ADDENDUM
(REPORT FOR THE SESSION 2015 FROM APRIL 2015 TILL DECEMBER 2015)

Submitted to

NAAC PEER TEAM
(January 18-20, 2016)

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
Bangalore-560 010

By
Dr. D K Burghate
Principal

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE
CONGRESS NAGAR
NAGPUR-440 012 (MAHARASHTRA) INDIA
Vision

“Tamaso Maa Jyotir Gamaya”
“To lead from darkness to light.”
To create human resources through quality, societal, progressive and affordable education.

Mission

- To provide students with an environment for all round development of their intellectual, physical, aesthetic and social potentials.
- To discover and develop the academic and intellectual skills of the students.
- To encourage attitudes of integrity, hard work, honesty, fairness and tolerance in students so that they give their best to the society based on human values.
- To inculcate passion for excellence through information and communication technology, industrial exposures and scientific projects leading to elevated career profiles and national development.
- To stimulate the students to perform at the peak of their potentials.

Objectives

The college aims at a self-propelled, self-motivated, independent, creative and positively oriented autonomous persons to overcome the problems of poverty, unemployment, inequality, illiteracy, superstition and religious obscurantism and to become an active partner in the Nation building process.
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INFORMATION ABOUT THE COLLEGE

1. Name: SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI’S, SCIENCE COLLEGE, Congress Nagar, Nagpur

Address: SSES Amt’s Science College, Congress Nagar, Nagpur-440 012 (MAHARASHTRA) INDIA

City: Nagpur District: Nagpur State: Maharashtra

Pin Code: 440 012

Website: www.sscnagpur.edu.in

2. For Communication:

Office:

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<tr>
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<th>Area/STD code</th>
<th>Tel. No.</th>
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<td>Principal Dr. D K Burghate</td>
<td>Congress Nagar, Nagpur-0712</td>
<td>09422306680</td>
<td>0712-2440955</td>
<td><a href="mailto:drdkburghate@gmail.com">drdkburghate@gmail.com</a></td>
</tr>
<tr>
<td>Vice principal Dr. G R Avachar</td>
<td>Congress Nagar, Nagpur-0712</td>
<td>09421845390</td>
<td></td>
<td><a href="mailto:g.avchar@rediffmail.com">g.avchar@rediffmail.com</a></td>
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3. Details of programme offered by the College

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<tr>
<th>S. No.</th>
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<th>Name of Course</th>
<th>Number of Students admitted</th>
<th>SC M</th>
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4. University Examination result

Result Analysis for the session 2015-16

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<th>S. No.</th>
<th>Programme</th>
<th>Number of students appeared</th>
<th>Number of students passed</th>
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Achievement of students at UG level

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<th>Year</th>
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<td>2015</td>
<td>Priya Himendra Pisal</td>
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<td></td>
<td>Manali Deepak Chimote</td>
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<td>02-Gold Medal 01-Silver Medal</td>
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OUTSTANDING RECOGNITION

Very recently one of the planets has been named after Prof. Ashish Mahabal from California Institute of Technology, USA who happens to be alumni of Department of Electronics.

HONORS/AWARDS

• **KRISHNA AND PAMELA SAPPAL GEOLOGY GOLDEN JUBILEE SILVER MEDAL** Awarded to Roll No. 317956, Priya Himendra Pisal of Shivaji Science College, Nagpur, for securing the highest number of marks in annual B.Sc. with Geology as optional subject Examination of the RTM Nagpur University held in Summer 2014 and having passed all the previous examinations in the first attempt and minimum period. (392/450 marks)

• **THE R B JATASHANKAR P TRIVEDI MEMORIAL GOLD MEDAL** Awarded to Roll No. 317956, Priya Himendra Pisal of Shivaji Science College, Nagpur, for obtaining the highest number of Marks but not below 60% in GEOLOGY from amongst the examinees successful in the first or Second Division at the examination for the Degree of Bachelor of Science of March-April, 2014. (392/450 marks)
• **DR. N U RAO GOLD MEDAL** Awarded to Roll No. 317876, Manali Deepak Chimote of Shivaji Science College, Nagpur, for securing the highest number of marks in the subject Microbiology at the B.Sc. Final Examination of RTM Nagpur University held in Summer-2014 and having passed all the previous examinations in the First attempt and in minimum period. (369/450 marks)

