

# Sant Gadge Baba Amravati University, Amravati

## Internal Quality Assurance Cell

Minutes of the meeting of the I.Q.A.C. Committee held on Wednesday, the 04<sup>th</sup> September, 2019 at 3.00 p.m. in I.Q.A.C. meeting hall of the Sant Gadge Baba Amravati University, Amravati.

Following persons were present for the meeting.

1.	Dr. Murlidhar Chandekar, Hon'ble Vice Chancellor	Chairman
2.	Dr. Tushar Deshmukh, Registrar	Member
3.	Dr. S.D. Katore	Member
4.	Dr. G.L. Gulhane	Member
5.	Dr. Prashant Thakare	Member
6.	Dr. Swati Sherekar	Member
7.	Dr. Mohan Kherde	Invitee
8.	Dr. Dinesh Satange	Invitee
9.	Dr. S.F.R. Khadri, Director, I.Q.A.C.	Secretary

At the outset, the Member Secretary welcomed the Hon'ble Chairman and members present in the meeting and requested the Hon'ble Chairman to commence the business of the meeting of I.Q.A.C. The Hon'ble Chairman also welcomed members.

The committee granted leave of absence to Hon'ble Dr. R.S. Jaipurkar, Dr. V.S. Sapkal, Dr. J.A. Tidke and Dr. Manisha Kale on their request.

### Item No. 1

Confirmation of minutes of the meeting of I.Q.A.C. held on 14<sup>th</sup> September, 2018.

Confirmed the minutes of the meeting of I.Q.A.C. Committee held on dated 14<sup>th</sup> September, 2018.

### Item No. 2

To review the action taken report (ATR) received as per the minutes of the IQAC for taking necessary follow up action.

The committee has reviewed the Action Taken Report as per the minutes of the IQAC and suggested the follow up action accordingly

### Item No. 3

To review the progress regarding the API 2017-18 and AQAR 2017-18 & AQAR 2018-19.

The committee has reviewed the progress regarding the API 2017-18 and AQAR 2017-18 & AQAR 2018-19 and recommended the following

- The Committee resolves to send letter to those who have not submitted API 2017-18 even after 15 reminders mentioning that the API will be linked with Confidential Report (CR) and they should submit the API along with Self Appraisal Report for 2017-18 for necessary review of the University and the same information be sent to the Registrar for needful action.
- The Committee reviewed the progress regarding the AQAR 2017-18 and AQAR 2018-19 and directed Dr. P.V. Thakare to complete the module in consultation with DotCom and circulate to the Departments and Sections for online submission of the data regarding AQAR 2017-18, 2018-19 as early as possible. The Director, IQAC will inform the progress made in this regard to the Hon'ble Vice Chancellor on 15<sup>th</sup> October, 2019.

#### Item No. 4

To review the minutes of the NIRF sub-committee constituted by IQAC for improving the NIRF ranking of the University and suggest suitable plan of action.

The committee has reviewed the minutes of NIRF sub-committee constituted by IQAC for improving the NIRF ranking of the University and suggested the following plan of action.

- The committee has resolved to recommend to the Management Council for constituting committee for the preparation of scheme containing guidelines and application proforma for granting Minor Research Project to the teachers of the University as per the Senate decision.
- Director, Innovation, Incubation and Linkages will be asked to activate the IPR Cell by organizing necessary workshops, programs for providing guidance and also encouraging the teachers for the filing, publishing and awarding the patents and also submitting the Action Taken Report (ATR) to IQAC.
- Constituted a committee under the Chairmanship of Dr. P.V. Thakare (Biotechnology) along with Dr. Swati Sherekar (Computer Science), Dr. D.Y. Chacharkar (MBA), Dr. G.L. Gulhane (Education) and Dr. A.B. Naik (Chemical Technology) as members of the committee for preparing action plan regarding the guidelines to attract foreign students in to various programs and also simplifying the equivalence guidelines regarding the eligibility of foreign students, to propose required International Hostel for the accommodation of foreign students, and also to prepare guidelines for attracting students from other states. The committee will submit the action taken report to IQAC accordingly as early as possible.

#### Item No. 5

To review the progress made by various Criteria-wise committees regarding the preparation for the forthcoming NAAC Accreditation process with timeline framework.

The committee has reviewed the progress made by various criteria-wise committees regarding the preparation for the forthcoming NAAC Accreditation process with timeline framework and recommended the following action plan

- A letter be send to the Deputy Registrar (Academic Section) to call an emergent BOS meeting of all the faculties as early as possible and include an item in the agenda of the meeting for the revision of syllabi and preparation of Program Outcomes (PO), Program Specific Outcomes (PSO) and Course Outcomes (CO) for all the programs offered by the University on top propriety basis as per the guidelines of NAAC, Bangalore. The academic section shall complete the above activity as early as possible with specific time frame work so that the same be implemented in the forth coming academic session 2019-20.
- A letter will be send to Registrar to direct the concerned for providing minutes of meeting of various Authorities of University and other committees such Senate, Management Council, Academic Council, Faculty, Board of Studies, Board of Deans, Board of Examinations, Students Grievance Committee, Ragging Committee, Gender Sensitisation Committee, Environmental Award Committee, etc. to the Director, IQAC regularly in the future along with the previous minutes from 2015-16 onwards till date for necessary record to be provided to the NAAC.
- A meeting of the various Steering Committee Members along with their Sub Committee Members be called on 18<sup>th</sup> September, 2019 at 3.00 p.m. in the Senate Hall where in the Dr. Tushar Deshmukh, Registrar will provide guidance regarding the how to collect and fill the information related to NAAC in the Google Forms. The IQAC will send letters to the Steering Committee members accordingly and the concerned conveners of each Criteria will call a meeting of their Key Indicator committees members regarding the progress made in collecting the NAAC related information and also the conveners will

extend the invitation to their sub-committee members to remain present in the above meeting without fail so as to make above program a grand success.

- The Committee recommended to invite all the Steering Committee Members of various NAAC Criteria to the IQAC Meetings in the future up till the NAAC PEER Team visit so as to present the progress made by their committee along with the action plan.

Meeting ended with a vote of thanks to the Chair and committee members for their active participation.

**(Dr. Murlidhar Chandekar)**  
Vice Chancellor / Chairman

**(Dr.S.F.R. Khadri)**  
Secretary



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### REPORTS OF THE CONFERENCES / SEMINARS/ WORKSHOPS ON QUALITY CONDUCTED

This is to certify that the following are the reports of conferences/ seminars/ workshops conducted by IQAC on quality initiatives during the last five years.

Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2015-2016	One Day NAAC Accreditation Awareness Workshop for Affiliated Colleges	233	27-06-2015
	One day regional workshop on "Policy Framing for Skill Development in Higher Education: Skill India, Make in India – Make in Maharashtra, Start up India	135	21st May 2016
2016-17	State level workshop on National Education Policy held at Audio Visual Theatre	248	2 <sup>nd</sup> October, 2016
2017-2018	Orientation Programme for 1 <sup>st</sup> Year Students	1200	18 <sup>th</sup> & 19 <sup>th</sup> Sept., 2017
	One Days Faculty Development Workshop on revised NAAC Methodology for Principal/ IQAC Co-ordinatore of Affiliated College held at Shri Shivaji Sci. College, Amravti	165	23 <sup>rd</sup> November, 2017
	One Days Faculty Development Workshop on revised NAAC Methodology for Principal/ IQAC Co-ordinatore of Affiliated Colleges held at Shri Shivaji College, Akola	135	24th November, 2017
	Three Days Faculty Development Workshop on revised NAAC Methodology for Principal/ IQAC Co-ordinatore of Affiliated Colleges Held at R. A. College, Washim	105	25th November, 2017
	International Conference on Future Perspective of Physical Education sports, sciences and yogic practices in collaboration with Dept. of Physical Education, SGBAU	145	15 & 16 December 2017
	National Conference on Basin dynamics, Facies architecture and Paleoclimate & 34th Convention of Indian Association of Sedimentologists Organised by Department of Geology, SGBAU and IQAC, SGBAU	175	19 <sup>th</sup> to 21 <sup>st</sup> December, 2017
	Workshop on NET/SET Guidance in collaboration with department of maths SGBAU Adarsh Science College Dhamangaon(Rly), RDIK Badnera, GVISH Amravati Mathematical Science in collaboration with department of maths	130	22 <sup>nd</sup> December 2017
	State level workshop on preparation, strategies and guidelines for P.G. Entrance Examinations in Mathematics organised by Brijlal Biyani Science College, Amravati and IQAC, SGBAU	102	20 to 22 January, 2018
	UGC (CPE) and DST sponsored International conference on Recent Trends in Science and Technology organised by S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad), Department of Mathematics, SGBAU and IQAC, SGBAU	165	22 <sup>nd</sup> to 23 <sup>rd</sup> March, 2018
	UGC Sponsored 3 <sup>rd</sup> National Conference on Self Employability Skills Development in Physical Education and Sports Science Organised by IQAC, SGBAU and Department of Physical Education, SGBAU	150	13-12-2018
RUSA, Maharashtra sponsored One Day workshop on Revised NAAC Accreditation, NIRF and RUSA-3 organised by RUSA Maharashtra, Joint Director, Higher Education, Amravati Region, IQAC, SGBAU and GVISH, Amravati	175	26th April 2019	

