Data Analysis, augmented reality, surface computing, glass computing, IoT, pervasive computing, Ambient computing, deep learning, speech processing, cortana, siri, Alexa, bixby, 5G technology, 3D printing, haptic computing, HCI, BCI, Bio-inspired computing, block chaining, Robotics and optical computers.

The future will be the development of a human-wearable chip or card that stores all personal information and can be used to manage all kinds of transactions on all computational platforms. and database systems on wired/wireless computers are giving way to knowledge base systems on wireless mobile devices. All these mean that data storage and processing must be more efficient and secure. Security issues are now a major concern because more interactions and transactions are effected daily, as more and more people adapting computing technologies.

## **Invited Talk**

### **IoT-Based Security: Challenges and Opportunity**

**Dr. Sagar Jambhorkar**

Department of Computer Science  
National Defence Academy, Pune.

The Internet of Things (IoT) has revolutionized the way devices and machines communicate with each other, creating new opportunities for automation and efficiency. However, the proliferation of connected devices has also created new security challenges. Here we are focusing on the challenges and opportunities of implementation of IoT-based security solutions.

One of the main challenges of IoT-based security is the sheer scale and heterogeneity of devices. With billions of devices connected to the internet, it becomes difficult to ensure that each device is secure and that the data it transmits is safe from hackers. Additionally, IoT devices come in different shapes and sizes, with varying levels of computational power and security features. This heterogeneity makes it challenging to develop universal security standards that can be applied across all devices.

Another challenge of IoT-based security is the need to balance security with usability. Many IoT devices are designed for ease of use, with minimal or no authentication mechanisms. This makes them vulnerable to attacks such as brute-force attacks and phishing attacks. However, adding security measures such as passwords and two-factor authentication can make these devices more difficult to use, reducing their appeal to users.

Despite these challenges, IoT-based security also presents significant opportunities. One of the main advantages of IoT-based security is the ability to collect and analyze data from a large number of devices in real time. This can help to identify security threats and respond to them quickly, preventing data breaches and other cyberattacks. Additionally, IoT-based security can help automate security processes, reducing the need for human intervention and lowering the risk of human error.

In conclusion, IoT-based security presents both challenges and opportunities. While the sheer scale and heterogeneity of devices present challenges in ensuring security, the ability to collect and analyze data in real-time presents significant opportunities for identifying and responding to security threats. With the right security measures in place, IoT-based security can help create a safer and more secure world for all.

## Invited Talk

### The Importance of ChatGPT in Improving Research Productivity and Effectiveness: Opportunities and Challenges for Researchers

**Dr. S. B. Kishor**

Head, Dept. of Computer Science, SP Mahavidyalaya, Chandrapur

[sbk.social30@gmail.com](mailto:sbk.social30@gmail.com)

#### **Abstract:**

ChatGPT is a state-of-the-art artificial intelligence system designed to generate natural language in a way that is more sophisticated than previous language models. It uses a neural network architecture called a transformer and was trained on a massive dataset of text from the internet. ChatGPT plays vital role for researcher during research period. As AI continues to advance, it is important for researchers to embrace these technologies while maintaining the integrity of their research practices. However, it is important to note that ChatGPT is not perfect and may generate responses that are inaccurate or inappropriate in certain situations.

**Keyword:** ChatGPT, automation, research ethics, transparency, result validation, Text Generation, Language Translation, Experiential Design.

#### **Introduction:**

The advancement of artificial intelligence (AI) has provided researchers with numerous opportunities to streamline their research processes and generate more accurate and insightful findings. One such technology is ChatGPT, a state-of-the-art AI system that uses a neural network architecture to generate natural language in a more sophisticated manner than previous language models [1].

ChatGPT can be useful for research in several ways [2]:

- **Text Generation:** ChatGPT is capable of generating coherent and contextually relevant text on a wide range of topics. This can be helpful for researchers who need to generate large amounts of text, such as in writing research papers, summarizing articles, or creating reports.
- **Data Analysis:** ChatGPT can also be used to analyse and interpret large datasets of text. This can be helpful for researchers who need to extract insights from large amounts of data, such as in social media analysis or sentiment analysis.
- **Language Translation:** ChatGPT can translate text from one language to another with high accuracy. This can be useful for researchers who need to translate documents or articles from different languages to conduct comparative analyses.
- **Question Answering:** ChatGPT can answer complex questions with high accuracy. This can be useful for researchers who need to quickly find answers to specific research questions or conduct literature reviews.
- **Experiment Design:** ChatGPT can be used to generate variations of text for experimental design. This can be helpful for researchers who need to test the impact of different variables on language comprehension or language use. etc.

The integration of ChatGPT in research also raises important ethical and transparency concerns, such as ensuring appropriate interpretation and validation of results. This paper will

explore the opportunities and challenges associated with the use of ChatGPT in research, highlighting its potential impact on enhancing the efficiency and effectiveness of research.

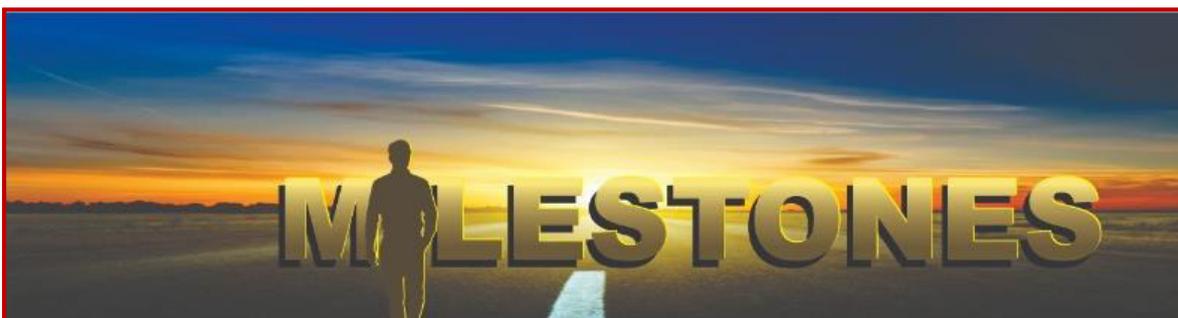
### **Discussion**

ChatGPT has the potential to save time and resources for researchers by automating tasks that would otherwise require significant manual effort. However, it is important to ensure that the use of ChatGPT in research is conducted ethically and transparently, and that the results are validated and interpreted appropriately. And one should consider it as only a tool and not expert like a researcher. Sole responsibility of research is complexly lie on researcher only

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Kishor Container: Slideshare.net Year: 2023 URL: <https://www.slideshare.net/DrSBKishor/researching-with-chatgtpptx>

# Milestones

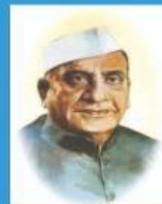


- 1960 Establishment in the Campus of DNC, Nagpur
- 1964 Independent Science College came into existence
- 1967 Recognition under 2F and 12B byUGC
- 1973 Construction of Elevated Lecture halls
- 1983 Introduced Microbiology and Statistics Departments
- 1984 Introduced Electronics and Geology Departments
- 1990 Introduced Computer Science at UG Level
- 1994 Introduced PGDCS & A Course
- 1998 Introduced M.Sc. (Computer Science)
- 2002 "FIVE STAR" Accreditation by NAAC, Bangalore
- 2003 Introduced Computer Maintenance (Vocational Course)
- 2004 Identified "College with Potential for Excellence" by UGC, New Delhi
- 2005 Introduced Biotechnology at UG Level
- 2005 Introduced M. Sc. (Microbiology)
- 2006 Introduced M. Sc. (Chemistry)
- 2008 Introduced PG Diploma in Nanotechnology
- 2009 "College with Potential for Excellence" phase-II
- 2010 "A Grade" Re-accreditation with CGPA 3.19
- 2010 Introduced BCA
- 2010 Construction of Girls Hostel
- 2011 Introduced M. Sc. (Physics)
- 2012 Introduced M. Sc. (Mathematics)
- 2012 Construction of Block-B
- 2012 Department of Chemistry Recognized as Research Centre
- 2012 Department of Microbiology Recognized as Research Centre
- 2012 International Conference on Mathematical Science (ICMS-12)
- 2012 INSPIRE Camp-I
- 2013 INSPIRE Camp-II
- 2014 "College with Potential for Excellence" phase-III
- 2015 INSPIRE Camp-III
- 2015 Department of Physics, Mathematics, Computer Science, Botany & Zoology Recognized as Research centres.
- 2016 INSPIRE Camp-IV
- 2016 Peer Team Visit for 3<sup>rd</sup> Cycle Re-accreditation
- 2016 Golden Jubilee Celebration
- 2016 INSPIRE Camp-V
- 2017 Reassessed with A+ Grade with CGPA 3.51
- 2017 Construction of Block-C
- 2017 International Conference on Life Sciences
- 2018 APQN Conference
- 2018 INSPIRE Camp-VI
- 2019 INSPIRE Camp-VII
- 2019 National Conference ISCA Sponsored
- 2019 INSPIRE Camp-VIII
- 2019 Status of Mentor College under Paramarsh Scheme





Shri Harshvardhan Deshmukh  
President



Dr. Panjabrao Deshmukh  
Founder President

# Shri Shivaji Education Society Amravati's Science College

Congress Nagar, Nagpur

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- 'A+' Grade with 3.51 CGPA (3<sup>rd</sup> Cycle) Re-assessment College by NAAC, Bangalore
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- Institutional Member, APQN (Asia Pacific Quality Network)
- A Mentor College Under UGC Paramarsh Scheme.
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- Courses at PG Level M.Sc. : 1) Microbiology 2) Chemistry 3) Mathematics 4) Computer Science 5) Physics & M.C.A.
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- Excellent computing facilities, Leased Line Internet with Wi Fi Campus, Video Conferencing, Audio Visual Lab, Conference Hall
- Vibrant Guidance-Counseling & Placement Cell.
- MoU with several reputed National/International organizations for Training & Placement.
- Hostel & Gym Facility for Girl Students.