• Three students has been honored with **INSPIRE scholarship** viz. Ku. Ankita Sanjay Chandak, B. Sc. II PCG, Ku. Udita Vidyashankar Mishra, B. Sc. II CZM and Ku. Divya K Raipurkar, B. Sc. III CBZ.

![Ku. Udita Vidyashankar Mishra](image1)
![Ku. Ankita Sanjay Chandak](image2)
![Ku. Divya K Raipurkar](image3)

1. **Lifetime Achievement Award**: Principal Dr. D K Burghate, received the Lifetime achievement award at 2nd International Conference on “Science and Technology for Society” held during May 19-21, 2015 Colombo, Sri Lanka organized by Viswashanti Multipurpose society and International Buddhist Information and Institute, Colombo, Sri Lanka.

2. Principal Dr. D K Burghate received the Best principal Award instituted by parent society on December 27, 2015 on the eve of Birth anniversary celebration of founder president Dr. Bausaheb Deshmukh

3. **Guest of Honor**: Principal Dr. D K Burghate, was the Guest of Honor at Inaugural function of 2nd International Conference on “Science and Technology for Society for Man, Conservation of Biodiversity through Technological and social approach” held during May 19-21, 2015 Colombo, Sri Lanka organized by Viswashanti Multipurpose society and International Buddhist Information and Institute, Colombo, Sri Lanka

4. **Best Paper Presentation**: Dr. D K Burghate, Principal of the college, received Best Poster presentation award at 2nd International Conference on “Science and Technology for Society for Man, Conservation of Biodiversity through Technological and social approach” held during May 19-21, 2015 Colombo, Sri Lanka organized by Viswashanti Multipurpose society and International Buddhist Information and Institute, Colombo, Sri Lanka

5. Dr. D K Burghate was Chairman, Technical Session at 2nd International Conference on “Science and Technology for Society for Man, Conservation of Biodiversity through Technological and social approach” held during May 19-21, 2015 Colombo, Sri Lanka organized by Viswashanti Multipurpose society and International Buddhist Information and Institute, Colombo, Sri Lanka.

6. Dr. M J Hedau has been conferred with Distinguished Researcher Award in First International Conference on Science Technology and Management on November 23, 2015 at BITS Pilani, Dubai Campus

7. Recipients of Distinguished Researcher Awards - Dr. P S Tiwari and Dr. S D Puranik, Dubai, UAE on November 22, 2015.

8. Recipient of Life Time Achievement Award- Dr. R S Sakundarwar in International conference held at Dubai, UAE, November 22, 2015.

9. Dr. S D Puranik invited as a Judge for Indoor and Seasonal Flower show organized by Garden Club and Hitavada on September 12-13, 2015.
10. Dr. Mrs. P D Burghate conferred with Distinguished Fellow Award (FVMS) in International Conference held at Colombo, Srilanka during May 19-21, 2015

11. Dr. Mrs. P D Burghate worked as chairperson for technical session (poster) in International Conference held at Colombo, Srilanka during May 19-21, 2015

12. Dr. Mrs. P D Burghate, Dr. Mrs. R Dwivedi and Dr. Mrs. Punita Tiwari acted as Judges in Digital India Week held at Rashtrasant Tukadoji Maharaj Nagpur University from August 19-24, 2015

Principal Dr. D K Burghate awarded with Lifetime achievement award at 2nd International Conference on “Science and Technology for Society” at Colombo, Srilanka, May 19-21, 2015

Dr. R S Sakundarwar receiving Life Time Achievement Award at International Conference, Dubai, UAE, November 22, 2015