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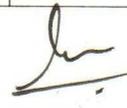
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Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2018-2019	Regional level workshop on New Accreditation Methodology: An Overview organised by IQAC, SGBAU and Shri Shivaji College of Arts, Commerce and Science, Akola	125	28th March, 2019
	National Seminar on Revised Accreditation Framework and Institutional Preparation: An Overview organised by IQAC, SGBAU and Vidya Bharati Mahavidyalaya, Amravati	90	09-03-2019
	State Project Directorate RUSA Faculty Development Workshop on Revised NAAC Methodology for the Principals / IQAC Coordinators of Affiliated Colleges. Held at Audio Visual Theatre	106	29th to 31st January 2019
	National Seminar on use of ICT in teaching learning and evaluation organised by IQAC, SGBAU & MSP Arts & KPT Commerce College, Manora	115	07-01-2019
	State Level One Day Workshop on Teaching Methodology 'Need of Today's Higher Education' organised by IQAC, SGBAU and IQAC, Rajashree Shahu Science College, Chandur Rly	125	01-04-2019
2019-2020	Interest Exploration Meeting, Indian Space Research Organization Respond Programme organized by Department of Biotechnology, UGC Human Resource Development Centre and IQAC, Sant Gadge Baba Amravati University, Amravati	60	13-Jul-19
	State Level One Day workshop on Revised NAAC framework and edocumentation organised by IQAC, SGBAU and Dnyaneshwar Maskuji Burungale Science and Arts College, Shegaon	175	25-07-2019
	One day workshop on New Methodology of NAAC organised by IQAC, Sant Gadge Baba Amravati and IQAC, Shrimati Nankibai Wadhvani Arts College, Yavatmal	145	29-07-2019
	Two Days National Workshop on Quality Initiative in Higher Education for achieving excellence in Golbal Ranking held at Dr.K.G. Deshmukh Memorial Hall	250	13-11-2019
	Assessors Orientation Programme, Organised by NAAC, Bangalore and IQAC, Sant Gadge Baba Amravati University	85	18-Nov-19
	One Day Workshop on Awareness for Autonomy of Colleges, NAAC Revised Accreditation Framework (RAF) and National Institutional Ranking Framework (NIRF) organised by IQAC, SGBAU and Joint Director (Higher Education), Amravati Division	195	17-Feb-20

Place : Amravati  
Date :- 26/04/2021

  
Director, IQAC

  
Registrar  
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**REPORT OF THE COLLABORATIVE QUALITY INITIATIVES WITH OTHER INSTITUTIONS  
FOR THE YEAR 2019-20**

This is to certify that the following are the reports of collaborative quality initiatives with other institutions for the Year 2019-20

Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2019-2020	Interest Exploration Meeting, Indian Space Research Organization Respond Programme organized by Department of Biotechnology, UGC Human Resource Development Centre and IQAC, Sant Gadge Baba Amravati University, Amravati	60	13-Jul-19
	State Level One Day workshop on Revised NAAC framework and edocumentation organised by IQAC, SGBAU and Dnyaneshwar Maskuji Burungale Science and Arts College, Shegaon	175	25-07-2019
	One day workshop on New Methodology of NAAC organised by IQAC, Sant Gadge Baba Amravati and IQAC, Shrimati Nankibai Wadhvani Arts College, Yavatmal	145	29-07-2019
	Two Days National Workshop on Quality Initiative in Higher Education for achieving excellence in Golbal Ranking held at Dr.K.G. Deshmukh Memorial Hall	250	13-11-2019
	One Day Workshop on Awareness for Autonomy of Colleges, NAAC Revised Accreditation Framework (RAF) and National Institutional Ranking Framework (NIRF) organised by IQAC, SGBAU and Joint Director (Higher Education), Amravati Division	195	17-Feb-20

Place : Amravati  
Date :- 26/04/2021

  
Director, IQAC

  
Registrar  
REGISTRAR  
Sant Gadge Baba  
Amravati University,  
Amravati.



**REPORT OF THE ONE DAY NAAC ACCREDITATION AWARENESS WORKSHOP FOR  
AFFILIATED COLLEGES**

This is to certify that following is the report of the One Day NAAC Accreditation Awareness Workshop for Affiliated Colleges held on 27<sup>th</sup> June, 2015

Name of Workshop	Number of Participants	Date
One Day NAAC Accreditation Awareness Workshop for Affiliated Colleges	233	27 <sup>th</sup> June 2015

**Report on One Day NAAC Accreditation Awareness Workshop for Affiliated Colleges**

**27<sup>th</sup> June, 2015**

Sant Gadge Baba Amravati University has been re-accredited by NAAC in the year 2010 with "B" grade (CGPA 2.63). Since then, the University is striving to bring-in the academic and administrative quality measures by implementing the recommendations of the NAAC team. Most of them have been brought into practice.

The process of Accreditation in the affiliated colleges based on the outcome of feedback received by NAAC over a long period through various consultative meetings, expert group meetings, comprising of eminent academicians from University and Colleges along with the feedback received through the web from all the stakeholders this resulted in the development of revised Assessment & Accreditation which is technology enabled and user friendly. Hence it is very much essential to under the changes made in the process for better understanding of NAAC framework for Assessment & Accreditation based on the core values and criteria for assessment and key indicators along with the preparation of SSR online, peer assessment and final outcome of Accreditation.

The present workshop has focused on various issues related to NAAC Accreditation process for the benefit of all the affiliated colleges of Sant Gadge Baba Amravati University so as to help them to prepare for the revised process of Assessment & Accreditation with full confidence so as to achieve best possible outcome.

This one day NAAC Accreditation Awareness Workshop for Affiliated Colleges was successfully organised by the IQAC, Sant Gadge Baba Amravati University in which 233 participants from affiliated Colleges were present. Various resource persons of high repute have been invited to deliver guidance to the IQAC Coordinators, Principals and other teaching faculty from various affiliated colleges so as to impart knowledge regarding the seven Criteria of the NAAC. All the participants were very much satisfied as evident from their



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feedback regarding the above workshop. Similarly, all the queries from the participants were answered by the resource persons so as to make them confident for the NAAC Accreditation process. Overall the workshop was very much successful as it has develop confidence among the participants regarding the NAAC Accreditation process.

The first half part of the programme ended with talk of **Chairman and Hon'ble Vice Chancellor of Sant Gadge Baba Amravati University Dr. Mohan Khedkar** on "NAAC Accreditation Awareness Workshop for Affiliated Colleges". He mentioned about the mechanism, challenges and excavation of A & A.

Overall, the NAAC Accreditation Awareness Workshop for affiliated colleges was successfully conducted by the Director, IQAC under the Chairmanship of Hon'ble Vice Chancellor through the IQAC, Sant Gadge Baba Amravati University. All the participants have expressed their fullest satisfaction and highly appreciated the overall organisation of the NAAC Accreditation Awareness Workshop for affiliated colleges including Registration, Hospitality, Travel Arrangements, Technical Sessions including facilities provided for the group activity for report writing by each group and accommodation. Various dignitaries of highest repute were felicitated by offering a Memento by the hands of the Hon'ble Vice Chancellor.

Finally, Dr. S.F.R. Khadri, Director, IQAC & Professor and Head, Dept. of Geology, S.G.B. Amravati University offered a vote of thanks to all the participants, dignitaries, resource persons, university authorities, administration and various team members who have helped in making this programme a grand success.

Place : Amravati  
Date :- 27/04/2021

  
**Dr. S.F.R. Khadri**  
Director, IQAC

  
**REGISTRAR**  
Sant Gadge Baba  
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**REPORT OF THE ONE DAY WORKSHOP ON AWARENESS FOR AUTONOMY OF COLLEGES,  
NAAC REVISED ACCREDITATION FRAMEWORK (RAF) & NIRF**

This is to certify that following is the report of the One Day Workshop on Awareness for Autonomy of Colleges, NAAC Revised Accreditation Framework (RAF) and National Institutional Ranking Framework (NIRF) organized by IQAC, Sant Gadge Baba Amravati University & Joint Director (Higher Education), Amravati Division held on 17<sup>th</sup> February, 2020

Name of Workshop	Number of Participants	Date
One Day Workshop on Awareness for Autonomy of Colleges, NAAC Revised Accreditation Framework (RAF) and National Institutional Ranking Framework (NIRF)	195	17 <sup>th</sup> February, 2020

**Report of the One Day Workshop on Awareness for Autonomy of Colleges, NAAC Revised Accreditation Framework (RAF) and National Institutional Ranking Framework (NIRF)**

**17<sup>th</sup> February, 2020**

The Sant Gadge Baba Amravati University has been re-accredited by NAAC in the year 2010 with "B" grade (CGPA 2.63). Since then, the University is striving to bring-in the academic and administrative quality measures by implementing the recommendations of the NAAC team. Most of them have been brought into practice. The University has been re-accredited (3<sup>rd</sup> Cycle) by NAAC in 2016 with "A" grade (CGPA 3.07)

The workshop is aimed at highlighting the importance of autonomous colleges, the UGC document on the profile of higher education in India clearly states that: "The only safe and better way to improve the quality of undergraduate education is to delink most of the colleges from the affiliating structure. Colleges with academic and operative freedom are doing better and have more credibility. The financial support to such colleges boosts the concept of autonomy."

The basic eligibility for autonomy of the Colleges (of any discipline) depends upon whether the college is aided, partially aided and unaided/self financing are eligible provided they are under Section 2(f) of the UGC Act. The college should have at least 10 years of existence. The colleges must be accredited by either NAAC with minimum 'A' Grade or by NBA for at least three programmes with a minimum score of 675 individually or a corresponding accreditation Grade/score from a UGC empanelled accreditation agency. However, if the number of programmes being run by the Institution is less than three, then each of the programmes should secure 675 or more marks. Accreditation status must be valid at the time of application. Provided further, the existing autonomous colleges will be required to comply with this eligibility condition within a maximum period of five years from the date of notification of these Regulations. The constituent colleges shall also undergo separate accreditation by NAAC/NBA/UGC empanelled accreditation agency to be considered eligible. (i) Colleges accredited with a score of 3.0 and above, up to 3.25 on a 4 point scale of NAAC/corresponding NBA score / corresponding accreditation score from a UGC empanelled accreditation agency at the time of application shall be considered for grant of autonomous status with an on-site visit of the duly constituted Expert Committee. (ii) Colleges which have a NAAC score of 3.26 and above, up to 3.50 or a corresponding NBA score or a corresponding accreditation Grade/score from a UGC empanelled accreditation agency for one complete cycle and also accredited accordingly in the second cycle, shall be considered for grant of autonomous status without onsite visit by the Expert Committee. (iii) Colleges with 3.51 and above in a 4 point scale of NAAC or a minimum



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of three programmes have been accredited by NBA with a minimum score of 750 individually or a corresponding accreditation Grade/score from a UGC empanelled accreditation agency at the time of application shall be considered for grant of autonomous status without onsite visit by the Expert Committee.