Prof. Mahendra P. Dhore  
Principal

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Dr. Panjabrao alias Bhausaheb Deshmukh's 125<sup>th</sup> Birth Anniversary  
 Rashtrasant Tukadoji Maharaj Nagpur University Centenary Year

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2	Dr. Vijet Meshram	Dr. Ambedkar College	vijet.meshram@gmail.com	9373251263	Assistant Professor	Using Hardware Information in Authentication Schemes	Faculty Member/Professional	Yes	Rs. 1500/-	306281729844.00
3	Pooja Deepak Kavishwar	Shri Shivaji Science College	poojakavishwar@gmail.com	9075091757	Research Scholar	Effort and Cost benefit analysis of cloud Data Warehouse over Tra	Research Scholar	Yes	Rs. 1200/-	306294227540.00
4	Dr Rakesh K Dhaware	Dhote Bandhu Science College, Gondia	dhuwareakesh21@gmail.com	9075615486	Assistant Professor in Computer science		Faculty Member/Professional	No	Rs. 1500/-	MPS Trans id : 306308540429
5	Mrs. Asmita Dongaonkar	VMV Comm. JMT Arts. and JJP Sci. College Wardha	asmita.dongaonkar@gmail.com	8830366426	Assistant Professor	Ascertained challenges in Data lake Management with certain prop	Faculty Member/Professional	Yes	Rs. 1500/-	Net Banking
6	Pooja Ravindrakumar Yadav	Smt Radhikatai Pandav College, Nagpur	poojabhisikar95@gmail.com	9764311201	Student	Cloud Computing	Student	Yes	Rs. 1000/-	T2303041843560856202028
7	Dr. J. K. Keche	SSESA's Science College, Congress Nagar, Nagpur-	jkkeche@gmail.com	9850325524	Assistant Professor	HUMAN FACIAL EXPRESSION RECOGNITION TECHNIQUES: A	Faculty Member/Professional	Yes	Rs. 1500/-	NCRICT-23005
8	MOHAN VOOLLA	VARDHAMAN COLLEGE OF ENGINEERING	vmohan1182@gmail.com	9908633601	Asst. Professor		Research Scholar	No	Rs. 1200/-	306414987391.00
9	Sheetal Kumari	Central University of Jharkhand, Ranchi	sheetal.21190201002@cuja.ac.in	9931661817	Research Scholar	Significance of Pre – Processing Technique for Sentiment Analysis	Research Scholar	Yes	Rs. 1200/-	T2303051655500596343398
10	Mrs. Namrata Dinesh Sohane	R.T.M. Nagpur University Campus, Nagpur	namrata.sohane@gmail.com	9096961757	student	Security Issues in IoT Environment	Research Scholar	Yes	Rs. 1200/-	306452047525.00
11	Mithilesh Madhukar Wasu	Dept. of Electronics and Computer Science, PGTD, R	mithileshwasu546@gmail.com	8275289462	Research Scholar	A Review on Internet of Things (IoT) Architectures, Types, Commu	Research Scholar	Yes	Rs. 1200/-	T2303051756019078641186
12	Sagar Ashokrao Durge	Department of Electronics and Computer Science, PG	sagardurge40@gmail.com	7841850060	Research Scholar	Performance Evaluation Metrics in Machine Learning for Disease P	Research Scholar	Yes	Rs. 1200/-	T2303051756378233482069
13	Mrs. Namrata Dinesh Sohane	R.T.M. Nagpur University Campus, Nagpur India	namrata.sohane@gmail.com	9096961757	Student	Security Issues in IoT Environmen	Research Scholar	Yes	Rs. 1200/-	306452047525.00
14	Ram Kishun Mahto	Central University of Jharkhand	ramcu709@gmail.com	7091184888	Research Scholar	Utilizing Deep Learning and GANs for Medical Image Analysis and	Research Scholar	Yes	Rs. 1200/-	53531013@cbin0283465.ifsc.r
15	Rupa Rajakumari R Peter	Hislop College	ruparajakumari@gmail.com	09595855513	Assistant Professor	Exploring the evolution of time series model over time.	Research Scholar	Yes	Rs. 1200/-	30642234222.00
16	Shreya Yogesh Choudhary	G H Rasoni institute of engineering and technology na	31choudhary@gmail.com	9049634761	student	Real Time Facial Emotion and Gender Detection Using CNN with I	Student	No	Rs. 1000/-	T2303061045220832267123
17	Vishal Dnyaneshwar Daf	GH Rasoni Institute of engineering and technology Na	vishaldaf12@gmail.com	08605976570	Student	Real Time Facial Emotion and Gender Detection Using CNN with I	Student	No	Rs. 1000/-	T2303061052117256237439
18	Shweta Bhaulal Palewar	G H Rasoni instution of engineering and technology	shwetapalewar242@gmail.com	7038116384	student	Using Machine Learning Algorithms based on Air Quality Predictin	Student	No	Rs. 1000/-	306512063087.00
19	Prajyot Deepak Rangari	G H Rasoni institute of engineering and technology	prajyotrangari8@gmail.com	7030512833	student	Using Machine Learning Algorithms based on Air Quality Predictin	Student	No	Rs. 1000/-	306512599498.00
20	Sahil Deepak Kalve	G.H.Rasoni college of engineering and technology na	sahilkalve@gmail.com	7767866133	Student	A thorough study of deep learning methods for skin cancer diagnos	Student	No	Rs. 1000/-	306512599498.00
21	Pragati Satish Masharkar	G.H. Rasoni College Of Engineering And Technology	pragati.masharkar.mca@ghrietr.na	9767980532	student	A thorough study of deep learning methods for skin cancer diagnos	Student	No	Rs. 1000/-	T2303061346114126736713
22	Neetu Amiani & Priyanka Samarth	S.S.Maniar College of Computer and Management	priyankasamarth@ymail.com	7620272384	Assistant Professor	A study on Smart City Infrastructure using Applications of Blockcha	Research Scholar	Yes	Rs. 1200/-	306539619255.00
23	Mansi Nagalkar	S. S Maniar College Of Computer and Management	mansi.nagalkar@gmail.com	9763782234	Assistant Professor	Blockchain:Architecture and Decentralized System Challenges and	Research Scholar	Yes	Rs. 1200/-	151Q17VP2405
24	Mamta Baheti	Hislop College Nagpur	mamtabaheti4@gmail.com	8208695914	Assistant Professor	Prediction of Emotional Intelligence Quotient using Machine Learni	Faculty Member/Professional	Yes	Rs. 1500/-	T2303062247100595569602
25	Avanti Sudhir Joshi	G H Rasoni Institute of Engineering and Technology,	avanti.joshi.mca@ghrietr.rasoni.n	9881212193	Nagpur	A Review on Cloud computing - The business perspective	Student	No	Rs. 1000/-	306654027631.00
26	Dr. Pankaj Vasantrao Nimbalkar	Dr. Ambedkar College, Nagpur	pankajnimbalkar3@gmail.com	9011095977	Assistant professor	Improving part of speech tagging using Natural language processi	Faculty Member/Professional	Yes	Rs. 1500/-	306610352958.00
27	Pratibha Rashmi	Department of Computer Science, Dr. Bhimrao Ambe	pratibha.rashmi@gmail.com	89237861195	Assistant Professor	Dynamical sized Convolution Neural Networks with Stochastic Gra	Faculty Member/Professional	Yes	Rs. 1500/-	UPI
28	Prof. Swapnali G. Kadoo	Kamla Nehru Mahavidyalaya Nagpur	swapnali.kadoo@gmail.com	9730250509	Assistant Professor	An Overview of Soft Computing Techniques and Application Areas	Faculty Member/Professional	Yes	Rs. 1500/-	CICAgJDTqqX8VA
29	Bhagyashri Arvind Jagtap	Kamla Nehru Mahavidyalaya,Nagpur	bhagyashrijagtap@gmail.com	9518777946	Assistant Professor	An overview of Soft Computing Techniques and Application Areas	Faculty Member/Professional	Yes	Rs. 1500/-	T2303072046562170708230
30	Sumant Joshi	G.H. Rasoni Institute of Engineering and Technology,	sumantjoshi24@gmail.com	8208007688	MCA 2nd Year(Sem 4)	A Review paper on Cloud computing - The business perspective	Student	Yes	Rs. 1000/-	T2303072117220572245882
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32	Rasika Vasant Bodkhe	Kamla Nehru mahavidyalaya Nagpur	rasikabodkhe07@gmail.com	9975510247	Assistant professor	RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNO	Faculty Member/Professional	Yes	Rs. 1500/-	306734572156.00
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34	Sawari Rajendra Ghugare	G H Rasoni Institute of Engineering and Technology,	ghugaresawari@gmail.com	9021803042	Student	Error While Programming a Motivation for Beginners	Student	No	Rs. 1000/-	T2303081420249870238465
35	DR PRITAM RAJENDRA PATIL	SSBES INSTITUTE OF TECHNOLOGY AND MANAG	pritam.itm@gmail.com	9970044282	ASSISTANT PROFESS	Effectiveness of Instructional Technology to Promote Teaching and	Faculty Member/Professional	Yes	Rs. 1500/-	UBINJ23067095227
36	Aditi Dhananjay Katarkar	G H RASONI INSTITUTE OF ENGINEERING AND T	aditi.katarkar16@gmail.com	07030208426	PG STUDENT	DIGITAL BANKING TECHNOLOGY IN INDIA: REVIEW	Student	No	Rs. 1000/-	7030208426@paytm
37	Hitesh Nanaji Takone	G H Rasoni Institution Of Engineering And Technolo	hitesh.takone.mca@ghrietr.rasoni	8484854100	PG Student	Digital Banking Technology In India:Review	Student	No	Rs. 1000/-	7030208426.00
38	Falguni P. Deshmukh	G. H. Rasoni Institute of Engineering and Technology	falguni.deshmukh.mca@ghrietr.ra	7350710905	Student		Student	No	Rs. 1000/-	306750972026.00