Dr. M J Hedau receiving Distinguished Researcher Award in First International Conference on Science, Technology and Management at BITS Pilani Dubai Campus, Dubai, UAE, November 23, 2015

Dr. P S Tiwari receiving Award for Prominent Research in Botany at International Conference, Dubai, UAE, November 22, 2015


Dr. S D Puranik invited as a Judge for Indoor and Seasonal Flower show organized by Garden Club and Hitavada on September 12-13, 2015
Dr. S D Puranik receiving Award for Prominent Research in Botany, Dubai, UAE, November 22, 2015

**FACULTIES WHO ATTENDED OFFSHORE EVENTS**

Principal Dr. D K Burghate presenting a paper in International Conference in Sweden

Dr. Mrs. P D Burghate presenting a paper in International Conference in Sweden

Principal Dr. D K Burghate attended OISCA Board of Directors meeting at Tokyo, Japan October 6-8, 2015

Principal Dr. D K Burghate presenting annual report of OISCA at Board of Directors meeting, Tokyo, Japan October 6-8, 2015
Dr. S W Anwane presenting a paper in International Conference- Advances in Functional materials at Stony Brook University, New York USA on June 28 -July 3, 2015

Dr. S W Anwane interacting with Nobel Laureate Prof. Allan Heeger, University of California USA, on June 28 -July 3, 2015


Felicitation of patron of conference, Hon’ble Principal Dr. D K Burghate at Hotel Galadhari, Colombo, Srilanka, May 21, 2015

Glimpses of Inaugural function, on dais, Principal Dr. D K Burghate, St. Vajrasimha, Vice chancellor, Peridnya University, Colombo, Srilanka, May 21, 2015
Session of research paper presentation at Colombo, Sri Lanka, May 21, 2015

Publication of souvenir of the conference and Publication of IJRBAT international research journal, Colombo, Sri Lanka, May 21, 2015


Minister of higher education, Govt. of Sri Lanka, addressing the conference at Colombo, Sri Lanka. May 21, 2015

Energy and Power minister, Govt. of Sri Lanka, addressing the conference at Colombo, Sri Lanka May 21, 2015
Dr. Mrs. P D Burghate chairman during the technical Session of research (poster) presentation at Colombo, Srilanka May 21, 2015

Valedictory function of the conference at Colombo, Srilanka May 22, 2015

Dr. A D Bobdey with Vajrasimha
Hon’ble Principal and staff of college

Best paper presentation competition for young scientist award.
Chairman Dr. D K Burghate (Principal)

2nd International Congress of Science and Technology for Man, Conservation of Biodiversity through Technological and social approach” on May 19-21, 2015, at Colombo, Srilanka.
Dr. R N Deshmukh, Presenting Research paper at RAK, Dubai, November 22, 2015

Dr. P S Tiwari, Presenting Research paper at International conference in Dubai, November 22, 2015

Dr. R'H Mahakhode, Presenting Research paper at RAK, Dubai, November 22, 2015

Dr. S D Puranik, Presenting Research paper at RAK, Dubai, November 22, 2015

Prof. V A Dakhole presenting work at RAK, Dubai, 22nd November 2015

Dr. S S Darokar presenting work in International conference organized by Viswashanti Multipurpose society at Sadahamsevana International Budhist Information and Institute, Colombo, Srilanka on May 19-21, 2015

Dr. G R Avachar Chaired the Session of Paper Presentation in National Conference on Recent Trend in Mathematics and its Application at Mungsaji Maharaj Mahavidyalaya, Darva.
Dr A M Pund chaired the session and presented paper in International Conference on General Relativity (ICGR-2015) Organized by the Department of Mathematics, Sant Gadge Baba Amravati University,

ACADEMIC ACTIVITIES

1. Department of Electronics has organized a Guest Lecture by Dr. B N Raghvendra, Scientific Officer, Nuclear Power Corporation of India, Mumbai on August 26, 2015 on the topic entitled “Nuclear Science and its Principles”
2. Certificate distribution on 15th August 2015 for Career Oriented Course-Mathematical Modeling using MAPLE