The present workshop has focused on various issues related to the terms and conditions, eligibility criteria for granting autonomy to the affiliated colleges of Sant Gadge Baba Amravati University, revised accreditation framework (RAF) of NAAC and National Institutional Ranking Framework (NIRF) so as to achieve best possible outcome. The workshop has provided excellent information regarding the awareness for autonomy of colleges, NAAC revised accreditation framework and national institutional ranking framework so as to motivate the colleges for adopting the same. The workshop has also provided NAAC revised guidelines for the accreditation of colleges under RAF with effect from 04.02.2020 based on the feedback received by NAAC over a long period through various Consultative Meetings, Expert Group Meetings, which comprised of eminent academicians representing the University and College sectors. In addition, the NAAC also solicited feedback through the web from the stakeholders and specifically from the academia during the Assessors Interaction Meetings (AIM). The entire revision exercise has successfully resulted in the development of an assessment and accreditation framework which is technology enabled and user friendly. Higher Education Institutions (HEIs) desirous of seeking accreditation from now on will need to understand the changes made in the process. Keeping this in mind, the Manuals have been revised separately for Universities, Autonomous Colleges and Affiliated/Constituent Colleges. The Self-Study Report (SSR) forms the backbone of the entire process of accreditation. Special effort has been made to differentiate some of the items to render them more applicable to different categories of institutions. The proposed workshop has created awareness among the colleges by educating the affiliated colleges regarding the revised accreditation framework as per the new guidelines of NAAC and it will certainly help the HEIs to prepare for the revised process of assessment and accreditation.

The first half part of the programme ended with talk of **Chairman and Hon'ble Vice Chancellor of Sant Gadge Baba Amravati University Dr. Murlidhar Chandekar** on "One Day Workshop on Awareness for Autonomy of Colleges, NAAC Revised Accreditation Framework (RAF) and National Institutional Ranking Framework (NIRF)". He mentioned about the mechanism, challenges and excavation of A & A.

Overall, One Day Workshop on Awareness for Autonomy of Colleges, NAAC Revised Accreditation Framework (RAF) and National Institutional Ranking Framework (NIRF) for affiliated colleges was successfully conducted by the Director, IQAC under the Chairmanship of Hon'ble Vice Chancellor through the IQAC, Sant Gadge Baba Amravati University. All the participants have expressed their fullest satisfaction and highly appreciated the overall organisation of the NAAC Accreditation Awareness Workshop for affiliated colleges including Registration, Hospitality, Travel Arrangements, Technical Sessions including facilities provided for the group activity for report writing by each group and accommodation. Various dignitaries of highest repute were felicitated by offering a Memento by the hands of the Hon'ble Vice Chancellor. Dr. Vijay Joshi, Advisor, RUSA has delivered expert lecture on "**Awareness Programme for Autonomy of Colleges**" during the technical session I. Dr. Avinash Moharil, Dean Faculty of Humanities has delivered expert talk on "**Revised Accreditation Framework of NAAC**" during the technical session II. Dr. S.F.R. Khadri, Director, IQAC has delivered expert talk on "**National Institutional Ranking Framework (NIRF)**" followed by interaction and feedback by the participants.

Finally, Dr. S.F.R. Khadri, Director, IQAC & Professor and Head, Dept. of Geology, S.G.B. Amravati University offered a vote of thanks to all the participants, dignitaries, resource persons, university authorities, administration and various team members who have helped in making this programme a grand success.

Place : Amravati  
Date :- 27/4/2021

  
**Dr. S.F.R. Khadri**  
Director, IQAC

  
**REGISTRAR**  
Sant Gadge Baba  
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# **International Conference on Future Prospective of Physical Education, Sports Sciences and Yogic Practices**

**On**

**15th and 16th December, 2017**

**Organized By**

**Department of Physical Education & IQAC  
S G B Amravati University, Amravati**

Department of Physical Education and IQAC of Sant Gadge Baba Amravati University was conducted an International Conference on “Future Prospective of Physical Education, Sports Sciences and Yogic Practices on 15<sup>th</sup> and 16<sup>th</sup> December, 2017. The sub-themes are:

1. Health Fitness and Wellness
2. Future Perspective of Sports Science and Technology
3. Sports Psychology
4. Sports Management and Marketing
5. Yoga as a traditional System of exercise
6. Sports Training etc.

The chief Patron of this International Conference was Dr. Murlidhar Chandekar, honourable Vice- Chancellor of SGB Amravati University, Amravati. Key-note address were delivered by Dr. K. Chandrashekar from Madurai. Dr. Anil Karwande, Dr. Rakesh Gupta from Indira Gandhi Institute of P.E. and Sports Science, New Delhi, Dr. Ikram Hussain, Aligarh Muslim University, Dr. V. Satyanarayan from Osmania University, Dr. B. C. Kapri (BHU), Dr. Sunil Dudhale (MP), Dr. George Abraham Principal YMCA, Chennai, Dr. P. N. Deshmukh, Dr. Jaganmohan Siddha, Hyderabad etc.

The participants and Paper Presenters were come from India and Abroad. 318 Quality Research Papers were received out of that 176 presented in this



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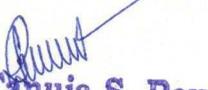
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Conference. Also so many Resource Persons were come from different states of India and Abroad too. The International Resource Persons were:

1. Dr. Ferman Konukman, Qatar University, Doha Qatar
2. Dr. Abdel Al-Zubaidy, University of Tikrit, Iraq
3. Dr. Raul Calderon, Kasetsart University, Thailand
4. Dr. Krzysztof Stec, JanDlugosz University, Poland
5. Eight students from abroad who were studying in Aurangabad and Osmania University of India.

Dr. Rajesh Jaipurkar, Hon'ble Pro Vice-Chancellor, S G B Amravati University preside valedictory function. Dr. Ajay P. Deshmukh Registrar of S G B Amravati University, Dr. K.K. Debnath are the guest of honour. All are explained about Future prospective of Physical Education.

  
**Dr. Tanuja S. Raut**  
Conve ner  
ICFP-2017

  
**REGISTRAR**  
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**UGC Sponsored 3<sup>rd</sup> National Conference on  
Self-Employability Skill Development in Physical Education and  
Sports Sciences**

**Organized By  
Department of Physical Education & IQAC  
S G B Amravati University, Amravati**

Department organised a UGC Sponsored National Conference on 13<sup>th</sup> and 14<sup>th</sup> December in the year 2018. The main theme of the conference was "Self Employability Skill Development in Physical Education and Sports Sciences". The sub-themes were:

1. Health, Fitness and Wellness management
2. Rival of Recreational, Traditional and Indian Games
3. Sports Physiotherapy
4. Sports Coaching and Training
5. Creation and Maintenance of Play field and So on.

The theme was exact according to current circumstances. This conference provided a good platform for awareness regarding Self-employability in the field of sports, Physical Education and yogic Sciences. In this occasion felicitate Solvent Personalities (Padmashree Prabhakar Vaidya, Dr. Vijayrao Vaidya, Dr. Karmarkar, Dr. Tiwari, Dr. V. M. Sharma, Dr. R. C. Kapil, Dr. S. H. Deshpande, Dr. R. M. Kadu and Dr. Arun Khodaskar) in the field of Physical education with the hand of Honourable Vice chancellor, Dr. Murlidhar Chandekar.

Key-note address were delivered by Dr. Arvind Malik, Head Department of Physical Education, Kurukshetra University, Haryana. The resource persons Dr. C. D. Agashe, Professor, Dept. of Physical Education Pt. Ravi Shankar Shukla University, Raipur, Dr. Anil Karwande, Dr. Rakesh Gupta from Indira Gandhi Institute of P.E. and Sports Science, New Delhi, Dr. Ikram Hussain, Aligarh



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AMRAVATI - 444602  
(M.S.)

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Muslim University, Dr. V. Satyanarayan from Osmania University, Dr. K. Chandrashekar from Madurai, Dr. Mahendra Savant from Trivandrum, Dr. Noida Chand from Manipur were come from 18 states of India and shared their views on this occasion.

In this conference 285 Delegates were participated and 282 Quality Research Papers were received for this Conference. Out of that 124 Research Papers were presented in 16 technical sessions at two different venues.

Dr. Rajesh Jaipurkar, Hon'ble Pro Vice-Chancellor, S G B Amravati University preside valedictory function. Dr. Ajay P. Deshmukh Registrar of S G B Amravati University, Dr. Pradeep Khedkar are the guest of honour. All are explained about the need and scope of employability in different spectrum of Physical Education.

  
**Convener  
NCSE-2018**

  
**REGISTRAR  
Sant Gadge Baba  
Amravati University,  
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## **International e-conference on Future Road Map for health, fitness and wellness**

*International e-conference on Future Road Map for health, fitness and wellness,*

Organised by PG department of Physical Education and IQAC, S.G.B. Amravati University, Amravati was held on 30<sup>th</sup> and 31<sup>st</sup> July, 2020. Total 1496 participant were registered for this e-conference.

The program was initiated with the university song. The Inaugural function was arranged under the chairmanship of Hon. Vice-chancellor Dr. Murlidhar Chandekar. The chief guests of the function was Dr. Manisha Kale dean of interdisciplinary faculty, Dr. Arjunsihn Rana honourable VC of Swarnim Gujarat Sports University, Gandhinagar, Gujrat who inaugurated the function. Second Guest of Honour and the speaker was Dr. Ravindra Kadu, Chairperson west regional committee of NCTE also well-known international athlete & arjun awardee Mrs. Aswini Nachappa were present and motivated the participants by her speech,

Dr. Tanuja S. Raut the convener of the international e-conference presented the theme of the conference. The program was anchored by Dr Pravin C. Dabre. After inauguration function key-note address were delivered by Dr. C. D. Agashe, Professor, Dept. of Physical Education Pt. Ravi Shankar Shukla University, Raipur. Next Dr. P. N. Pabrekar Senior consultant RUSA, Govt. Of Maharashtra, presented his topic of institutional social responsibility & role of Physical Educator.