39	Puja M. Dadhe	Shivaji Science College, Nagpur	poojadadhe@gmail.com	+917276266004	Assistant Professor	A Machine Learning Based Approach for Twitter Sentiment Analys	Research Scholar	Yes	Rs. 1200/-	306786357838.00
40	Dr. Arvind Arjunrao Tayade	G. S. Science, Arts and Commerce College, Khamga	arvindtayade40@gmail.com	9823577006	Assistant Professor	Efficient and Secure Image Encryption Algorithm and Visual Encry	Faculty Member/Professional	Yes	Rs. 1500/-	UPI
41	Viraj Ambulkar	G H Rasoni Institute of engineering and technology	virajambulkar51@gmail.com	8329477746	Student	DJANGO - FUTURE PERSPECTIVE	Student	No	Rs. 1000/-	Net banking
42	Saurabh Vijay Kshirsagar	G H Rasoni Institute of Engineering & Technology Na	saurabh.kshirsagar.mca@ghrietr.r	7875224565	Student	The Role of Social Networks for Spreading Misinformation	Student	No	Rs. 1000/-	306867676614.00
43	Sahil Nileshkumar Dahale	GH Rasoni Institute Of Engineering And Technonolo	sahil.dahale724@gmail.com	9657400682	Student	Study of smart homes using IoT devices and system	Student	No	Rs. 1000/-	T2303091136371134112791
44	Shreya Gajanan Chandurkar	G H Rasoni Institute of Engineering and Technology,	shreya.g.chandurkar@gmail.com	8552884131	PG student	Study of smart homes using IoT devices and systems.	Student	No	Rs. 1000/-	T2303091135439718767373
45	SHUBHAM MAROTI PATHODE	G H Rasoni Institute of Engineering and Technology,	pathodeshubham12@gmail.com	9673063920	Student	The Impact of Digital Banking on Customer Satisfaction	Student	No	Rs. 1000/-	306871733295.00
46	Vijay Narvadaprasad Sondhiya	G H Rasoni Institute of Engineering & Technology, N	vjsondhiya1999@gmail.com	9359829375	Student		Student	No	Rs. 1000/-	
47	Rohini Dhananjay Dhage	VMV Commerce, JMT Arts & JJP Science College, N	rohinihdhage@gmail.com	9867585292	Assistant Professor	A Comprehensive study of HDFS problems and proposed valuable	Faculty Member/Professional	Yes	Rs. 1500/-	306811839990.00
48	Saniya Khan	GH Rasoni institute of information technology	khansaniya8497@gmail.com	9665995092	Student	children and social media	Student	Yes	Rs. 1000/-	T2303091259128694984493
49	Mohini Ramdas Gayki	G H Rasoni Institute of Engineering and Technology	mohinirgayki@gmail.com	95957678730	Student	Childrens and social media	Student	No	Rs. 1000/-	T2303091328217295115615
50	Pranjali Gujar	G.H Rasoni Institute Of Engineering And Technology	pranjalig64@gmail.com	9096029831	Student	Django-Future Perspective	Student	No	Rs. 1000/-	Net Banking
51	Isha Vilas Loharkar	GH Rasoni Institute of Engineering and Technology N	loharkar@gmail.com	7798667917	PG Student	Study of Air Pollution Monitoring System	Student	No	Rs. 1000/-	
52	Dr. Varsha C. Pande	Shivaji Science College, Nagpur	varshapande.var@gmail.com	7972664721	Assistant Professor	Summarization Techniques for Text Data: A Review	Faculty Member/Professional	Yes	Rs. 1500/-	306841139859.00
53	Mrs. Namrata Dinesh Sohane	R.T.M. Nagpur University Campus, Nagpur	Namrata.sohane@gmail.com	9096961757	Student	Security Issues in IoT Environment	Research Scholar	Yes	Rs. 1200/-	306452047525.00
54	Dr. Vaibhav Bhedi	VMV comm., JMT Arts and JJP Science College	vaibhav_bhedi@rediffmail.com	9403016026	Associate Professor	A Comprehensive study of HDFS problems and proposed valuable	Faculty Member/Professional	Yes	Rs. 1500/-	306811840952.00
55	Amit Bhayyaji Rehapade	Santaji Mahavidyalaya,Nagpur	amitrehapade@gmail.com	9370992005	Assistant professor	Precision Farming-Next Agricultural Revolution	Faculty Member/Professional	Yes	Rs. 1500/-	306814394380.00
56	Shubhangee B. Raipure	G. H. Rasoni college of commerce, science and tech	shubhangeeraipure5@gmail.com	8600148200	Assistant Professor	Cloud Service Selection to Minimize Response and Improves Thro	Research Scholar	Yes	Rs. 1200/-	T2303091405320574355927
57	Dr. Ritesh Shrikant Sule	Ranibai Agnihotri Institute of Computer sci. & informa	kriteshsule@gmail.com	9175885185	Asst. Professor	NETWORK SECURITY:ISSUES AND CHALLENGES	Faculty Member/Professional	Yes	Rs. 1500/-	T2303091618012784355322
58	Ankit Nagarkar	G. H. Rasoni Institute of Information Technology (Aut	aknagarkar01@gmail.com	7038558530	Student	Application of Virtual Reality in construction site modelling for mon	Student	Yes	Rs. 1000/-	306876324587.00
59	Dr Abha Sunil Khandelwal	Hislop College, RTM Nagpur University, Nagpur	abha.ak@gmail.com	9665045780	Ex-HOD Computer Scie	Summarization Techniques for Text Data: A Review	Faculty Member/Professional	Yes	Rs. 1500/-	GPay
60	Vishal Radheshyam Bisen	G H Rasoni Institute of Engineering and Technology	vishal.bisen.mca@ghrietr.rasoni.n	08411817753	Student		Student	No	Rs. 1000/-	306845734404.00
61	Nikita Pandey	G.H. Rasoni Institute of Engineering and Technology,	nikita.pandey.mca@ghrietr.rasoni	9665641008	Student	Application of Virtual Reality in construction site modelling for mon	Student	Yes	Rs. 1000/-	306823458486.00
62	Atharva Arvind Selokar	G H Rasoni Institute Of Engineering and Information	Atharva.selokar.mca@ghrietr.rais	8080094783	Student	Study on Android application development	Student	No	Rs. 1000/-	306825218313.00
63	Bhargavi Sachin Velankiwar	G.H. Rasoni Institute of Engineering and Technology,	bhargavi.velankiwar.mca@ghrietr.	8624029557	Student	Study of air pollution management system	Student	No	Rs. 1000/-	T2303091800121224340128
64	Abhishek Anna Giradkar	G H Rasoni Institute of Engineering and Technology	abhishekgiradkar680@gmail.com	9689688103	Student	Traffic control using opencv and python	Student	No	Rs. 1000/-	Net Banking
65	Atharva Shailendra Muley	G H RASONI INSTITUTE OF ENGINEERING AND T	atharva.muley.mca@ghrietr.rason	9373399359	Student	Evolution of Artificial Intelligence	Student	No	Rs. 1000/-	T2303091904344665115366
66	Dhruv Narendra Bawane	G H Rasoni institute engering and technology nagpur	dhruv.bawane61@gmail.com	8788766833	(Intern)	Custom Application Development in Cloud Environment: Using Sa	Student	Yes	Rs. 1000/-	306850698446.00
67	Prajwal Dandekar	G H Rasoni Institute of Engineering and Technology	prajwaldandekar4889@gmail.com	7057504889	Student	Traffic Control Using Opencv and Python(TCOP)	Student	No	Rs. 1000/-	Net Banking
68	Gaurav Yashvantrao Deshmukh	G H Rasoni Institute of Engineering and Technology,	gaurav.deshmukh.mca@ghrietr.ra	8080789204	Student	Review on Python for Data Science	Student	No	Rs. 1000/-	306880627738.00
69	Krunal Ramesh Hanwate	G. H. Rasoni Institute of Engineering & Technology	krunal.hanwate.mca@ghrietr.raiso	8530191775	Student	Evolution of Artificial Intelligence	Student	No	Rs. 1000/-	T2303091939025073533153
70	Sakshi G. Sakhare	G H Rasoni Institute of Engineering and Technology,	sakshi.sakhare.mca@ghrietr.raiso	9145476110	Student	A Comparative Study on Customer Segmentation based on Machi	Student	Yes	Rs. 1000/-	306830929568.00
71	Shweta Sanjay Choudhary	G.H. Rasoni Institute of Engineering and Technology,	shweta.choudhary.mca@ghrietr.ra	7447306458	Student	A Comparative Study on Customer Segmentation based on Machi	Student	Yes	Rs. 1000/-	T2303091953440774538593
72	Akruti Bhagat	G.H.Rasoni Institute Of Engineering And Technology	akrutibhagat01@gmail.com	9172487226	Miss	Resume Builder	Student	Yes	Rs. 1000/-	8605369798@ybl
73	Sakshi Mahiskar	G. H Rasoni Institute of Engineering and technology	sakshi.mahiskar.mca@ghrietr.rais	9049633051	Student	Effect of mobile use in school	Student	No	Rs. 1000/-	343469961184.00
74	Pooja Dilip Chatap	G H rasoni institute of engineering and technology, na	pooja.chatap.mca@ghrietr.rasoni.	9511780327	Student	Effect Of Mobile Phone Use In School	Student	No	Rs. 1000/-	343460055415.00
75	Dr. Harshala B. Pethe	Dr. Ambedkar College, Deekshabhoomi, Nagpur	harshalpethe@gmail.com	9766893426	Assistant Professor	Design and Implementation of hybrid cryptosystem using AES and	Faculty Member/Professional	Yes	Rs. 1500/-	306885191795.00
76	Yash Sanjay Katarpawar	G. H. Rasoni Institute of engineering and Technology	yash.katarpawar17@gmail.com	7020653013	Student	Custom Application in Cloud Environment using Salesforce	Student	Yes	Rs. 1000/-	animeshkhobragade14@oksb
77	Avanti Ashok Dhande	GHRIETN	dhandeavanti22@gmail.com	7038115601	Student	YouTube Transcript Summarizer Using Natural Language Process	Student	No	Rs. 1000/-	306885673188.00