Glimpse of students awarded with the certificates on 15th August 2015

3. Inauguration of Subject Society at the hands of Dr. D K Agrawal, Director BCUD RTM Nagpur University October 21, 2015
4. Group Discussion Report

Glimpses of group discussions of M.Sc. computer science held on September 1-2, 2015


8. Inauguration of Subject Society on October 21, 2015.


Glimpses of visit to Raman Science Centre on October 6, 2015

Glimpse of students engaged in Certificate course in vermi-compost

Dr. Joshi & Dr. Giri, Chief Guest & Jury present on the dais for Intercollegiate Competition on Forest Conservation Day, July 23, 2015

Inauguration of Subject Society

Principal addressing to B. Sc. Part I Students

Dr. Kalpana Pandey, Ex-mayor chief guest observing Rakhis, August 26, 2015

Harvesting mushrooms, November 7, 2015
National Statistics Day Celebration
National Statistics day, which was on June 29, 2015, was celebrated with zeal and spirit, since this was the very first function of this academic session for the newly admitted first year students. Programme started with Goddess Shri Saraswati puja. Mrs. M. A. Pande overviewed the importance of this day. She also presented the origin and development of the subject Statistics and the work of Dr. P.C. Mahalanobis with different illustrations.

World Statistics Day Celebration
World Statistics Day, October 20, 2015, was celebrated in the department. Mrs M. A. Pande explained the importance of this day. Ms. M. B. Nasre described job opportunities in the subject. The programme was concluded with a note on scope of Statistics in future with respect to the career of our students.

Department of Chemistry celebrated International Ozone Day on September 16, 2015, Guest Lecture: Dr. Hemant Pande

Poster competition on Ozone Depletion in Department of Chemistry
Group Discussion on New Education Policy Reforms held on October 28, 2015

PUBLICATION OF RESEARCH WORK BY FACULTIES


International /National Conference Attended/ Paper presented

Dr. D. K. Burghate

1. Attended the 2nd International Conference on “Science and Technology for Society” May 19, 20 & 21, 2015 Colombo, Shi Lanka and research paper presented on ‘Electrical Conductivity of Electrodeposited Thin Film of Polypyrrole/CNT Nanocomposites”

2. Attended the international conference on “Advanced Materials World Congress” at Stockholm, Sweden, during August 23-26, 2015 and presented a research paper on Synthesis and characterization of electrospunnanofibers of PPy/MWCNT/MnO₂ ternary composite’

3. Attended the international conference on ‘Asia Pacific Youth Forum 2015’ on November 2015 held at Calicut, Kerala, India and presented a research paper on “A Critical Study of Causes and Solutions of Biodiversity Crisis”

4. **Attended the 2015 OISCA International Board of Directors’ Meeting** at Tokyo, Japan during October 6-9, 2015

Dr. H K Dahule


4. Abstract Submitted for NCLA 2016, “Synthesis and photo physics of a new green phosphorescent Iridium (III) complex for PhOLEDs”


Dr. S S Darokar

Attended international conference on Mathematics on 26-29 Nov.2015 at Department of Mathematics, University of Thiruvananthapuram, Kerala and presented research paper on Viscous FRW Cosmological model described by an effective equation of state in early Universe

Dr A M Pund


One of the research articles has been indexed in European Science Citation Index and American National Engineering Database.

He also worked as reviewer of three International Journals.
Dr. G R Avachar
He worked as referee for Ph. D. Thesis and reviewer of one International Journal.