Dr. Ferman Konukman, Qutar University, Doha Qutar & Dr. Bijen Filiz, Atyon Kocatepe University, Turkey delivered their talk very nicely. In the Next session Dr. Bhavansingh Vanar, Director of Physical Education & sports, Gujrat University, Ahmedabad motivated the participants by his quality talk. In the consequent sessions Dr. Anil Karwande from Nagpur, Dr. Arvind Malik from Kurukshetra University, Haryana, Dr. Veerendra C. well known sports psychologist, India, Dr. Yvonne paul, Tshwane University of technology, South Africa were presented their views on the topics related with soprts and Yoga and motivated the participants.



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On 31<sup>st</sup> July, i.e. today in the morning session Dr. Raul Calderon from Kasetsart University, Thailand, Dr. Rakesh Gupta from Indira Gandhi Institute of P.E. and Sports Science, New Delhi, FDr. Abdel Wadood Ahmad, University of Tirkat, Iraq, Dr. Ikram Hussain, Aligarh Muslim University were talked about various aspect of Sports and Yoga.

In the afternoon session Dr. V. Satyanarayan from Osmania University, Dr. G. L. Gulhane from Sant Gadge Baba Amravati University, Dr. Wisam Alshaikhali president of International Federation of Sports Science, London were delivered their talk on the conference theme. In this conference rescotes person and speakers from all over the India. Dr. Rajesh Kumar & Dr. Jagan Mohan Siddha Osmania University Dr. K. Chandrashekar from Madurai, Dr. Mahendra Savant from Trivandrum, Dr. Noida Chand from Manipur and international delegates Dr. Sumitra Mandal, Ethiopia.

Dr. Rajesh Jaipurkar, Hon'ble Pro Vice-Chancellor, S G B Amravati University preside valedictory function, Dr. Tushar Deshmukh Registrar of S G B Amravati University, Dr. Pradeep Khedkar, Oinam Bembem Devi are the guest of honour and chief guest, Dr. Sheila Stephen, Vice-Chancellor Tamil Nadu Physical Education and Sports University, Chennai were present in valedictory function. All are explained about importance of health and fitness.

In technical Session I & Session II total 16 (sixteen) research Papers were presented. For the chair of technical session Dr. Jayant Chatur, Dr. G. K. Dhokrat, Dr. Makrand Joshi, Dr. Bappa Maske, Dr. B. D. Salvi, Dr. B. A. Khan, Dr. Tommy Jose, Dr. Madhavi V. Mardikar, Dr. A. P. Upadhyay, Dr. P. N. Deshmukh, Prof. Dr. Vasanti Kadhiravan & Dr.R. C. Kapil were present and give essential feedback. For Technical Committee Mr. Nilesh S. Ingole & Mr. Saurav Tripathy. Lastly Report of the conference was given by the Dr. P. V. Shigvekar and Vote of Thanks was given by Dr. Tanuja S. Raut convener of the conference.

  
**Dr. Tanuja S. Raut**  
Conve ner

  
**REGISTRAR**  
Sant Gadge Baba  
Amravati University,  
Amravati.

A Report on



State Level Workshop On

***Preparation Strategies And Guidelines***  
***For PG Entrance Examinations in Mathematics***

SLWPSG-2018

**20-22 January 2018**



*Organizing Department*

**Department of Mathematics**

**BRIJLAL BIYANI SCIENCE COLLEGE, AMRAVATI.**

*In Collaboration With*

**IQAC and Department of Mathematics,**

**Sant Gadge Baba Amravati University**

**SGBAU Mathematics Teachers' Association, Amravati.**

Brijlal Biyani Science College, Amravati's Department of Mathematics has successfully organized a three day "**State Level Workshop on Preparation, Strategies and Guidelines**" (SLWPSG-2018) for **P.G. Entrance Examinations in Mathematics on 20-22 January 2018**, in collaboration with IQAC and Department of Mathematics, Sant Gadge Baba Amravati University and SGBAU Mathematics Teachers' Association, Amravati.

The workshop was inaugurated with auspicious lamp lighting to Sant Gadge Baba and Shri Brijlalji Biyani, the founder of this institution at the hands of Dr. T.M.Karade, Ex-Vice Chancellor, Indiana University Raipur. The function was presided by Adv. Ashokji Rathi, President, Shri. Brijlal Biyani Siksha Samiti, Amravati. Mr. R.H. Navandar, Secretary, Shri. Brijlal Biyani Siksha Samiti, Amravati, Dr. S.D.Katore, Prof. and Head, Department of Mathematics, SGBAU, Amravati were the guest of honors for the occasion. Dr. N.G. Belsare, Principal, Brijlal Biyani Science College, Amravati, Dr. P.R.Agrawal, Convenor of the workshop, Mr. H.G. Paralikar, Organizing Secretary of the workshop were also present on the dias. The workshop was a grand success attracting 200 students of 41 different colleges from 5 different universities.

Dr. P.R.Agrawal presented her introductory remarks, which included the aim and objective for organizing the workshop. She stressed on the theme of the workshop "Discovering Opportunities" and said that in this 3 days the team is going to sow a dream in the hearts of the participants of aspiring beautiful and successful future in Mathematics.

Dr. N.G.Belsare, in his welcome address told that how each and every discipline is incomplete without Mathematics. He also appreciated the efforts taken by the faculties of the department and said that it is a matter of proud to host such a unique event.

Dr. S.D. Katore shed light on the present situation wherein we see that the University results are 80% whereas the entrance exams results are only 5% to 7%. So he highly

appreciated this activity and said that this a very unique kind of student centric activity. Mr. H.G.Paralikar presented the vote of thanks.

In his Key Note Address, Dr. T.M.Karade mentioned that there is a need to bring back old methodology of learning Mathematics. He emphasized that learning Mathematics should be done in our mother tongue, so that it directly touches the heart of the student. At the end he endowed the words of blessings for the workshop.

In his presidential address Adv. Ashokji Rathi presented his fear for Mathematics and also accepted that without learning Mathematics our knowledge remains incomplete. He also said that the institution will always support such student centric activities which aims at the progress and development of the students.

The Inaugural function concluded with Vote of thanks by Mr. H.G.Paralikar where he expressed his gratitude to everyone for being a part of this unique kind of workshop.

The whole workshop was divided into 13 technical sessions guiding them towards the entrance examinations for Post Graduate and integrated programmes conducted by various reputed institutions like IITs, ISI, ISSER, BHU, DU, HRI, HCU, etc. The resource persons were invited from various universities across the state.

On the first day three lectures was delivered

- ❖ Dr.V.C.Borkar, Head, Department of Mathematics, Yashwant Mahavidyalaya, Nanded. Topic : Mean Value Theorem, Sequence and Series.
- ❖ Dr K.L.Bondar, Head, Department of Mathematics, N.E.S.Science College, Nanded. Topic : Differential Equations.
- ❖ Mr. H.G.Paralikar, Assistant Professor, Brijlal Biyani Science College, Amravati. Topic : Mathematics After Graduation

The sessions concluded with a screening test, a 100 marks objective paper test of 1 hour. From this test 20 participants were screened for State Level Quiz Competition which was held in the evening on the second day of the workshop.

## **Day 2**

Second day started with sessions from 9.00 am

- ❖ Dr. P.R.Kulkarni, Department of Mathematics, N.E.S.Science College, Nanded.  
Topic : Vector Calculus
- ❖ Mr. R.V.Mapari, Department of Mathematics, GVISH, Amravati.  
Topic : Function of One Variable
- ❖ Mr. S.B.Kadam, Department of Mathematics, Sundarrao Solanke Mahavidyalaya, Majalgaon, Dist. Beed.  
Topic : Function of Two Variable
- ❖ Mr.M.G.Bhujade, Department of Mathematics, L.T. Mahavidyalaya, Wani  
Topic : Eigen Value & Eigen Vector
- ❖ Mr. M.C.Dhabe, Department of Mathematics, M.S.P. Arts & Science College, Manora.  
Topic : Career Opportunities in Mathematics.
- ❖ Dr. P.R.Agrawal, Head, Department of Mathematics, Brijlal Biyani Science College, Amravati.  
Topic: Interactive Session

An exciting State Level Quiz Competition In Mathematics For Undergraduate Students was organized on 21<sup>st</sup> January 2018.

The participants of the Quiz Competition were among the participant of the workshop coming from different districts of the State. A one hour screening test was organized on 20<sup>th</sup> of January after the workshop schedule comprising of 100 Mathematics question. Based on the results of the test 20 students were screened for the quiz competition. These students were divided into 5 groups. The participants of the workshop were the enthusiastic audience to witness this exciting event.

The quiz was divided into four rounds:

Buzzer Round, Rapid Fire, Tortoise Round. Every round was a mixed bag with questions from Algebra, Analysis, Calculus, etc. All the students were at the edge of their seats to know the answers and the participants were very active.

As a result of this quiz competition 3 groups who scored maximum played musical chair, which was very exciting as all those who successfully grabbed the chair has to answer a question to keep the chair safe. The questions put forth to the participants were intriguing, exciting and made the audience applaud excitedly when the participant answered correctly.

This quiz truly was a learning experience, for both the audience and the participants. Mr. Kiran Gulhane, Shri Shivaji Science College, Amravati bagged the first position, Mr. Dhiraj Puri, DSM College, Parbhani was placed at the second position and Ms. Bhakti Rathod, Brijlal Biyani Science College, Amravati was at the third position.

The Honorable judges for the quiz competition were Dr. D.S. Dhaigude, Head, Department of Mathematics, GVISH, Amravati and Mr. D.P.Tadas, Head, Department of Mathematics, Toshniwal ACS College, Sengaon.