78	RUPALI BHAUSAHEB SURVE	PRERNA COLLEGE OF COMMERCE	rupalisurve03@gmail.com	9764571913	Assignment Professor	Recurrent Neural Networks for Short-Term Weather Forecasting	Research Scholar	Yes	Rs. 1200/-	UPI
79	Abhishek Sapate	Gh rasoni Institute of Engineering and technology	abhi.sapate31@gmail.com	9146351289	Student	YouTube Transcript Summarizer Using Natural Language Process	Student	No	Rs. 1000/-	T2303092206381006301202
80	Sumit Mahendra Rahangdale	G H RAISONI INSTITUTE OF Engineering and Techno	sumit.rahangdale.mca@ghrietrn.rai	09822440370	Student	Study on Android application development	Student	No	Rs. 1000/-	306835761440.00
81	Ashvin Lad	G H Rasoni Institute of Engineering & Technology Na	ashvinlad1234as@gmail.com	09131033007	Student	Digital Watermarking In Image Using AES Algorithm	Student	Yes	Rs. 1000/-	T2303092234540357725407
82	Sushant Ashokrao Thakare	G.H rasoni institute of engineering and technology	isushantthakare45@gmail.com	9518317269	Student	Digital Watermarking In Image Using AES Algorithm.	Student	Yes	Rs. 1000/-	306836075719.00
83	Mayank Pradip Charpe	GH Rasoni Institute of Engineering and Technology,	charpemayank29@gmail.com	9175156036	PG Student	Scrutinization on Customer's Perception on Adoption of Digital Bar	Student	Yes	Rs. 1000/-	
84	Dhanashree Trimbak Deshmane	G H Rasoni Institute of Engineering and Technology	dhanashree.deshmane1999@gmail	8329635977	Student	Scrutinization on Customer's Perception on Adoption of Digital Bar	Student	Yes	Rs. 1000/-	T2303092229134693205309
85	Pratik santosh Lokhande	G.H.Rasoni institute of engineering and technology	pratik.lokhande.mca@ghrietrn.raiso	9923836901	Student		Student	No	Rs. 1000/-	T2303092309535451032249
86	Vaibhav Anil Handekar	G H Rasoni Institute of Engineering and Technology,	vaibhavhandekar3@gmail.com	8668938850	Student	The Impact of Blockchain Technology on Supply Chain Managem	Student	Yes	Rs. 1000/-	T2303092303427239281649
87	Nilesh Buradkar	G H Rasoni Institute Of Engineering And Technology	nileshburadkar55@gmail.com	7887405660	Student	The Impact of Block-Chain Technology on Supply Chain Managem	Student	Yes	Rs. 1000/-	T2303092252482692397482
88	kshiti suryabhan dhopte	GH RAISONI INSTITUTE OF ENGINEERING AND T	kshitijdhopte5@gmail.com	8888818059	STUDENT	IMAGE CAPTION GENERATOR	Student	No	Rs. 1000/-	306878211871.00
89	MAYUR SANJAY RAMTEKE	GH RAISONI INSTITUTE OF ENGINEERING AND T	mramteke80@gmail.com	7020213464	STUDENT	IMAGE CAPTION GENERATOR	Student	No	Rs. 1000/-	306878459395.00
90	KSHITIJ SURYABHAN DHOPT	GH RAISONI INSTITUTE OF ENGINEERING AND T	kshitijdhopte5@gmail.com	8888818059	STUDENT	IMAGE CAPTION GENERATOR	Student	No	Rs. 1000/-	306878211871.00
91	Priyanka	Central University of Jharkhand	priya.pai05@gmail.com	+918809533158	Research scholar	Comparison of different segmentation algorithm for the detection o	Research Scholar	Yes	Rs. 1200/-	306941212298.00
92	Dr. Rakhi Vyankatesh Vyaghra	Department of Electronics and Computer Science, RT	vrakhee@ymail.com	7719935964	Assistant Professor	Design of Microcontroller Based Anti-Theft Car Security System	Faculty Member/Professional	Yes	Rs. 1500/-	UPI Ref: 343507400380
93	DR Shweta Barhate	DECS RTMNU	Shwetab73@yahoo.com	8087188118	Assistant Professor	Dementia Detection Using Machine Learning: A Review	Faculty Member/Professional	Yes	Rs. 1500/-	pi transaction no: 3435070197
94	Madhuri R. Meshram	Nabira Mahavidyalaya,Katol	mihir25_2010@rediffmail.com	8626000606	Asstt Professor	A Survey of Detection of Schizophrenia using Machine Learning	Faculty Member/Professional	Yes	Rs. 1500/-	T2303101031086411032475
95	Shruti V Joshi	TGPCET, Nagpur	shrutij285@gmail.com	9970835063	Assistant professor	Machine Learning and Mental Disorder Prediction : A Scoping Rev	Research Scholar	Yes	Rs. 1200/-	306995509238.00
96	Reena Garg	St. John's College, Agra	gargreena14@gmail.com	+919760026082	Assistant Professor	Deep Feature Extraction of Fingerprint Images Using Convolution	Faculty Member/Professional	Yes	Rs. 1500/-	306911991727.00
97	Niraj Kumar	Central University of Jharkhand	nirajgupta78@gmail.com	09955142700	Research Scholar	Sequential Bi-LSTM with Attention Mechanism to Predict Emotion	Research Scholar	Yes	Rs. 1200/-	SBIN223069043500
98	Karuna Chintaman Khobragade	Dr. Khatri Mahavidyalaya, Tukum, Chandrapur	k12karuna@gmail.com	9823524609	Assistant Professor		Faculty Member/Professional	No	Rs. 1500/-	306962652423.00
99	Shikha Pawan Mourya	G. H. Rasoni, Nagpur	shikhamourya2498@gmail.com	6265898462	Student (MCA)		Student	No	Rs. 1000/-	T230309232236764006012
100	Kavita Gawhade	St. Francis de Sales College, Seminary Hills, Nagpur	kavita.sfscollge13@gmail.com	9022394352	Assistant Professor	Effective pattern discovery in text mining	Faculty Member/Professional	Yes	Rs. 1500/-	306928936855.00
101	Asddgf		Dafahs@gmail.com	6543215678	Asddf		Student	No	Rs. 1000/-	
102	Ayesha Begam Sheikh		ayeshasheikh752@gmail.com	9689627200	Web developer	E-Learning using Cloud Computing	Student	No	Rs. 1000/-	UTR:306904929694
103	Rushali Bhimrao Fulzele	GHRIET, Hingna Road, Nagpur	rushalifulzele79@gmail.com	8793485431	Student(MCA)	Study of Automation Testing Techniques	Student	Yes	Rs. 1000/-	306927500464.00
104	Akruti Thakur	G H Rasoni Institute of Engineering and Technology	akrutithakur3@gmail.com	7058828762	Student	The Role of Social Networks for Spreading Misinformation	Student	Yes	Rs. 1000/-	306835649283.00
105	Mrs. Swati S. Adekar	SSESA's Science College, Congress Nagar, Nagpur	ssk.0030@gmail.com	8956327405	Research Scholar	Review on Artificial Neural Network and Backpropogation Algorith	Research Scholar	Yes	Rs. 1200/-	306949785758.00
106	BIJU A	St Francis De Sales College,Nagpur	bijuangalees@gmail.com	9405750568	Assistant Professor	A Review of Invasive Ductal Carcinoma Detection using Deep Lea	Faculty Member/Professional	Yes	Rs. 1500/-	306949444538.00
107	Anupama Devendra Sakhare	Department of Electronics and Computer Science	adsakhare616@gmail.com	9405576882	Assistant Professor		Faculty Member/Professional	Yes	Rs. 1500/-	NEFT
108	Atharva Shailendra Muley	G H RAISONI INSTITUTE OF ENGINEERING AND T	atharva.muley.mca@ghrietrn.raison	9373399359	Student	Evolution of Artificial Intelligence	Student	Yes	Rs. 1000/-	T2303091904344665115366
109	Dr. Yogesh Sharadrao Rode	Jijamata Mahavidyalaya, Buldhana	ys.rode@gmail.com	9850854590	Assistant Professosr	Comparative Analysis of Breast Cancer Detection Using K-Neares	Faculty Member/Professional	Yes	Rs. 1500/-	230695676464.00
110	ALDE ANIL BHIMASHANKAR	S.R.T.M.U.N., Sub-Centre, Peth, Latur	anilalde77@gmail.com	9970311391	Research Scholar	Sharing Secured Secret data by Binary image using Visual Cryptog	Research Scholar	Yes	Rs. 1200/-	IMPS00224946313
111	Mugdha Mandar Ghotkar	VMV COMMERCE, JMT ARTS AND JJP SCIENCE C	mugdhamvm@gmail.com	9373388100	Assistant Professor	Comparative Analysis of Industrial Internet of Things Protocols	Research Scholar	Yes	Rs. 1200/-	306956197376.00
112	Krunal Ramesh Hanwate	G. H. Rasoni Institute of Engineering and Technology	krunal.hanwate.mca@ghrietrn.raiso	8530191775	Student	Evolution of Artificial Intelligence	Student	Yes	Rs. 1000/-	T2303091939025073533153
113	Ms. Rohini S. Bhagat	VMV College, Wardhaman Nagar, Nagpur	rohinihbhagat88@gmail.com	9145678344	Assistant Professor	Study of Cloud Scalability Challenges with proposed solutions	Faculty Member/Professional	Yes	Rs. 1500/-	306912443426.00
114	Winit Nilkanth Anandpwar	Dr. Ambedkar College, Deekshabhoomi, Nagpur	winit.anand@gmail.com	09767939131	Assistant Professor	"Optimisation of Medical Image Fusion and De-Noiseing with Altern	Research Scholar	Yes	Rs. 1200/-	306960116001.00
115	Dr. Dipak Vasudeo Bhavsagar	Seth Kesarimal Porwal College of Arts and Science a	dipakbhavsagar@gmail.com	9822945982	Associate Professor	CLOUD SERVICE PROVIDER SECURITY BASED PROTOCOL U	Faculty Member/Professional	Yes	Rs. 1500/-	306949239328.00
116	Sohini Banerjee	RTM Nagpur University, Nagpur	sohini.banerjee01021984@gmail.c	7020801538	Research scholar	ANALYSING COGNITIVE SKILLS OF CHILDREN USING MACHIN	Research Scholar	Yes	Rs. 1200/-	306914367972.00
117	Dr Kishor M Dhole	Seth Kesarimal Porwal College of Arts and Science a	km.phd108@gmail.com	09823666359	Assistant Professor	Cloud Service Provider Security Based Protocol Using Verifiability	Faculty Member/Professional	Yes	Rs. 1500/-	306960549121.00
118	Dr.Snehal Ashwin Narale	Dharampeth M.P.Deo Memorial Science College,Nag	snehal.narale16@gmail.com	9890336139	Assistant Professor	Dementia Detection Using Machine Learning a Review	Faculty Member/Professional	No	Rs. 1500/-	306968856102.00