**Research Activity**

<table>
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<th>S. No</th>
<th>Name of Faculty</th>
<th>Conferences attended</th>
<th>Workshop attended</th>
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<th>Paper publications in International Journal</th>
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**EXTENSION ACTIVITIES**

**NSS**

Celebration of Teacher’s Day by NSS Volunteers, Hon’ble Principal Dr D. K. Burghate and Dr Vinay Deotale were addressing to students on occasion of birth Anniversary of Dr S. Radhakrishnan and Tribute to Dr A.P.J Abdul Kalam Former President of INDIA
Celebration of Teacher’s Day

Celebration of Independence Day and distribution of blood donation Certificate to blood donor on August 15, 2015

Ms. Samruddhi Dharne performing Yoga on the occasion of “International YOGA day” on July 21, 2015
Tree plantation in college campus at the hand of Hon’ble Principal Dr. D K Burghate, Dr. A V Gomashe Former Registrar of RTM Nagpur University and NSS volunteers on August 18, 2015
'Save Girl' rally on the occasion of Gandhi Jayanti on October 2, 2015

Inaugural function of NSS camp, Hon’ble Principal Dr. D K Burghate, Chief Guest Prof S.B Birewar, Vice principal Dr G R Avachar and NSS Programme Officer addressing to volunteers at Yerla–Gonhi village on November 4, 2015

Cleaning of camp area by NSS volunteers during camp November 3-9, 2015
Visit of NSS Students for Village survey during the camp November 3-9, 2015 at village Yerla

Free Eye check-up camp in a camp November 3-9, 2015
Dr. R. U Khope, Dr. S. R. Pande, Prof. S M Ghatole delivering a lecture in camp on October 6, 2015

Celebrating Diwali with village children in camp

Felicitation of Sarpanch Hon’ble Smt. Gitataee Karnake and Dy. Sarpanch Rajendra Akhand of Yerla-Gonhi, Hon’ble Principal Dr D K Burghate and Vice Principal Dr. G R Avachar addressing to villagers and NSS volunteers in valedictory function of the Special Camp
Anti Drug Day, Guest Lecture Dr. Amar Damle on September 6, 2015

Students performing street play in Beti Bachao and Beti padhao October 2, 2015

Joy of Giving “Helping Hands” Donated old clothes – October 2015
Tree Plantation in College

Stress Management Programme- Guest Dr. Nikhil Pande, Psychiatric, October 17, 2015

Organ Donation Rally
Chief Guest Dr. Wankhede

Guard of Honor by NCC Girl Students
on August 15, 2015

- Excursion Tour was organized by Department of Botany to Chikhaldara, Dist. Amravati on September 3-4, 2015 and Rawanvadi, Dist. Bhandara on October 9, 2015.

Superannuation function of
Shri C H Khante and Shri V. B Sathe

Staff Farewell Programme by
Department of Chemistry April 30, 2015

Teacher’s Day Celebrations on September 8, 2015
Glimpses of refreshment stall during Dhamma Chakra Pravartan Din, at Nagpur. 
October 20-22, 2015

Healthy dish competition organized by Dr. Ms. S.S Deshmukh

Nutrition counseling by Dr. Mrs. Anjali Sharma, dietician, CIMS hospital, Nagpur.
Celebration of Birth Anniversary of Swami Vivekanand

Glimpse of Cultural Programme of Hostel students on the eve of Gandhi Jayanti

Glimpse of Career Awareness Programme

Glimpse of programme by an Alumni Association

Glimpse of Women’s Day Celebration
March 7, 2015

Students visited Hislop College, Nagpur for Flower Show, December 5, 2015

Celebration of Teachers’ Day
September 5, 2015

Show plants in Hydroponics, 2015
OISCA - INTERNATIONAL

Organization for Industrial, Spiritual & Cultural Advancement (OISCA), Western India Chapter, Nagpur
The chapter was started in May 2015 at this college. As a pioneering institution, it has initiated valuable activities to create awareness amongst students. To name a few, Love Green Club established in many schools, Herbal tree garden development in association with Children Forest Programme is implemented in schools and colleges, Roof Top Organic Farming, Organ Donation, traffic awareness, Yoga Awareness and Cultural Activities etc.