The quiz was designed, organized and conducted by Mr. M.C.Dhabe, Mr.S.S.Wankhede, Mr. N.A.Niwalkar, Mr. Ashish Kange, Mr. Shyam Sarkate, Mr. Gaurav Gawhale.

### **Day 3**

❖ Mr. S.V Gore, Department of Mathematics, Indira Mahavidyalaya, Ralegaon, Dist. Yavatmal.

Topic : Point Set Topology

❖ Mr. Ather Hussain, Head, Department of Mathematics, N.S. College, Karanja(Ghadge), Dist. Wardha.

Topic : Group Theory

❖ Mr. D.P.Tadas, Head, Department of Mathematics, Toshniwal ACS College, Sengaon, Dist. Hingoli.

Topic : Group Homomorphism

❖ Mr.S.S.Wankhede, Department of Mathematics, Sant Gadge Baba University, Amravati.

Topic : Integral Calculus

The valedictory function was organized on 22<sup>nd</sup> January 2018 which was presided by Dr. N.G.Belsare, Principal, Brijlal Biyani Science College, Amravati. Dr. A.P.Deshmukh, Registrar, SGBAU, Amravati was the Chief Guest, Dr. S.F.R.Quadri, Director, IQAC, SGBAU, Amravati and Dr S.D.Katore, were the Guests of Honor. Students in their feedback in the valedictory appreciated the initiative taken for undergraduate students as most of them did not know about any of the entrance examinations. They also requested to conduct such workshop ever year. Students enjoyed their stay for three days on the campus along the delicious food.



**HEAD**  
**Department of Mathematics**  
**Sant Gadge Baba Amravati University**  
**Amravati**



Department of Science and Technology (DST)

NCSTC, DST, Govt of India; RGSTC, Govt. of Maharashtra  
& SGBAU, NMD-2019



Sponsored

# **University Level U.G. Students Seminar Competition**

**on**

## **“Number Theory”**

### **19<sup>th</sup> January 2019**

# **Report of Seminar Competition**

***Organized By***

**Department of Mathematics,**

**Shri. Dr. R .G. Rathod Arts and Science College, Murtizapur Dist. Akola (M.S.)**

**NAAC Accredited with B<sup>+</sup> grade (CGPA 2.63)**

***In Collaboration with***

**Department of Mathematics, IQAC, Sant Gadge Baba Amravati ,University and**

**SGBAU Mathematics Teachers' Association**

## Report of seminar Competition

Shri. Dr. R. G. Rathod Arts & Science College, Murtizapur Dist. Akola. (MS) run by Shri. Govindsingh Rathod Shikshan Prasarak Mandal Dahatonda in collaboration with Department of Mathematics & IQAC, Sant Gadge Baba Amravati University, and SGBAU Mathematics Teachers Association Amravati organized University Level U.G. Students Seminar Competition On Number Theory on 19<sup>th</sup> January, 2019.

Dr. K.M. Kulkarni, Ex Director, Higher education Maharashtra state and Ex Vice-Chancellor of Swami Ramanand Marathwada University, Nanded inaugurated the Function Seminar competition by lighting the traditional lamp and garlanding photo of goddess Sarswati. Dr. R. G. Rathod, President of Shri. Govindsingh Rathod Shikshan Prasarak Mandal, Dahatonda presided over the function. Of Sau D.R. Rathod Vice President, Dr. V. R. Rathod, Secretary, Dr. A. R. Rathod Joint Secretary & all Member of Shri. Govindsingh Rathod Shikshan Prasarak Mandal, Dahatonda and Dr. Jayashree Nandurkar from America & Dr. Anusha V. Rathod Mumbai were the guests of the programme. Dr. A. P. Charjan, Principal & Chief Organizer of the programme, welcome all the guests and also gave in his introductory remarks informed about the motto behind the organization of the Seminar Competition. Dr. S. D. Katore, Professor & Head Department of Mathematics of Sant Gadge Baba Amravati University, Amravati explained the aim of **the University Level U. G. Students Seminar competition** in his speech. In the programme, Dr. J. N. Salunke, Ex. Director School of Mathematical Sciences of Swami Ramanand Teerth Marathwada University, Nanded; Dr. Shrikant Chaudhary Professor and Head, Department of Mathematics of Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon; Dr. J. N. Chaudhary Head, Department of Mathematics of M. J. College Jalgaon; Dr. R. M. Dhaigude, Associate Professor, Department of Mathematics of Government Vidarbha Institute of Science & Humanities Amravati; Dr. V. G. Mete, Associate Professor & Head Department of Mathematics of R. D. I. K. & K. D. College, Badnera; Dr. V. R. Chirde, Associate Professor & Head Department of Mathematics of Gopikabai Sitaram Gawande Mahavidyalaya Umerkhed; Dr. G. R. Avchar, Associate Professor and Dr. A. M. Pund, Department of Mathematics of Shri Shivaji Science College Nagpur; Dr. R. S. Thakare of Department of Mathematics of JNV, Jamnagar, Gujrat, Dr. V. D. Sharma, Associate Professor and Head, Department of Mathematics of Arts and Science college, Amravati, Dr. D.T. Solanke, Mr. Janorkar and Mr. Haribhau D. Garjewere prominently present on the occasion.

Addressing to his inaugural speech, Dr. K. M. Kulkarni explained about the importance of Mathematics . Dr. R. G. Rathod, President of Shri. Govindsigh Rathod Shikshan Prasarak Mandal. Dahatondain his presidential speech, praised for Mathematics Department for organizing Seminar and also appealed to the students to take benefits of the guidance of great people who have attended the Seminar on number Theory. For the programme. Dr. Vidya Gaikwad. Dr. M. N. Dawande,; Heads of Mathematics of different colleges as well as principals, Lecturer, of the different Colleges of Shri. Govindsigh Rathod Shikshan Prasarak Mandal, were present in large number. Prin. Dr. V. B. Raut Vice President of SGBAU Mathematics teachers Association . Dr. M. R. Ugale of Sipnas College of Engineering, Amravati conducted the proceeding of the progammeand convener of seminar Dr. A. S. Nimkar, proposed vote of Thanks.For the Seminar Competition total **68** students from different SGBAU affiliated colleges are participated,out of 68 participants **14** students are selected for Final Round.

**First prize** winner Ku. Pursa Fatima from Vidya Bharti Mahavidyalaya, Amravati, **Second prize** Wnner Ku.Rutuja Shinde from G. S. College, Umerkhed and **Third Prize** Ku Pallavi Rathi from Bijlal Biyani science college, Amravati and **consolated prize** winner students are Ku. Ritu Paikrao from SSKR INNANI College, karanja Lad; Ku. Harsha Arbat from D. M. Burungale college, Shegaon And Ku .Ankita Ingole from Shri. Dr. R. G. Rathod Arts and Science College, murtizapur.

Dr. V. R. Chirde ,Head department of Mathematics, G. S. College Umerkhed ;Dr. V. G. Mete Head Department of Mathematics, RDIK& KD College, Badnera ;Dr.R.M.Dhaigude and Mr. Rahul Mapari .GVISH, Amravati and Mr. Tushar Nakade from G. S. Tompe college, Chandur Bazar was Subject Expert for Final Round of the Seminar competition. Also Dr. A. Y. Sheikh, Dr. V. D. Bokey, MR. C. D. Wadale, Mr. M. D. Netneskar, Mr. A. B. Khokale, Mr. Mahavir Dhabe, Ms. T. V. Chaudhary, Mr K. R. Mule, Ms .G. J. Jaju add Mr. R. S. Sautkar are completed the work as a subject expert under the guidance of Dr. P. P. Khade from Vidyabharti Mahavidyalaya, Amravati.

All Winner students have felicitated by the hand of Principal Dr. A. P. Charjan , Dr.S. D. Katore and other Guest Presented on the daise. Dr.. V. V. Kapile (Organizing Secretary) .Prof. C. B. Kale, Prof. P. P. Khade, Mr. K. R. Muley & All Teaching & Non-Teaching Staffs worked hard for the success of the seminar competition.

  
**HEAD**  
**Department of Mathematics**  
**Sant Gadge Baba Amravati University**  
**Amravati**



Department of Science and Technology (DST)

NCSTC, DST, Govt of India; RGSTC, Govt. of Maharashtra  
& SGBAU, NMD-2019

Sponsored

**National Workshop  
on  
“Number Theory”**

**19<sup>th</sup> January 2019**

**Report of Workshop**

*Organized By*

**Department of Mathematics,**

**Shri. Dr. R .G. Rathod Arts and Science College, Murtizapur Dist. Akola (M.S.)**

**NAAC Accredited with B<sup>+</sup> grade (CGPA 2.63)**

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**SGBAU Mathematics Teachers' Association**

## Report of Workshop

Shri. Dr. R. G. Rathod Arts & Science College, Murtizapur Dist. Akola. (MS) run by Shri. Govindsingh Rathod Shikshan Prasarak Mandal Dahatonda in collaboration with Department of Mathematics & IQAC, Sant Gadge Baba Amravati University, and SGBAU Mathematics Teachers Association Amravati organized National Workshop On Number Theory on 19<sup>th</sup> January, 2019.

Dr. K.M. Kulkarni, Ex Director, Higher education Maharashtra state and Ex Vice-Chancellor of Swami Ramanand Marathwada University, Nanded inaugurated the National Workshop by lighting the traditional lamp and garlanding photo of goddess Sarswati. Dr. R. G. Rathod, President of Shri. Govindsingh Rathod Shikshan Prasarak Mandal, Dahatonda presided over the function. Sau D R. Rathod Vice President, Dr. V. R. Rathod, Secretary, Dr. A. R. Rathod Joint Secretary & al Member of Shri. Govindsingh Rathod Shikshan Prasarak Mandal, Dahatonda and Dr. Jayashree Nandurkar from America & Dr. Anusha V. Rathod Mumbai were the guests of the programme. Dr. A. P. Charjan, Principal & Chief Organizer of the programme, welcome all the guests and also gave in his introductory remarks informed about the motto behind the organization of the Workshop. Dr. S. D. Katore, Professor & Head Department of Mathematics of Sant Gadge Baba Amravati University, Amravati and Chief Organizer of NWNT-2019 explained the aim of the National Workshop in his speech.