119	Dr. PRASHANT PRABHAKARRAO	Dr. Ambedkar College, Deeksha Bhoomi, Nagpur	drprashantende@gmail.com	9822945982	Assistant professor	Important role of data warehousing and Data mining in business	Faculty Member/Professional	No	Rs. 1500/-	cbin Ref No 306921366519.
120	Dr. Madhura Chinchamatpure	G H Rasoni College of Commerce, Science and tech	madhura.naralkar@gmail.com	7972837852	Assistant Professor	Implementation of Clustering Techniques using Big Data Analytics	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT-23001
121	Nilesh Buradkar	G H Rasoni Institute of engineering and technology n	nileshburadkar55@gmail.com	7887405660	Student	The impact of blockchain technology on supply chain management	Student	Yes	Rs. 1000/-	
122	Sushant Ashokrao Thakare	G.H Rasoni Institute Of Engineering And Technology	isushantthakare45@gmail.com	9518317269	Student	Digital Watermarking in Image Using AES Algorithm.	Student	Yes	Rs. 1000/-	306836075719.00
123	Sushant Ashokrao Thakare	G.H Rasoni College of engineering	isushantthakare45@gmail.com	9518317269	Student	Digital Watermarking in Image Using AES Algorithm.	Student	Yes	Rs. 1000/-	306836075719.00
124	Mehar Arfi	Central University of Jharkhand	meehararfi@gmail.com	7004567908	Research Scholar	Pre-Processing Methods and its Application on Medical Imaging D	Research Scholar	Yes	Rs. 1200/-	307044770430.00
125	Sharad Shivappa Hegade	Shri Shivaji Education Society, Amravati's SCIENCE	sharad.hegade@yahoo.com	9503126656	Research Scholar	Review on Recent Trends in Data Security Implemented via Comb	Research Scholar	Yes	Rs. 1200/-	T2303111702370148023953
126	Chandrashekhar Shankarrao Tople	Dr S.C.Gulhane Prerna College of Commerce, Scienc	ctstople@gmail.com	9595401387	Assistant Professor		Faculty Member/Professional	No	Rs. 1500/-	307110079729.00
127	SHUBHAM MAROTI PATHODE	G H Rasoni Institute of Engineering and Technology,	pathodeshubham12@gmail.com	9673063920	Student	The Impact of Digital Banking on Customer Satisfaction	Student	Yes	Rs. 1000/-	306871733295.00
128	Mr. Abhijeet Gajananrao Kshirsagar	Department of Electronics, S.M.Mohota College of Sc	Kshirsagar.abhijeet1984@gmail.co	9096396953	Assistant Professor	An Embedded System : A Solution for Real Time Monitoring and C	Faculty Member/Professional	Yes	Rs. 1500/-	T2303122239293604763850
129	PROF. KRUTIKA BALRAM KAKPU	JSPM's Jaywantrao Sawant College of Engineering	krutika31.kakpure@gmail.com	9049610946	Assistant Professor	Exploring The Usefulness of Blockchain Technology in Digital Mar	Faculty Member/Professional	Yes	Rs. 1500/-	307136242577.00
130	Mohammad Abdul Rahman	Neil Gogte Institute of Technology	abdul.10c@gmail.com	9959153335	Asst Professor		Research Scholar	No	Rs. 1200/-	307210606503.00
131	Ms. Vaishali Gulabrao Belsare	Kamla Nehru Mahavidyalaya, Nagpur	vaishali.belsare@gmail.com	09503518176	Assistant professor	Resource Provisioning for Cloud Service Provider Using Load Bal	Research Scholar	Yes	Rs. 1200/-	
132	Ajay Deonath Nanwatkar	Dr S.C. Gulhane Prerna college of Commerce,Scienc	ajay.nanwatkar10@gmail.com	9021511019	Assistance Professor	"Impact and Opportunities of IoT on Communication Devices: A C	Faculty Member/Professional	Yes	Rs. 1500/-	T2303131024123814763277
133	Pooja Chandrashekhar Ukey	Department of Electronics and Computer science, RT	poojaukey123@gmail.com	7083193623	Student	Review of Feature Extraction for Handwritten Mathematical Symb	Research Scholar	Yes	Rs. 1200/-	CICAgJDzu_rEg
134	Rishika Pali	Shri Mathuradas Mohota College of Science, Nagpur	rishikapali111@gmail.com	7276789838	Assistant Professor		Faculty Member/Professional	No	Rs. 1500/-	307292097069.00
135	Reetu Awasthi	Rashtasant Tukadoji Maharaj Nagpur University	rituawasthi29@gmail.com	9130054034	Research Scholar	"State-of-the-Art Techniques for Sarcasm Detection in Textual Dat	Research Scholar	Yes	Rs. 1200/-	307292166535.00
136	Miss. Meenakshi Motwani	St. Francis De Sales' College Nagpur	meenakshi1999.mini.motwani@gm	8149387697	Assistant Professor	A Study of Pattern Recognition : Overview	Faculty Member/Professional	Yes	Rs. 1500/-	307243730338.00
137	Dr. Shilpa R Gedam	SSESA Science College Nagpur	shilpagedam2020@gmail.com	9890803473	Assistant Professor, Dept of Computer Science		Faculty Member/Professional	No	Rs. 1500/-	NCIICT-23007
138	SWATI S KHANDALKAR	SHIVAJI SCIENCE COLLEGE, NAGPUR	swatiskhandalkar@gmail.com	9420760592	ASSISTANT PROFESS	HEART DISEASE DIAGNOSIS BASED ON MACHINE LEARNING	Research Scholar	Yes	Rs. 1200/-	NCRIICT - 23002
139	Prof.Asfiya Shireen Shaikh Mukhtar	Shivaji science college Nagpur	asfiyashireen768@gmail.com	8668407509	Assistant professor	Deep Learning Based Firewall Anomalies prevention and Detectio	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT - 23006
140	Amol Ashokrao Bodkhe	Shivaji Science College ,Congress Nagar,Nagpur	amol26582@gmail.com	9423609630	Assistant Professor	A Survey of Data Visualization Techniques for Big Data	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT-23003
141	Dr. Shweta Shirpurkar	S. M. Mohota College of Science	shwetashirpurkar20@gmail.com	9975689996	Assistant Professor		Faculty Member/Professional	No	Rs. 1500/-	UPI
142	Chetana Vijay Bhojar	SMM college of science ,nagpur	chetanabhoyar@gmail.com	9689064840	Assistant Professor		Faculty Member/Professional	No	Rs. 1500/-	UPI
143	Dr. Santosh M. Chavan	Shri Shivaji Arts Commerce & Science College Akola	santoshchavan9881@gmail.com	8767139669	Assistant Professor	RECOGNIZING AND AVOIDING SPAM AND FAKE USER IDENT	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT23037
144	Dr. Dileep S. Sadhankar	St. Francis De Sales College, Seminary Hills, Nagpur	Dileep.sadhankar@gmail.com	9422555665	Assistant Professor	Using Text Mining for Business Analytics	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT23008
145	Abhijit Vijay Bokare	N H College Bramhapuri	abhijitbokare37@gmail.com	9422908186	Research Scholars	Robotics & Artificial Intelligence : The role of AI in Robots	Research Scholar	Yes	Rs. 1200/-	307322970251.00
146	Amar Manoharrao Sote	Arts, Commerce and Science College Arvi	amarasote1@gmail.com	09890994971	Asst. Professor	E west Management in India : A review	Faculty Member/Professional	Yes	Rs. 1500/-	307323851048.00
147	Anandi Janardan Mungole	Shivaji Science College Nagpur	alka.mungole@gmail.com	7038732741	Research Scholar	"Transforming Social Data into Visual Insights: A Review of 3D Vis	Research Scholar	Yes	Rs. 1200/-	NCRIICT23010
148	Dr. Ritesh Shrikant Sule	Ranibai Agnihotri Institute of Computer Science and I	kriteshsule@gmail.com	9175885185	Asst. Prof.	Network Security	Faculty Member/Professional	Yes	Rs. 1000/-	T2303091618012784355322
149	Dr. Ujwala S. Jughare	Shri Shivaji Science College, Amravati	usjughare@gmail.com	9049331840	Assistant Professor	Comparative Study of Scope of Big Data in Agriculture Field	Faculty Member/Professional	Yes	Rs. 1500/-	t2303141139055152086992
150	LEKHA N PRAJAPATI	Department of Electronics and Computer Science Na	lekhaprajapati26@gmail.com	9764571716	STUDENT	Study of Convolutional Neural Network to Masked Face Recogniti	Research Scholar	Yes	Rs. 1200/-	307330193828.00
151	Manish M.Chawale	Shivaji Science College, Nagpur	manishaskongre@gmail.com	9970139760	Assistant Professor	Review of Big Data analytics Providing security in Heathcare	Research Scholar	Yes	Rs. 1200/-	NCRIICT23013
152	PALASH PRAVIN FEDDEWAR	J. M. Patel College, Bhandara	palashfeddewar@gmail.com	8390100101	Assistant Professor	A Review of Machine Learning Techniques for Video Processing	Research Scholar	Yes	Rs. 1200/-	NCRIICT-23014
153	Prakash Tukaram Raut	MIT Arts Commerce and Science College Alandi Pune	prakashraut65@gmail.com	9763748421	Assistant Professor	An Efficient Study of Artificial Neural Network Methods in Face Re	Research Scholar	Yes	Rs. 1200/-	307315961844.00
154	Shalaka Saygaonkar	Prerna College	shalakas917@gmail.com	9657114090	Assistant Professor		Faculty Member/Professional	No	Rs. 1500/-	shalakas917-1@oksbi
155	Avinash Harendra Hedao	Prerna College of Commerce, Nagpur, (MS) – India	avinashhedao@gmail.com	8830141834	Assistant Professor	APPLICATION OF DEEP LEARNING IN PLANT DISEASE DETEC	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT-23011
156	Ashwini Vinodrao Virulkar	Department of Electronics and computer science,RTM	isha84210@gmail.com	9890534544	Research Scholar	Factors affecting the academic performance of learners using mac	Research Scholar	Yes	Rs. 1200/-	307364468221.00
157	Atul Rameshrao Thaware	G.H.Rasoni Amravati University.	atulthaware13@gmail.com	8208818021	Assistant Professor	A Comprehensive Review of Artificial Immune System,issues and	Faculty Member/Professional	Yes	Rs. 1500/-	UTR:307347366753

