

DEPARTMENT OF COMPUTER SCIENCE

Annual Report (2024-2025)

Department of Computer Science came into existence with the introduction of Computer Science as one of the optional subjects at B.Sc. level in 1990-91 on demand from students and parents.

- Post graduate course in Computer Science leading to M.Sc. (C/S) was introduced during the session 1996-97.
- An AICTE recognized Three Years Master's Degree Program "Master in Computer Applications" was introduced in 1997-98.
- A three-year UG course in Computer Science leading to B.C.A. was introduced during the session 2010-2011.
- Ph.D. Programmed in Computer Science started in the session 2014-15.
- **Implementation of National Education Policy (NEP-2020)**

Sr. No	Name of the course	Implemented from Academic Session
1	MSc.(Computer Science)	2023-24
2	BSc. (Computer Science)	2024-25
3	BCA(AICTE)	2024-25

The students are continuously monitored for their academic as well as personality developments. In order to have a better interaction among students of the department and the staff, the Computer Science Society was formed in the session 1998-99. The Computer Science Society aims at arranging seminars, guest lecturers, group discussions, software development contests, student seminars etc.

Right from the inception of the Department of Computer Science, the university results are consistently excellent over the years for all the examinations. Every year students from department find places in the university merit list.

The consistent performance of the department in all respects, made it possible to get special funds under CPE for the vertical growth of the department.

Departmental Activities:

- Guest Lecture on "Data Science Analytics and AI" by Mr. Aniruddha Kalbande, Fireblaze School, Nagpur on 29/08/24.
- Seminar on "Higher Studies" by Mr. H.R. Lalit, Business Development HR Mentors on 31/08/24.
- Hackathon Chabot making Competition-2024 by Mineral Exploration Consultancy Limited, Seminary Hills, Nagpur on 21/06/ 24.
- Teacher's Day celebration program on 05/09/2024.
- Felicitation Ceremony of Prof.S. R Pande for appointed as Officiating Principal on 18/06/2024.
- The inauguration of Computer Science Subject Society was done at Departmental level on 10/10/205.
- Ph.D. Open Defense Viva-Voce seminar of Research Scholars Mr. S. S. Hegade on 01/04/2025.
- Superannuation Ceremony of Prof.S.R. Pande held on 28/02/25.
- Prof. R. N. Jugele take charge as Head of the Computer Science Department on 08/03/2025.

- Industrial tour for Computer Science Students, visited Yantra India Ltd, Ordnance Factory Amaravati Road Nagpur on 19/03/2025.
- Six Month PhD-Progress Seminar of Research Scholars on 12/04/2025.
- Workshop on NEP-2020 on Discussion of Syllabus B.Sc.(CS) and BCA(AICTE), RTMNU Nagpur on 26/06/2024.
- Workshop on NEP-2020 on Discussion of Syllabus BCA(AICTE), RTMNU Nagpur on 07/04/2025.
- Seminars of M.Sc. (Sem-IV) were conducted on every Saturday. The topic of seminars was Cyber Security, Data Mining, Artificial Intelligent, Deep Learning, Neural Network and Sentiment Analysis.
- Seminars of M.Sc. (Sem-II) seminars were conducted on every Saturday. The topic of seminars were 3D Face Recognition on Android phone, Image Retrieval using Neural network, Face Recognition by Machine Learning, Facial expression recognition using Neural network.
- Seminars of M.C.A.(Sem-IV) were conducted on every Saturday. The topic of seminars were Support vector machine-based feature extraction for gender recognition, Deep fake video detection using neural network, Deep Learning based firewall management system, Regression analysis for machine learning.

Result (Summer-2024 and Winter -2023):

SN	Name of Course	%	SN	Name of Course	%	SN	Name of Course	%
1	B.Sc. (Sem-I)	53.77	7	B.C.A. (Sem-I)	70.40	13	M.Sc. (Sem-I)	46.15
2	B.Sc. (Sem-II)	60.60	8	B.C.A. (Sem-II)	59.10	14	M.Sc. (Sem-II)	68.42
3	B.Sc. (Sem-III)	70.96	9	B.C.A. (Sem-III)	74.30	15	M.Sc. (Sem-III)	47.61
4	B.Sc. (Sem-IV)	60.48	10	B.C.A. (Sem-IV)	68.51	16	M.Sc. (Sem-IV)	69.04
5	B.Sc. (Sem-V)	83.07	11	B.C.A. (Sem-V)	70.90	17	M.C.A.(Sem-I)	65.71
6	B.Sc. (Sem-VI)	83.00	12	B.C.A. (Sem-VI)	66.66	18	M.C.A.(Sem-II)	86.00
						19	M.C.A.(Sem-III)	83.00
						20	M.C.A. (Sem-IV)	100

Merit Position in RTM Nagpur University Examination Summer -2024

A) Bachelor of Computer Science (B.Sc.)

Sr. No	Name of Students	Marks obtained out of 3000	Merit Position
1.	Ku. Vishaka M. Khiani	2686	4 th

B) Bachelor of Computer Application (BCA)

Sr. No	Name of Students	Marks obtained out of 3000	Merit Position
1.	Ku. S.D. Motharkar	2574	4 th

C) Master of Science (MSc. (Computer Science))

Sr. No	Name of Students	CGPA out of 10	Merit Position
1	Ku. S.R. Kadbe	8.32	2 nd
2	Ku. L.S. Dupare	8.20	4 th

D) Master of Computer Application (MCA)

Sr. No	Name of Students	CGPA out of 10	Merit Position
1	Ku. Maitali .A. Bonde	8.17	3 rd

Research Activity:

- The Teachers and Research scholars of the Computer Science department presented 15 research papers in National and International conferences and Journals.
- Number of Students registered and awarded for Ph.D. (RTMNU) course in computer Science.