In the programme, Dr. J. N. Salunke, Ex. Director School of Mathematical Sciences of Swami Ramanand Teerth Marathwada University, Nanded; Dr. Shrikant Chaudhary Professor and Head, Department of Mathematics of Kaviyatri Bahinabai Chaudhary North Maharashtra University, Jalgaon; Dr. J. N. Chaudhary Head, Department of Mathematics of M. J. College Jalgaon; Dr. R. M. Dhaigude, Associate Professor, Department of Mathematics of Government Vidarbha Institute of Science & Humanities Amravati; Dr. V. G. Mete, Associate Professor & Head Department of Mathematics of R. D. I. K. & K. D. College, Badnera; Dr. V. R. Chirde, Associate Professor & Head Department of Mathematics of Gopikabai Sitaram Gawande Mahavidyalaya Umerkhed; Dr. G. R. Avchar, Associate Professor and Dr. A. M. Pund , Department of Mathematics of Shri Shivaji Science College Nagpur; Dr. R. S. Thakare of Department of Mathematics of JNV, Jamnagar, Gujrat, Dr. V. D. Sharma, Associate Professor

and Head, Department of Mathematics of Arts and Science college, Amravati, Dr. D. T. Solanke, Mr. Janorkar and Mr. Haribhau D. Garje were prominently present on the occasion.

Addressing to his inaugural speech, Dr. K. M. Kulkarni explained about the importance of Mathematics. He also expresses his thankfulness to the organizer of the Workshop for organizing such a Workshop at Tahsil place. Dr. R. G. Rathod, President of Shri. Govindsigh Rathod Shikshan Prasarak Mandal, Dahatondain his presidential speech, praised for Mathematics Department for organizing Workshop and also appealed to the students to take benefits of the guidance of great people who have attended the Workshop on number Theory. For the programme, Dr. Vidya Gaikwad, Dr. M. N. Dawande; Heads of Mathematics of different colleges as well as principals, Lecturer, of the different Colleges of Shri. Govindsigh Rathod Shikshan Prasarak Mandal, were present in large number. Prin. Dr. V. B. Raut Vice President of SGBAU Mathematics teachers Association and Dr. M. R. Ugale of Sipnas College of Engineering, Amravati conducted the proceeding of the programme and convener NWNT-2019, Dr. A. S. Nimkar, proposed vote of Thanks.

In the First session of Workshop Dr. Shrikant Chaudhary addressed on the topic "Arithmetic Function". Also he gave more information about application of Number Theory. After Invited talkin Session -I lunch break was given to take taste of delicious food.

#### **Invited Talk Session -II:**

After lunch break, Invited talk session -II was started in **Seminar Hall** Dr. J. N. Chaudhary Head, Department of Mathematics M. J. College, Jalgaon, gave his valuable talk on the topic "Congruence Relation" Dr. G. R. Avchar, Associate-Professor & Head Department of Mathematics of Shri Shivaji College, Nagpur was in the chair while list of participant in seminar hall were prominently present.

#### **In invited Talk the arrangement has been made in parallel session.**

**In Einstein Hall:-**Dr. R. M. Dhaigude Department of Mathematics of GVISH, Amravati made a Power Point Presentation to explain the Number theory and its Application. Dr. V. D, Sharma, Professor & Head Department of Mathematics of Arts and Science college, Kiran nagar, Amravati chaired the session. Dr. V. G. Mete Department of Mathematics of RDIK & KD, Badnera to explain the Number theory and its Application. Mr.K.M.Patil, Professor & Head Department of Mathematics of Arts and Science college, Balapur chaired the session.



**HEAD**  
**Department of Mathematics**  
**Sant Gadge Baba Amravati University**  
**Amravati**



**University Level P.G.  
Students**

**Seminar Competition on  
“Topology”**

*Sponsored and Catalyzed by*

**NCTC, DST, Govt. of India; RGSTC, Govt. of Maharashtra and  
Sant Gadge Baba Amravati University, Amravati,  
National Mathematics Day-2019  
March 12, 2019**

**Organized By**

**Department of Mathematics, IQAC,  
Shri Radhakisan Laxminarayan Toshniwal College of  
Science, Akola  
NAAC Re-accredited by “A” Grade (CGPA 3.12)**

**In Collaboration With**

**Department of Mathematics, IQAC, and Mathematics  
Teachers Association  
Sant Gadge Baba Amravati University, Amravati  
NAAC Accredited with “A” Grade.**

A Report  
On  
University Level Seminar Competition For P.G. Students  
(Tuesday, 12<sup>th</sup> March 2019)

Aiming to improve communication skills, gaining expert knowledge, networking with all the students of University and renewing motivation and confidence, department of Mathematics, Mathematics Teachers Association(MTA) of S.G.B.A.U. Amravati and department of Mathematics, Shri R.L.T. College of Science, Akola jointly organized University Level Seminar Competition for P.G. Students on the topic “**TOPOLOGY**” at department of Mathematics, Shri R.L.T. college of science ,Akola on Tuesday 12<sup>th</sup> of March 2019.

The day began with the registration of guests, participants and teachers of various colleges of S.G.B.A.U. Amravati followed by break-fast. The Inauguration Function started with the arrival of guests at 10.30 pm. The President for this function was Dr.R.B.Heda, President of Berar General Education Society, Akola. The Inaugurator for this seminar competition was Prof.V.T.Hajare, Executive member of BGE Society. Chief Guest was Shri W.G.Naikwade, Ex officiating P rincipal Shri R.L.T. College of Science, Akola. Guest of honors for this function were former faculty of the mathematics department of Shri R.L.T. college of science Prof.V.L.Ruiwale, H.O.D. Dr.S.M.Padhye and H.O.D. Dr.S.W.Bhaware. Also the dais was graced with the presence of dignitaries like Executive members of BGE Society Prof. Shrikrushna Amravatkar, Eng. Abhijeet Paranjape, Shri. Pawan Maheshwari, Shri. Shardul Digambar, Chief Organizer and Head, department of Mathematics S.G.B.A.U. Amravati Dr.S.D.Katore, Principal of Shri R.L.T. College of Science, Akola Dr.V.D.Nanoty, Secretary of MTA and Head, department of Mathematics of Aadarsh Mahavidyalaya Dhamangaon Dr.S.N.Bayaskar, Head, department of Mathematics of Dr. R.G.Rathod Mahavidyalaya Murtizapur Dr.A.S.Nimkar, NAAC Coordinator of Shri R.L.T. college of science Dr.R.L.Rahatgaonkar, Convenor and Head, department of Mathematics of Shri R.L.T. college of science Ms.S.B.Tadam and College Development Committee member Shri.D.J.Wankhade. The function began with lamp lightning and garlanding to lord Saraswati, Sant Gadge Baba and Great Mathematician Shrinivasa Ramanujan by a group of dignitaries on the dias. The program was followed by University Song. All the dignitaries on the dias were welcomed with a sapling.

Dr. S.D.Katore (Chief Organizer) gave an introductory speech. He mentioned about the significance of University Level Seminar Competition and its aims about bringing together a group of students from all over university with a significant participation. As an alumna of this college, he reminisces of the memories of Principal Late Shri M. G. Joshi. Also he said that “**Mathematics is very easy subject when we understand it**”. Ms. S. B. Tadam (Convenor) briefed about the complete event of the day. She mentioned that Department of mathematics of this college is the oldest granted department of this university.

Principal Dr.V.D.Nanoty formally welcomed all the dignitaries on the dias, guests, participants and teachers of various colleges. He said that **Prof. Naikwade is the teacher who maintaining aliveness in his teaching.**

The inaugural speech was delivered by Prof.V.T.Hazare. He described the importance of mathematics in real life. He wished for the success of the seminar competition and gave best wishes to all the participants. Also he declared the commencement of the seminar competition.

After this, release of the booklet under the title “**HIGHLIGHTS OF MATHEMATICIAN**” was done at the hands of the dignitaries on the dias. This booklet highlights the Mathematician and their contribution in Mathematics.

Followed by this, the felicitation and honoring of all former Mathematics teachers of this college was done. To pay the homage to our mathematics teachers the felicitation and honoring of the Ex Principal Late Shri M.G. Joshi sir, Late Shri N. V. Bhat, Late Shri A.V. Digambar, and Late Shri R. S. Suley was done. To pay the token of respect gratitude Ex professors Dr. S. M. Padhye, Dr. S. W. Bhaware & Prof. V. L. Ruiwale was felicitated by offering shaal, shrifal and memento. The MTA of S.G.B.A.U. honored Prof. W.G.Naikwade by **Life Time Achievement award** by the hands of Dr. R.B.Heda with shaal, shrifal and sanman patra. The words of homage was given by Ms. S. B.Tadam. Responding to the felicitation, Prof.W.G. Naikwade said a few words. He urged the students to focus more on writing and learning mathematics by practicing.

The presidential speech was delivered by Dr. R. B. Heda. In his speech he took the opportunity to guide the audience with the bright history of the institution and how has its rightful place in the society by serving at different levels. He also encouraged the students to work hard and succeed.

Dr.Samadhan Munde delivered a vote of thanks to all the dignitaries on the dais and of the dais. He thanked all the invited guests, teachers and participants for gracing the occasion by their solemn presence. The inauguration function was conducted by Ms.Asma Fatima and Mrs. Suchita A.Mohta.

After the inaugural function, the guests were taken for the inauguration of the poster Gallery of different Mathematician. All the P.G. students of the department of Mathematics of Shri R.L.T. College of Science, Akola collectively prepared posters of Mathematicians showing their contribution in mathematics.