158	Ms.Poorva Ishwar Wagh	Dr S.C.Gulhane Prerna College of Commerce, Science	poorvawagh0508@gmail.com	9623033147	Assistant professor	Impact and Opportunities of IoT on Communication Devices: A Co	Faculty Member/Professional	Yes	Rs. 1500/-	T2303150747095275125207
159	Mansi S Hingle	Shri Shivaji Science College	hinglemansi99@gmail.com	7218765922	Assistant Professor	Industrial Automation and Inspection in Food and Agriculture	Research Scholar	Yes	Rs. 1200/-	NCRIICT23015
160	Ashwini Muralidhar Rahangdale	Shri Shivaji Science college, Nagpur	ashwinirahangdale1999@gmail.com	9545741267	Assistant Professor	Forest Fire Prediction using Data Science	Research Scholar	Yes	Rs. 1200/-	NCRIICT23016
161	Aarya Abhay Chandekar	Shri shivaji science college, congress nagar, Nagpur	aaryachandekar@gmail.com	9665908150	Assistant professor	Industrial Automation and Inspection in Food and Agriculture	Research Scholar	Yes	Rs. 1200/-	NCRIICT23017
162	Amruta J. Thakur	Shri Shivaji Science College	amrutajthakur@gmail.com	09930348456	Assistant Professor Adh	Aspect and Role: Cryptography in Cyber Security	Research Scholar	Yes	Rs. 1200/-	NCRIICT23020
163	Mohan Naidu	Hislop College	mohannaidu143@gmail.com	9860123888	Assistant Professor	An Embedded System: A solution for real time monitoring and con	Faculty Member/Professional	Yes	Rs. 1500/-	307459267763.00
164	Neha G. Giradkar	Sardar Patel Mahavidyalaya, Chandrapur	nehagiradkar96314@gmail.com	9511841649	Research Scholar	An observation about various research tools followed by Research	Research Scholar	Yes	Rs. 1200/-	344015779657.00
165	Ganesh Dhondu Pandhare	Shri Shivaji Science College, Congress Nagar Nagpur	ganeshpandhare9764@gmail.com	9604479882	Student	A Survey of Crime Rate Prediction	Student	Yes	Rs. 1000/-	NCRIICT23018
166	Dr. Pramod Belkhode	LIT Nagpur	pnbelkhode@gmail.com	9765032792	Assistant Professor	Investigation of Engine Performance using Mathematical Modelling	Faculty Member/Professional	Yes	Rs. 1500/-	307460752686.00
167	Satish Wamanrao Kharwade	S. N. Mor College, Tumsar.	swk3111971@gmail.com	9765264579	Assistant Professor		Faculty Member/Professional	No	Rs. 1500/-	307421824123.00
168	Tejaswini Shantaramji Rewatkar	Shree shivahi science college, Nagpur	tanurewatkar@gmail.com	9145498311	Research scholars	A comparative study of big data analytics in healthcare	Research Scholar	Yes	Rs. 1200/-	NCRIICT23025
169	Shalaka Ramesh Gaikwad	P.G. Department of Electronics and Computer Science	261234gaikwad@gmail.com	9284660028	Research Scholar	Gesture Recognition Using Neural Networks	Research Scholar	Yes	Rs. 1200/-	307417272207.00
170	Dr. Kishor Yashwantrao Rokde	Dr. Ambedkar College, Nagpur	krokde4@gmail.com	8055214670	Assistant Professor	A Comprehensive Review of Processor for Embedded Application	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT23021
171	Mr. Amar S. Pimpalkar	Shri Shivaji Science College, Nagpur	pimpalkar.amar@hotmail.com	9860667488	Research Scholar	A Survey On Density-Based Data Stream Clustering Algorithms	Research Scholar	Yes	Rs. 1200/-	NCRIICT23023
172	Gaurav D. Saxena	Kamla Nehru Mahavidyalaya, Nagpur, Maharashtra	gauravsaxena711@gmail.com	7796162574(w	PG Student	Diabetes Mellitus Prognostication Employing Computational Intellig	Student	Yes	Rs. 1000/-	307439775247.00
173	Dr. Sagar Sharad Shende	Sharadchandra Pawar Mahavidyalaya, Lonand	sagarshende2012@gmail.com	9604008896	Assistant Professor	Design and development of Arduino based auto power trip during c	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT23022
174	Dr Sabah Naseem Munazzal Zafar	J.M.Patel College ,Bhandara	snaseem19@gmail.com	09665683583	Assistant Professor	Quantitative Analysis on Cloud computing service in distributed & t	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT23029
175	JYOTI JANGADE	Central University of Jharkhand, Ranchi	iyoti.j7000@gmail.com	7000803257	Research Scholar	Different Segmentation Methods for Parighasana Yoga Pose	Research Scholar	Yes	Rs. 1200/-	T2303151624047535470047
176	IRFAN ISRAIL SHEIKH	Vidya Niketan Jr college chandrapur	sheikh_irfan4u_s@rediffmail.com	9890030623	Jr college teachers		Research Scholar	No	Rs. 1200/-	PIT230315164705034515988
177	DESHMUKH SUSHANT DIWAKAR	SCHOOL OF COMPUTATIONAL SCIENCE SRTMUN	sushantdeshmukh1@gmail.com	7385387491	RESEARCH SCHOLAR	Critical disease detection using deep learning	Research Scholar	Yes	Rs. 1200/-	307417542325.00
178	Rajesh Dinkarrao Bhojar	Sant Gadge Baba Amravati University, Amravati	rdbsgbau@gmail.com	09422858584	Assistant Profssor	A Systematic study of Current Trends in Information retrieval using	Faculty Member/Professional	Yes	Rs. 1500/-	307453879255.00
179	Himanshu Narendra Bhangde	Smt. Radhikatai pandav collage of engineering	himanshubhangde886@gmail.com	9881777229	MCA 2nd year	Cloud computing	Student	Yes	Rs. 1000/-	himanshubhangde886@ybl
180	Ankit Mukesh Vidhate	Smt.Radhikatai pandav college of engineering	avidhate65@gmail.com	8149114352	MCA 2nd year	Cloud computing	Student	Yes	Rs. 1000/-	T2303151900175190943891
181	Dinesh Nanasahab Satange	Smt. Narsamma Hirayya Arts Commerce & Science C	dineshnsatange@gmail.com	8788536772	Assistant Professor	A Systematic study of Current Trends in Information retrieval using	Faculty Member/Professional	Yes	Rs. 1500/-	30746578925.00
182	Sharad sakharamji chilbule	Sardar patel college	sharad.sc19@gmail.com	7038497447	Student		Research Scholar	No	Rs. 1200/-	307484640618.00
183	Sahil Chinchhede	Gh Raisonni Institute of Engineering and technology	shabdsymon99@gmail.com	9604296162	Student	Ecommerce Rental based services	Student	Yes	Rs. 1000/-	7743845216@paytm
184	ROSHAN KHUMRAJ AMBATKAR	Department of Electronics and Computer Science RT	ambatkar.roshan@gmail.com	09021164674	Research Scholar		Research Scholar	No	Rs. 1200/-	307436652107.00
185	Anuradha Avinash Gohad	Shri.Shivaji Science College Congress Nagar, Nagpur	anuradhagohad484@gmail.com	9420844745	Assi.Professor	Performance of Routing protocol in Hybrid wireless Network includ	Research Scholar	Yes	Rs. 1200/-	NCRIICT23024
186	PRIYANKA SAURABH SHARMA	J. M. Patel Arts, Commerce & Science College, Bhand	jmpcpriyanka@gmail.com	7038895903	Assistant Professor	Study of integration of Cloud Computing and Data Mining	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT-23028
187	Shrutika V. Lokhande	Shri Shivaji science college, nagpur	shrutikamamshivajisci@gmail.com	97669 21844	Assistant professor	Digital image processing and recognition using python	Research Scholar	Yes	Rs. 1200/-	NCRIICT23033
188	Bhaskar Yadao Kathane	Bhawabhuti Mahavidyalaya Amgaon, Distt-Gondia	bykathane@rediffmail.com	9423413854	Assistant Professor	Development and Implementation of Ohm's Law Using Virtual Inte	Faculty Member/Professional	Yes	Rs. 1500/-	307509940387.00
189	Ritika madan ganvir	Shri shivaji science college congress nagar nagpur	ganvirritika6@gmail.com	7756849066	Student	Tools and technique of sentiment analysis a review	Student	Yes	Rs. 1000/-	NCRIICT-23034
190	PRAVIN HARIBHAU GHOSEKAR	J.M. Patel Arts, Commerce & Science College, Bhand	pravinhosekar@gmail.com	09423102776	Head, Department of Co	Application of Convergence of Big Data and Machine Learning	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT23027
191	Deepshikha Ravi Mehta	SSES'A'd Science College, Nagpur	deepshikhamehtajoshi@gmail.com	9975211155	Research Scholar	A reviof Facial Emotion Detection models using Deep Learning	Research Scholar	Yes	Rs. 1200/-	NCRIICT23035
192	Suraj Wasudeo Harode	Shri Shivaji Science College Nagpur	surajharode@gmail.com	+919921274894	Student	A Review on 3D Face Recognition System	Student	Yes	Rs. 1000/-	NCRIICT23032
193	REETU LALAN AWASTHI	RASHTRASANT TUKADOJI MAHARAJ NAGPUR UN	rituawasthi1229@gmail.com	9130054034	RESEARCH SCHOLAR	"State-of-the-Art Techniques for Sarcasm Detection in Textual Dat	Research Scholar	Yes	Rs. 1200/-	307292166535.00
194	Harshal Sunil Nehare	Shri Shivaji Science College Congress Nagar, Nagpur	harshalnehare7@gmail.com	9561440868	Student	A Survey of Crime Rate Prediction Using Python	Student	Yes	Rs. 1000/-	NCRIICT23031
195	Sanket Sharad Hadge	Sree shivaji science college Congress Nagar Nagpur	hadagesanket07@gmail.com	8390868194	Student	Content Based Image Retrieval	Student	Yes	Rs. 1000/-	NCRIICT23030
196	MADHAV KARKARE	Shivaji Science College	madhavkarkare14@gmail.com	08237037182	MCA		Student	No	Rs. 1000/-	NCRIICT23042
197	Mayuri Ganeshrao Ghodmare	Nilkanthrao Shinde Science & Arts College, Bhadrav	vnshinde007@gmail.com	9850319177	Research scholar		Research Scholar	No	Rs. 1200/-	NCRIICT23044
198	Prajakta IAKHAMAPURE	Shri shivaji science college	lakhmapureprajakta@gmail.com	9284036154	Research Scholar	Comparative Study of Big Data Analytics in Healthcare	Research Scholar	Yes	Rs. 1200/-	NCRIICT23026
199	Dr. Pranita B. Gulhane	S. S. E. S. A's Science College, Congress Nagar, Nag	pranita12@gmail.com	09096039162	Assistant Professor	Abstract Title: Microbial Biosensors for Detection of Analytes from	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT23009
200	Neha Devendra Yadav	Shivaji science college congress nagar nagpur	nehadyadav8800@gmail.com	8262044989	Student	Tools and Techniques of Sentiment Analysis : A Review	Student	Yes	Rs. 1000/-	NCRIICT-23043
201	Dr. Manish T. Wanjari	Shivaji Science College, Nagpur	mwebwanjari@gmail.com	8329153206	Assistant Professor	Implementing Filtering Technique in Image Denoising	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT-23004
202	Aleena Azam Ansari	Shri Shivaji Science College Congress Nagar, Nagpu	azamaleena9823@gmail.com	9823042182	Student	Review on Deep Learning based on firewall management system	Student	Yes	Rs. 1000/-	NCRIICT23045
203	Yashashree Devanand Masurkar	Shri Shivaji Science College Congress Nagar, Nagpur	yashashreemasurkar6211@gmail.com	9518785401	Student	A Review On Deep Learning based on Firewall management syste	Student	Yes	Rs. 1000/-	NCRIICT23046
204	Priyanka L Malkan	G H Raisonni College of commerce science and techn	priyankamalkan26@gmail.com	8482896936	Assistant Professor	ChatGPT : how many AI and GPT impact academia and libraries ,	Faculty Member/Professional	Yes	Rs. 1500/-	NCRIICT-23047
205	Swapnil Urkude	Shivaji Science College	swapnil.urkude10@gmail.com	8999631036	Student	A Review on 3D face Recognition System	Student	Yes	Rs. 1000/-	Cash
206	nikhil sudhakar mohurle	Shri Sivaji Education Society Amravati's Science Coll	nikhilmohurle369@gmail.com	7798384754	Student	Content Based Image Retrieval	Student	Yes	Rs. 1000/-	
207	Dr.vithal nanabhau patange	science college pauni	vishal.ptnge@rediffmail.com	9860874837	assistant professor	MANET	Faculty Member/Professional	Yes	Rs. 1500/-	307913695489.00
208	Priyanka Yengantwar (Chandawar)	Dr S. C. Gulhane Prerna College of Commerce, Scier	priyankayengantwar@gmail.com	9834037170	Assistant Professor	Reviewal Perspective of Secured Authentication For Data Accessw	Research Scholar	Yes	Rs. 1200/-	T23032107333431778013044
209	Ankita Chaudhari	Shivaji science college nagpur	chaudhariankita09@gmail.com	8928437888	Assistant professor		Research Scholar	Yes	Rs. 1200/-	Cash
210	Sachin Zade	Kamla Nehru Mahavidyalaya, Nagpur	zade.sachin02@gmail.com	09766916973	Assistant Professor	Wireless LAN Network Security using Neural Networks	Research Scholar	Yes	Rs. 1200/-	IRV8182027
211	Dr. Aruna Jageshwar Chamtkar	Kamla Nehru Mahavidyalaya	aruna.ayush1007@gmail.com	9975440534	Associate Professor	Wireless LAN Network Security using Neural Networks	Faculty Member/Professional	Yes	Rs. 1500/-	IRV8182306
212	Neha Agrawal			9511281794			Research Scholar	No	Rs. 1200/-	NCRIICT230057
213	Sakshi R. Bawankule			8177948910			Student	No	Rs. 1000/-	NCRIICT230054
214	Vaishnavi vishnu shende	Shivaji science	vaishnavishende015@gmail.com	9021049173	Students		Student	No	Rs. 1000/-	NCRIICT23055
215	Smita Purushottam Khorgade	Shivaji Science College Nagpur	smitapkhorgade@gmail.com	9370236679	Student	A Review of Attendance Management System using Face Recogn	Student	Yes	Rs. 1000/-	NCRIICT-23052
216	Vaishnavi Sanjay Shivhare	Shivaji science college	vaishnavishivhare11@gmail.com	9767961079	Student	A Review Of Attendance Management System using Face Recogn	Student	Yes	Rs. 1000/-	NCRIICT-23051
217	Vidya Vasanta Waghade	Shivaji Science College	Vidyawaghade4@gmail.com	9503891821	Student	Realtime emotion recognition using CNN deep learning	Student	Yes	Rs. 1000/-	NCRIICT-23053