Sr. No	Name of Supervisor	No of Students Registered Ph.D.	No of Students Submitted Ph. D	No of Students Awarded Ph.D.
1	Prof. M. P. Dhore.	7	-	8
2	Prof. S. R. Pande.	-	-	9
3	Prof. R. N. Jugele.	4	-	4

Staff Achievement: -

- **Mrs. Pooja Dhade**, awarded Ph.D. in Computer Science from RTMNU Nagpur on 07/05/2024.
- **Asfiya Shaikh**, department of computer science has been bestowed with Best Presentation Award at International Conference on Advances in Management and Technology organized by Sadabai Raisoni women's college Nagpur on 28/03/2025.
- **Ms. Asfiya Shaikh** has participated in online Refresher Courses (SRC), Computer Science, Batch – XV from UG -Malaviya Mission Teacher Training Centre, University of Madras during 20/11/2023 to 19/12/2023.
- **Dr. Varsha Pande** has participated in online Refresher Courses (SRC), Computer Science, Batch – XV from UGC -Malaviya Mission Teacher Training Centre, University of Madras during 20/11/2023 to 19/12/2023.
- **Dr. Puja Dadhe** has participated in online Refresher Courses (SRC), Computer Science, Batch – XV from UGC -Malaviya Mission Teacher Training Centre, University of Madras during 20/11/2023 to 19/12/2023.
- **Ms. Asfiya Shaikh** Published Paper in UGC-Care List Journal 'Indian Journal of Technical Education' entitled with "Enhancing Network Security: Pinpointing Similarities and Differences of Machine Learning Models for Firewall Intrusion Detection" on September 2024.
- **Ms. Asfiya Shaikh** Published Paper Journal of Engineering and Technology Management (ELSEVIER-SCOPUS INDEX) with title "Enhancing Network Security: Pinpointing Similarities and Differences of Deep Learning Models for Firewall Intrusion Detection" on 30/08/2024.
- **Dr. Manish Wanjari** Published Paper in UGC-Care List Journal 'Indian Journal of Technical Education' entitled with "Lane Detection for Autonomous Vehicles using Deep Learning Methods" on September 2024.
- **Dr. Manish Wanjari** Published Paper in UGC-Care List Journal 'Indian Journal of Technical Education' entitled with "Analysing Machine Learning Approaches for Fake News Detection" on September 2024.
- **Dr. A. A. Halder** Published Book entitled with "21ST Century Steps in Computer Science" with ISBN: 978-93-95021-52-4 on June-2024.
- **Dr. A. A. Halder** Published Book entitled with Mathematics Foundations of Computer Science" with ISBN: 978-81-19140-78-7 on Aug-2024
- **Dr. A. A. Halder** Published Book entitled with "Desktop Publication" with ISBN:978-81-951574-3-3 on Aug-2024
- **Shri. J. K. Kech** Published Book entitled with "Office Automation as per NEP-2020" with ISBN: 978-93-5840-9 on Aug-2024.

- **Shri. J. K. Keche** Published Book entitled with “Desktop Publication as per NEP-2020” with ISBN: 978-93-91322-92-2 on June-2024.
- **Dr. Shilpa Gedam** Published Book entitled with “Office Automation as per NEP-2020” with ISBN: 978-93-5840-9 on Aug-2024.
- **Dr. Shilpa Gedam** Participated in 7 days Online Faculty Development Program on “Data Science and Optimization Techniques” from 27 Jan 2025 to 3 Feb 2025 organized by Yeshwantrao Chavan College of Engineering, Nagpur.
- **Mr. Amol Bodkhe** has participated in online 10th Faculty Induction Program from UGC - Malaviya Mission Teacher Training Centre, RTMNU Nagpur during 07/08/2024 to 06/09/2024.
- **Ms. Asfiya Shaikh** Participated in 7 days Online International Faculty Development Program on " AI & Cloud Security: Compliance Strategies for a Digital Future" from 07-12 April 2025 Sponsored by IEEE Bombay Section, jointly organized by Department of Computer Technology and Department of Electronics Engineering, Yeshwantrao Chavan College of Engineering, Nagpur.

Students Achievement: -

- Students of M.Sc. and MCA of Computer Science department secured 2nd position Hackathon competition focused on creating a Chatbot solution for exploring mineral data from NGDIR portal of MECL organized by Mineral Exploration Consultancy Limited, Nagpur on 20th June – 21st June 2024.
- Students of B.Sc. (computer Science) secured 1st Position in Drama Competition Rotaract Club of YCCE in Collaboration with the Girdhari Bhagwani Foundation on 21/9/2024.
- Tanuja Shinde Student of M.Sc.(CS) Secure 1st Position in Kathakathan Spardha on 05/08/2024.

Any other matter:

During the Session 2024-25 our students had the privilege to interact with industry person's from

- **Persistent Nagpur**
- **Cognizant Tech Solution, Bangalore**
- **Coder Fuel InfoTech, IT park, Nagpur**
- **IBM Zensoft, Pune.**

During the academic session 2024-25, 21 Students of B.Sc./BCA/MCA/M.Sc. are placed in on Campus / Off Campus Drives.

Participation in NSS/NCC/Science Exhibition:

- Students of B.Sc. /BCA/MCA/M.Sc. actively participated in the Blood Donation camp.
- Students of B.Sc. /BCA/MCA/M.Sc. actively participated in the NSS/NCC.



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