After this the seminars began in digital rooms 1,2,3 & 4 along with a class room number 16 for those participant who needed green board for presentation. Total 33 participants from 13 colleges of S.G.B.A.U. delivered seminar in the first round. The first round took place between 12:30 pm to 2:00 pm after which there was a lunch break till 3:00 pm. All the students, participants, teachers and delegates enjoyed delicious lunch.

The second and final round began sharply at 3:15 pm in the auditorium hall in which ten participants from different rooms were selected. Dr. Nimkar and Dr. Bayaskar were worked as a judge for this round.

The valedictory function was presided by honorable Principal Dr. V.D. Nanoty. The dais was graced by Prof. V. L. Ruiwale, Dr. S. M. Padhye and Dr. S.W. Bhaware, Dr. S.D. Katore, Dr. S. N. Bayaskar , Dr. A. S. Nimkar and Ms. S. B.Tadam. Sum up of the day's activities was given by Ms.S.B.Tadam. Participants gave the good feedback for the days program. They were highly impressed by well managed nicely planned event of seminar competition. Also they were satisfied about the discussion on the topic Topology among the students and teachers of various colleges of the university. In the feedback, jury member Dr. S. N. Bayaskar briefed on the participants performance, subject knowledge, and confidence.

Later on the prizes were announced.

The consolation prize was won by **Ms. Vaishnavi Bisne**, Aadarsh College Dhamangaon and

**Mr. Jamshed Jalil**, Shri Shivaji Arts, Commerce and Science, College Akola.

Third prize was given to **Mr. Kailas Rindhe**, department of Mathematics S.G.B.A.U. Amravati .

Second prize was won by **Ms. Megha Waghode**, Shri R.L.T. College of Science, Akola.

**Ms. Vaishnavi Magarde** from Vidya Bharti College, Amravati won the first prize.

The program concluded by vote of thanks by Ms. S.B.Tadam. She thanked all the invited guests, teachers and participants for gracing the occasion by their solemn presence. Also she thanked to BGE society Akola, NCTC, DST, Govt. of India, RGSTC, Govt. of Maharashtra and Sant Gadge Baba Amravati University, Amravati and NMD-2018 for providing all kinds of facilities to conduct this seminar competition in Shri R.L.T. College of Science, Akola.

Under the guidance of Principal Dr. V. D. Nanoty all the teaching and non-teaching staff of the college were worked hard to make this event successful.

Date:27.03.19



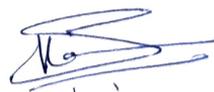
Dr. V. D. Nanoty

Principal

Shri R.L.T. College of Science,  
Akola

Principal

Shri R.L.T. College of Science  
Civil Lines, AKOLA (M.S.)



Dr. S. D. Katore

Chief Organizer & Head  
Department of Mathematics  
S.G.B.A.U., Amravati



Ms.S.B.Tadam

Convenor & Head,

Department of Mathematics

Shri R.L.T. College of Science, Akola



UGC (CPE) and DST Sponsored  
International Conference on  
**Recent Trends in  
Science and Technology**

22-23 March 2018



**INVITATION**



**Organized by**  
**S.S.S.K.R. Innani Mahavidyalaya**

**Karanja (Lad), Dist. Washim (M.S.)**

Reaccredited at level 'A' grade by NAAC (CGPA 3.24)

& Conferred CPE status by UGC, New Delhi.

*In collaboration with*

**Department of Mathematics & IQAC**

**Sant Gadge Baba Amravati University, Amravati**

**Vidya Bharati Mahavidyalaya, Amravati**

**&**

**Shri Dr. R. G. Rathod Science College, Murtazapur**

Email: [icrstst2018@gmail.com](mailto:icrstst2018@gmail.com) Website : [www.ssskrimv.org.in](http://www.ssskrimv.org.in)

Contact No.: 9766226355, 9766225771, 9325252121

# Minute to Minute Programme

## 22-23 March, 2018

### DAY-01: MARCH 22, 2018

- Spot Registration: 8:30 am to 10:00 am
- Breakfast & Tea: 8:30 am to 10:00 am
- Poster Presentation Session-I: 9:30 am to 10:30 am
- Inaugural Function: 11:00 am to 12:30 pm

11:00 am to 11:05 am - Lamp lightening, garlanding & floral welcome  
11:05 am to 11:10 am - Welcome song  
11:10 am to 11:15 am - Introductory & welcome speech: Dr. P.R. Rajput, Principal & Convener  
11:15 am to 11:25 am - Inaugural speech by Hon'ble Shri Vinodji Tawade  
Minister of Higher & Technical Education, Govt. of Maharashtra  
11:25 am to 11:30 am - Felicitation of Dr. Ajit Varma  
11:30 am to 11:40 am - Address by Dr. Murlidhar Chandekar, VC, SGBAU, Amravati  
11:40 am to 12:00 noon - Address by Dr. D.P. Singh, Chairman, UGC, New Delhi  
12:00 noon to 12:25 am - Address by Hon'ble Smt. Pratibhatai Patil, Former President of India  
12:25 am to 12:30 pm - Vote of Thanks  
12:30 pm to 12:40 pm - Break  
12:40 pm to 01:10 pm - Key Note Address by Dr. Ajit Varma, AMITY University  
01:10 pm to 01:20 pm - Interactive Session  
01:20 pm to 01.50 pm - Keynote Address by Dr. Gerhard Kost, Germany  
01:50 pm to 02.00 pm - Interactive Session  
02.00 pm to 03:00 pm - Lunch  
**03.00 pm to 05:15 pm - Technical Session-I**  
03.00 pm to 03:20 pm - Invited Talk  
03.20 pm to 03:30 pm - Interactive session  
03.30 pm to 03:50 pm - Invited Talk  
03.50 pm to 04:00 pm - Interactive session  
04.00 pm to 05:15 pm - Oral Presentation  
**05.15 pm to 07:00 pm - Technical Session-II**  
05.15 pm to 05:35 pm - Invited Talk  
05.35 pm to 05:45 pm - Interactive session  
05.45 pm to 06:05 pm - Invited Talk  
06.05 pm to 06:15 pm - Interactive session with *High Tea*  
06.15 pm to 07:30 pm - Oral Presentation  
07.30 pm to 08:30 pm - Cultural Programme  
08.30 pm to 09:30 pm - Dinner

### DAY-02: MARCH 23, 2018

08.00 am to 09:00 am - Breakfast & Tea  
09.00 am to 10:00 am - Poster Presentation Session-II  
**10.00 am to 12:15 noon - Technical Session-III**  
10.00 am to 10:20 am - Invited Talk  
10.20 am to 10:30 am - Interactive session  
10.30 am to 10:50 am - Invited Talk  
10.50 am to 11:00 am - Interactive session  
11.00 am to 12:15 pm - Oral Presentation with *High Tea*  
**12.15 pm to 02:30 pm - Technical Session-IV**  
12.15 pm to 12:35 pm - Invited Talk  
12.35 pm to 12:45 pm - Interactive session  
12.45 pm to 01:05 pm - Invited Talk  
01.05 pm to 01:15 pm - Interactive session  
01.15 pm to 02:30 pm - Oral Presentation  
02.30 pm to 03:30 pm - Lunch  
03.30 pm to 04:30 pm - Valedictory Function  
04.30 pm to 05:00 pm - Distribution of Certificates

# Inaugural Function

22 March, 2018 at 11.00 am

*The college solicits your esteemed presence at the inauguration of the Conference*

At the hands of **Hon'ble Shri Vinodji Tawade**  
Minister for School Education, Sports & Youth Welfare, Higher & Technical Education,  
Maharashtra State

**Hon'ble Smt. Pratibhatai Patil**

Former President of India  
will preside over the function

*Guest of Honour*

**Hon'ble Dr. Devisinghji Shekhawat**

Educationist & Founder President, Vidya Bharati Shaikshanik Mandal, Amravati

*Chief Guest*

**Respected Dr. D. P. Singh**

Chairman, UGC, New Delhi

*Guest of Distinction*

**Hon'ble Dr. Murlidhar Chandekar**

Vice-Chancellor Sant Gadge Baba Amravati University, Amravati

*Special Presence*

**Shri Raosaheb Shekhawat, Ex. MLA**

President Vidya Bharati Shaikshanik Mandal, Amravati

**Shri Shrikant Deshpande**

Member of Legislative Council, Maharashtra State

**Shri Dr. R. G. Rathod**

President, Govindsingh Rathod Shikshan Prasarak Mandal, Dahatonda

**Dr. Kamal Singh**

Former VC Sant Gadge Baba Amravati University, Amravati

**Dr. K. M. Kulkarni**

Former Director Higher Education, Maharashtra State

**Keynote Speakers**

**Dr. Ajit Varma**

Director AMITY University, Noida, Uttar Pradesh

**Dr. Gerhard Kost**

University of Marburg, Germany

**Eminent Scientists**

**Dr. Mahendra K. Rai** Professor Emeritus, SGBAU, Amravati

**Dr. Bernard Paul** University of Burgundy, France

**Dr. Pankaj Koinkar** Tokushima University, Japan

**Dr. Shandesh Bhattarai**, Senior Scientific Officer, NAST, Khumaltar, Kathmandu, Nepal

**Dr. Kamel Abd-Elsalam** Agricultural Research Center, Egypt

**Dr. Kim Yun Hae** Ex. Acting President, Korea Maritime & Ocean University, Korea

**Dr. Shivakar Thakur** Professor, PGV College, Gwalior

**Dr. A Shanthakumar** Director, IHHRI, Sri Lanka

**Ms. Carla Carmichael** Homeopath, MARH, Schotland, UK

**Dr. K. C. Chandran** Homeopath, Kerala

**Dr. Shrirang Dhole** Principal, Homeopathy College, Amravati

**Mr. Atsushi Yamaguchi** Tokushima University, Japan

**Convener**

**Dr. P. R. Rajput** *Principal*

**Co-Convener**

**Dr. F. C. Raghuwanshi**

Principal

Vidya Bharati College, Amravati

**Dr. S. D. Katore**

Professor & Head

Dept. of Mathematics, SGBAU, Amravati

**Dr. A. P. Charjan**

Principal

Shri Dr. R. G. Rathod Mv. Murtazapur

# Valedictory Function

23 March, 2018  
3.00 pm to 4.30 pm

**Hon'ble Shri Raosaheb Shekhawat**

President, Vidya Bharati Shaikshanik Mandal, Amravati  
will preside over the concluding ceremony