Dr. Panjabrao alias Bhausaheb Deshmukh's 125<sup>th</sup> Birth Anniversary  
Rashtrasant Tukadoji Maharaj Nagpur University Centenary Year

# NATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES

**NCR ICT-2023**

March 27-28, 2023

Organised by



Department of Computer Science  
Shri Shivaji Education Society Amravati's  
**Science College**  
Congress Nagar, Nagpur

## Certificate

*This is to certify that*

Prof. /Dr. / Mr./ Mrs. / Ms ..... *Sharad Shivappa Hegade* .....  
from ..... *Shivaji Science college, Nagpur* ..... has  
actively participated in the National Conference on "Research Innovations in ICT and Computing  
Technologies" (NCR ICT-2023) held during March 27-28, 2023 organized by Shri Shivaji Education Society  
Amravati's Science College, Congress Nagar, Nagpur. He / She has presented a paper entitled  
..... *"Review on Recent Trends in Data security Implemented  
via combining and steganography & Cryptography"* .....

Dr. A. A. Halder  
Organising Secretary  
NCR ICT-2023

Prof. S. R. Pande  
Convener  
NCR ICT-2023

Prof. M. P. Dhore  
Chairman  
NCR ICT-2023

## **Conference Notice**

<https://forms.gle/T3CBWvmzvGK8RuEr5>

Dr. Panjabrao Alias Bhausahab Deshmukh's 125 Birth Anniversary Year & Rashtrasant Tukadoji Maharaj Nagpur University Centenary Year

Shri Sivaji Education Society Amravati's Science College, Congress Nagar, Nagpur (Maharashtra) INDIA - 440 012 is organizing a **NATIONAL CONFERENCE ON "RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES" (NCRIICT-2023) on March 27-28, 2023.**

The aim of the conference is to provide a platform to the researchers and practitioners from both academia as well as industry to meet and share cutting-edge development in the field of Computer Science.

We request your help and support in sharing this detail with other known research scholars and academicians in your college / university so that they can participate and benefit from this national conference.