Glimpse of Members during Installation Ceremony May 10, 2015

Glimpse of Tree Plantation at Arunrao Kalode College
A Street play was organized during Beti Bachao Beti Padhao Abhiyan and a glimpse of rally October 2, 2015

Glimpses of tree plantation during “Beti Bachao Beti Padhao” abhiyan October 2, 2015

Tree Plantation at Shanti Vidya Bhavan School, MIDC, Nagpur

Celebration of Environment Day June 5, 2015

Glimpse during tree plantation at Mahatma Gandhi High School, Nagpur

Tree plantation at New English High School, Nagpur

Students performing street play on Gender Equality at Variety Square, Nagpur
An Earth Day was observed on 28th March 2015

Glimpse of an Organ Donation Day Celebration

Glimpses of Traffic awareness Programme

Glimpses of Inauguration of Yoga and Meditation Hall at the hands of Shri Rambhau Khandawe

On December 13, 2015
Certificate Course on Individual Development
“PERSONA 2015”

Career Guidance & Counseling Cell of Shivaji Science College, Nagpur in association with JCI Nagpur Central had recently conducted a workshop entitled “PERSONA 2015”, a certificate course on Individual Development.

The 21 day workshop was an eye opener for all the graduation students. Around 100 students participated sincerely & actively. The Purpose of this workshop was to bring the best of the students in various fields of personality. Also, to make them aware of various career options after graduation and prepare them for facing the interviews.

This workshop was inaugurated by Dr. D. K. Burghate, Principal, Dr. A. V. Awachar, Vice Principal, JC Dr. Meena Mishra, one of the faculty, Convener Dr. Punita Tiwari, Jc Amay Shingote president JCI Nagpur central. Also present were the Committee Members- Dr. Rini Dwivedi & Dr. Pratibha Burghate.

Each & every aspect of personality was dealt very efficiently which included the topics like Time Management, Types of Conservations/ Vocabulary/ Basic Grammar, Swot Analysis, Positive Attitude, Body Language, Speaking Skills, Leadership, Effective Communication, Team Building, Interview Techniques, Etiquettes and manners, Emotional Intelligence & Goal Setting.

The multi facet faculties were, Mrs. Anika Abrol, JC Tarun Shrivastav, JC Manish Kurjekar, JC Ravi Misal, JC Dr. Kalpana Date, JC Meenakshi Kulkarni, JC Dr. Punita Tiwari JC Suman Tiwari & JC Poonam Maneria.

The students showed great zeal & participation during the workshop. The Principal & Vice Principal of Shivaji Science College congratulated & appreciated the faculties, students, convenor & committee members for the success of this workshop.
A team of ten students and two teachers viz. Dr. Mrs. Sujatha Gopi and Dr. Mrs. Sujatha Pramod from CMS College of Science and Commerce Coimtore visited on December 8-9, 2015. They interacted with Principal Dr. D K Burghate, IQAC coordinator and Vice Principal Dr. G R Avachar and Ex-Registrar RTM Nagpur University Nagpur Dr. A V Gomashe. They visited every Department and prominent working committee members in the college. The students later in the evening showed performances in the cultural evening organized in the college premises.
Glimpses of Cultural performances by students of CMS College of Science and Commerce Coimbtore and our college December 8-9, 2015
Principal Dr. D K Burghate donating blood on the eve of Birth Anniversary of Dr. Bhausaheb Deshmukh December 25, 2015

Inauguration of Science Exhibition on the eve of Birth Anniversary celebration of Dr. Bhausaheb Deshmukh December 26, 2015

Principal Dr. D K Burghate garlanding the photo of Dr. Bhausaheb Deshmukh on the eve of his Birth Anniversary December 27, 2015

Visit of SAAC Peer Team on December 30, 2015

Principal Dr. D K Burghate elevated as president of KING EDWARD MEMORIAL SOCIETY January 1, 2016

Principal Dr. D K Burghate Handing over the cheque of `11,111/- for Chennai relief fund to collector Mr. Ravindra Kumbhare January 6, 2016
Editorial Board

Chairman
Dr. D K Burghate

Editor
Dr. D K Burghate, Principal

Coordinator
Dr. G R Avachar, IQAC

Compiler
Dr. D W Deshkar, Member IQAC