Kindly fill your details in this Google form to register for the NCRIICT-2023  
REGISTRATION LINK: <https://forms.gle/T3CBWvmzvGK8RuEr5>

Registration fee per participant:  
Rs. 1,500/- for faculty members  
Rs. 1,200/- for research scholars  
Rs. 1,000/- for PG students

Email for Paper Submission: [ncriict2023@gmail.com](mailto:ncriict2023@gmail.com)

For More details: Click Here <http://sscnagpur.ac.in/UserPanel/EventsDetails.aspx?nEid=cg>

Organizing Secretary (NCRIICT-2023)  
Science College, Congress Nagar  
Nagpur- 440 012 INDIA  
Email: [ncriict2023@gmail.com](mailto:ncriict2023@gmail.com)

WhatsApp interface showing a chat conversation with Wadher Paras. The chat content includes a Google Form link for registration, details about a national conference, and contact information for the organizing secretary.

Wadher Paras

<https://forms.gle/T3CBWvmzvGK8RuEr5>

**Dr. Panjabrao Alias Bhausaheb Deshmukh's 125 Birth Anniversary Year & Rashtrasant Tukadoji Maharaj Nagpur University Centenary Year**

**Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur (Maharashtra) INDIA - 440 012** is organizing a

**NATIONAL CONFERENCE ON "RESEARCH INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES" (NCRICIT-2023) on March 27-28, 2023.**

The aim of the conference is to provide a platform to the researchers and practitioners from both academia as well as industry to meet and share cutting-edge development in the field of Computer Science.

We request your help and support in sharing this detail with other known research scholars and academicians in your college / university so that they can participate and benefit from this national conference.

**Kindly fill your details in this Google form to register for the NCRICIT-2023**  
**REGISTRATION LINK:** <https://forms.gle/T3CBWvmzvGK8RuEr5>

Registration fee per participant:  
 Rs. 1,500/- for faculty members  
 Rs. 1,200/- for research scholars  
 Rs. 1,000/- for PG students

**Email for Paper Submission:** [ncricit2023@gmail.com](mailto:ncricit2023@gmail.com)

**For More details: Click Here**   
<http://sscnagpur.ac.in/UserPanel/EventsDetails.aspx?nEid=cg>

Organizing Secretary (NCRICIT-2023)  
 Science College, Congress Nagar  
 Nagpur- 440 012 INDIA  
 Email: [ncricit2023@gmail.com](mailto:ncricit2023@gmail.com)

2:48 pm

# NCRIICT2023

**NATIONAL  
CONFERENCE ON RESEARCH  
INNOVATIONS IN ICT AND COMPUTING TECHNOLOGIES**

**(NCRIICT-2023)**

**March  
27-28, 2023**

Organized by **Department of Computer Science**

Shri Shivaji Education Society, Amravati's **SCIENCE COLLEGE, Congress Nagar, Nagpur  
440012**

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# **NCRIICT-2023**

# **Registration List**

**Till 25/03/2023**

Sr.No.	Full Name	Name of College/ Institute /Company	Mobile No.	Title of Paper	Category	Amount
1	Aarya Abhay Chandekar	Shri shivaji science college, congress nagar, Nagpur	9665908150	Industrial Automation and Inspection in Food and Agriculture	Research Scholar	Rs. 1200/-
2	Abhijit Vijay Bokare	N H College Bramhapuri	9422908186	Robotics & Artificial Intelligence : The role of AI in Robots	Research Scholar	Rs. 1200/-
3	Abhishek Anna Giradkar	G H Rasoni Institute of Engineering and Technology	9689688103	Traffic control using opencv and python	Student	Rs. 1000/-
4	Abhishek Sapate	Gh rasoni Institute of Engineering and technology	9146351289	YouTube Transcript Summarizer Using Natural Language Processing	Student	Rs. 1000/-
5	Aditi Dhananjay Katarkar	G H RAISONI INSTITUTE OF ENGINEERING AND TECHNOLOGY NAGPUR	7030208426	DIGITAL BANKING TECHNOLOGY IN INDIA: REVIEW	Student	Rs. 1000/-
6	Ajay Deonath Nanwatkar	Dr S.C. Gulhane Prerna college of Commerce,Science and Arts Nagpur	9021511019	"Impact and Opportunities of IoT on Communication Devices: A Comprehensive Review"	Faculty Member/Professional	Rs. 1500/-
7	Akruti Bhagat	G.H.Rasoni Institute Of Engineering And Technology Nagpur	9172487226	Resume Builder	Student	Rs. 1000/-
8	Akruti Thakur	G H Rasoni Institute of Engineering and Technology Nagpur	7058828762	The Role of Social Networks for Spreading Misinformation	Student	Rs. 1000/-
9	ALDE ANIL BHIMASHANKAR	S.R.T.M.U.N., Sub-Centre, Peth, Latur	9970311391	Sharing Secured Secret data by Binary image using Visual Cryptography	Research Scholar	Rs. 1200/-
10	Aleena Azam Ansari	Shri Shivaji Science College Congress Nagar, Nagpur	9823042182	Review on Deep Learning based on firewall management system	Student	Rs. 1000/-
11	Amar Manoharrao Sote	Arts, Commerce and Science College Arvi	9890994971	E west Management in India : A review	Faculty Member/Professional	Rs. 1500/-
12	Amit Bhayyaji Rehapade	Santaji Mahavidyalaya,Nagpur	9370992005	Precision Farming-Next Agricultural Revolution	Faculty Member/Professional	Rs. 1500/-
13	Amol Ashokrao Bodkhe	Shivaji Science College ,Congress Nagar,Nagpur	9423609630	A Survey of Data Visualization Techniques for Big Data	Faculty Member/Professional	Rs. 1500/-
14	Amruta J. Thakur	Shri Shivaji Science College	9930348456	Aspect and Role: Cryptography in Cyber	Research	Rs. 1200/-

				Security	Scholar	
15	Anandi Janardan Mungole	Shivaji Science College Nagpur	7038732741	"Transforming Social Data into Visual Insights: A Review of 3D Visualization Techniques"	Research Scholar	Rs. 1200/-
16	Ankit Mukesh Vidhate	Smt.Radhikatai pandav college of engineering	8149114352	Cloud computing	Student	Rs. 1000/-
17	Ankit Nagarkar	G. H. Rasoni Institute of Information Technology (Autonomous)	7038558530	Application of Virtual Reality in construction site modelling for monitoring and training	Student	Rs. 1000/-
18	Ankita Chaudhari	Shivaji science college nagpur	8928437888		Research Scholar	Rs. 1200/-
19	Anupama Devendra Sakhare	Department of Electronics and Computer Science	9405576882		Faculty Member/Professional	Rs. 1500/-
20	Anuradha Avinash Gohad	Shri.Shivaji Science College Congress Nagar, Nagpur	9420844745	Performance of Routing protocol in Hybrid wireless Network including cluster Head	Research Scholar	Rs. 1200/-
21	Asddgf		6543215678		Student	Rs. 1000/-
22	Ashvin Lad	G H Rasoni Institute of Engineering & Technology Nagpur	9131033007	Digital Watermarking In Image Using AES Algorithm	Student	Rs. 1000/-
23	Ashwini Muralidhar Rahangdale	Shri Shivaji Science college, Nagpur	9545741267	Forest Fire Prediction using Data Science	Research Scholar	Rs. 1200/-
24	Ashwini Vinodrao Virulkar	Department of Electronics and computer science,RTMNU ,Nagpur	9890534544	Factors affecting the academic performance of learners using machine learning	Research Scholar	Rs. 1200/-
25	Atharva Arvind Selokar	G H Rasoni Institute Of Engineering and Information Technology	8080094783	Study on Android application development	Student	Rs. 1000/-
26	Atharva Shailendra Muley	G H RAISONI INSTITUTE OF ENGINEERING AND TECHNOLOGY	9373399359	Evolution of Artificial Intelligence	Student	Rs. 1000/-
27	Atul Ramesh Rao Thaware	G.H.Rasoni Amravati University.	8208818021	A Comprehensive Review of Artificial Immune System,issues and it's Applications in IoT Security.	Faculty Member/Professional	Rs. 1500/-
28	Avanti Ashok Dhande	GHRIETN	7038115601	YouTube Transcript Summarizer Using Natural Language Processing	Student	Rs. 1000/-

29	Avanti Sudhir Joshi	G H Rasoni Institute of Engineering and Technology, Nagpur	9881212193	A Review on Cloud computing - The business perspective	Student	Rs. 1000/-
30	Avinash Harendra Hedao	Perna College of Commerce, Nagpur, (MS) – India	8830141834	APPLICATION OF DEEP LEARNING IN PLANT DISEASE DETECTION : A SURVEY	Faculty Member/Professional	Rs. 1500/-
31	Ayesha Begam Sheikh		9689627200	E-Learning using Cloud Computing	Student	Rs. 1000/-
32	Bhagyashri Arvind Jagtap	Kamla Nehru Mahavidyalaya, Nagpur	9518777946	An overview of Soft Computing Techniques and Application Areas	Faculty Member/Professional	Rs. 1500/-
33	Bhargavi Sachin Velankiwar	G.H. Rasoni Institute of Engineering and Technology, Nagpur	8624029557	Study of air pollution management system	Student	Rs. 1000/-
34	Bhaskar Yadao Kathane	Bhawabhuti Mahavidyalaya Amgaon, Distt-Gondia	9423413854	Development and Implementation of Ohm's Law Using Virtual Intelligent SoftLab	Faculty Member/Professional	Rs. 1500/-
35	BIJU A	St Francis De Sales College, Nagpur	9405750568	A Review of Invasive Ductal Carcinoma Detection using Deep Learning	Faculty Member/Professional	Rs. 1500/-
36	Chandrashekhar Shankarrao Tople	Dr S.C.Gulhane Perna College of Commerce, Science and Arts Reshim Bag Nagpur	9595401387		Faculty Member/Professional	Rs. 1500/-
37	Chetana Vijay Bhojar	SMM college of science ,nagpur	9689064840		Faculty Member/Professional	Rs. 1500/-
38	Deepshikha Ravi Mehta	SSESA'd Science College, Nagpur	9975211155	A reviof Facial Emotion Detection models using Deep Learning	Research Scholar	Rs. 1200/-
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From :  
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