*Chief Guest*

**Hon'ble Dr. Rajesh Jaipurkar**

Pro-Vice Chancellor SGB Amravati University, Amravati

**Hon'ble Dr. Ajay Deshmukh**

Registrar SGB Amravati University, Amravati

*Guest of Honour*

**Shri Rajendra Patni**

Member of Legislative Assembly, Maharashtra State

**Shri Sheshrao Dhoke**

President Karanja (Lad) Municipal Council

**Mr. Prakashdada Dahake**

Former MLA, Karanja (Lad)

**Hon'ble Dr. K. N. Patil**

Vice President Vidya Bharati Shaikshanik Mandal, Amravati

**Hon'ble Shri Bhanwarsinghji Shekhawat**

Secretary Vidya Bharati Shaikshanik Mandal, Amravati

**Hon'ble Mrs. Manjiri Shekhawat**

Executive Member Vidya Bharati Shaikshanik Mandal, Amravati

**Hon'ble Dr. D. B. Khambre**

Educationist, Amravati

*Guest of Eminence*

**Hon'ble Dr. R. C. Kapil**

Shri Shivaji College of Physical Education, Amravati

**Mr. Ratan Bagade**

Director, Rasoni Group, Nagpur

**Dr. N. G. Belsare**

Principal Brijlal Biyani Science College, Amravati

*Gracious Presence*

**Shri Prakashseth Golcha**

Member College Development Committee

**Dr. Ajay Kant**

President Karanja Doctor's Association

**Smt. Urmilatai Thakur**

Member College Development Committee

**Shri Ashokbhai Innani**

Member Local Managing Committee

**Shri Shekharbhau Bang**

Member Local Managing Committee

**Shri Manohar Raut**

Member College Development Committee

*Convener*

**Dr. P. R. Rajput** *Principal*

*Co-Convener*

**Dr. F. C. Raghuwanshi**

Principal  
Vidya Bharati College, Amravati

**Dr. S. D. Katore**

Professor & Head  
Dept. of Mathematics, SGBAU, Amravati

**Dr. A. P. Charjan**

Principal  
Shri Dr. R. G. Rathod Mv. Murtazapur

## **Report of ICRTST 2018**

**UGC (CPE) & DST Sponsored**

### **International conference on Recent Trends in Science and Technology**

Vidyabharati Shaikshanik Mandal , Amravati's S.S.S.K.R.Innani Mahavidyalaya Karanja (lad), Dist Washim ,Maharashtra, India which is premier educational institution of central India honored by UGC and DST sponsored International conference on Recent Trends in Science And Technology on 22<sup>nd</sup> and 23<sup>rd</sup> March 2018 in collaboration with department of mathematics and IQAC Sant Gadge Baba Amravati University ,Amravati, Vidyabharati Mahavidyalaya Amravati and Shri R.G.Rathod Science college ,Murtizapur.

The conference was based on theme Science and Technology which includes all streams of science, Agriculture, Pharmacy, Engineering and Technology .The conference has also extended its scope to humanities, yoga, sports and management with reference to obligation of science. The aim of organizing the conference was to Study the recent trend of research in science and technology and also to convey the message to researcher of the country and rest of the world.

### **Inauguration**

The inauguration function of the conference was held during 11.00 am to 1.00 pm 22<sup>nd</sup> March 2018. Hon'ble Smt. Pratibhatai Patil former president of India has presided over the function, along with her following dignitaries were on dais who graced the occasion. Honorable Dr. Devising Shekhawat former president of Vidyabharati Shaikshanik Mandal and Educationist as a guest of honor, Honorable Dr. D. P. Sing Chairman, UGC as Chief guest, Honorable Dr. Murlidhar Chandekar, Vice Chancellor, SGB Amravati University, Amravati as a guest of distinction. Honorable Shri. Raosaheb Shekhawat President VBSM. Respected Dr. R. G. Rathod, President GRSPM Dahatonda, Respected Dr. Kamal Sing former Vice Chancellor, SGB Amravati University, Amravati, Dr. K. M. Kulkarni, former Director of Education Maharashtra, were present as special guests. Following eminent scientist from all over the globe was present.

1. Dr. Ajit Varma, Director Amity University, Noida UP.
2. Dr. Gerhard Kost University Marburg, Germany.
3. Dr. Mahendra K. Rai Professor Emeritus, SGB Amravati University, Amravati.
4. Dr. Bernard Paul, University of Burgundy, France.
5. Dr. Pankaj Keinkar, Tokushima University, Japan.
6. Shardesh Bhattarai, NASS Nepal.
7. Dr. Kamel Aba, Elealam, Egypt.
8. Dr. Kim Hun Hae, Korea.
9. Dr. Shirakar Thakur, Professor PGV College, Gwalior.
10. Dr. A Shanta Kumar Director IHHRI Shrilanka.
11. Ms Carla Carmichael UK, Dr. K. C. Chandran Keral.
12. Principal Shirang Dhole, Amravati.

The keynote addresses were delivered by Dr. Ajit Varma, and Gerhard Kost,

Former President of India Honorable Smt. Pratibhatai Patil has emphasized need of research on recycling of waste and renewable energy source She has advised the researcher to take initiative research to establish peace. Chairman UGC Honorable Dr. D. P. Sing also stressed need of research for the upliftment of society.

After inaugural function technical sessions commenced simultaneously at four places. This conference was planned to conduct in four different categories viz. (A) Chemical Sciences (B) Material Sciences (C) Biological Sciences and (D) Sports/ Yoga/ Humanities & Managements which was run in four parallel sessions. The details report of all section is as follows.

#### **(A) Report of Technical Sessions of Chemical Sciences**

On Thursday 22<sup>nd</sup> March, after Inaugural Ceremony, the Technical Session-I (B) of Chemical Sciences was run on 3:00 pm to 5:15 pm in the Auditorium Hall of the college. The first technical session was shortly inaugurated with felicitation of Chairperson and Resource persons. Chairperson for the first Technical Session was Dr. S. P. Deshmukh, *Shri Shivaji Science College, Akola*. In the introductory speech he introduces the resource persons of this session. Plenary talk-I was delivered by Dr. Shivakar Thakur, *Gwalior, MP*. The technical session was followed by the Interactive session from 3:20 pm to 3:30 pm in which various Scientist, academic delegates and research scholar has been actively interacted with the resource persons. Followed by the this, from 3:30 pm to 3:50 pm, Plenary talk-II was delivered by the Dr. S. Aravamudhan, *Emeritus professor, Department of Chemistry, North-Eastern Hill University, Shillong* on Theory, Computation and Simulations can be stand alone methodology as much as the reproducible experimental determination of physical quantities followed by the Interactive session from 3:50 pm to 4:00 pm with audience participated.

In the second part of this session, oral presentations of the research articles by delegates were conducted from 4:00 pm to 5:15 pm. In this event Dr.S.S.Kharbadi, *Director, Govt. College of Pharmacy, Amravati* presided as Chairperson. Juries were Dr.B.B.Wankhade, *Principal, Malkapur Science College, Malkapur*, Dr.M.S.Deshmukh, *HoD Chemistry, Matoshree Vimalabai Deshmukh, Mv, Amravati*, Dr. Hemant Chandak, *G. S. College, Khamgaon* and Dr. Muralidhar Wadekar, *Director, Pre-IASTC, GVISH Campus, Amravati*. Dr. P. R. Mandlik, *Shri Shivaji Science College, Amravati* was Rapporteur for the session.

In this session, 03 research scholars have presented their research articles. The list of research papers presenter and their topics were enlisted-

1. Ms. Varada V. Khatri : Adsorption studies on water hardness removal by using *Limonia acidissima* (Kāvath) shell activated carbon as an adsorbent
2. Mr. Bharat M. Tayade : Study of heavy metal removal from ground water by rhizofiltration in comparison with some traditional methods
3. S. B. Gaikwad : Design and synthesis of novel  $\beta$ -carbonyl derivatives as potent anticancers lead compounds

The program was conducted by Dr.C.D.Badnakhe of *Dr.Manorama & Prof. H.S.Pundkar, ACS College, Balapur* and Dr. Manisha Kodape, *Department of Chemistry, SGBAU, Amravati*.

One second day 23<sup>rd</sup> March 2018, Poster presentation session was commence form 9:00 am to 10:00 am in the SSSKRI Campus. In this session was chaired by Dr. Prasanna S. Pande, *Shankarlal Khandelwal College, Akola*, Dr.R.B.Pawar, *Department of Chemistry, SSSKRI Mahavidyalaya, Karanja* worked as a Coordinator. For this event juries were Dr. A. B. Patil, *Head, Department of Chemistry, P. N. College, Pusad*, Dr. V. V. Parhate, *Head, Department of Chemistry, VBMV, Amravati*, Dr.N.B.Sherulkar, *Department of Biotechnology, SGBAU, Amravati*, Dr.A.S.Deshmukh, *Department of Chemistry, Matoshree Vimalabai Deshmukh Mahavidyalaya, Amravati*. In this event Total 135 delegates were participated and presented their research article in the form of poster. To promote young researcher in the field of research area, Best Poster Presenter was chosen. The Best Poster Presenter award was declared to Mr. Hrishikesh Malshikhare for the poster entitled "Design and synthesis of novel  $\beta$ -carbonyl derivatives as potent anticancer lead compounds".

Technical Session-III(B) (10:00 am to 12:15 pm) was chaired by Dr.G.M.Hend, *Department of Chemical Technology, SGBAU, Amravati*. Plenary talk-II of the session was delivered by Dr. P. R. Bhagat, *VIT University, Vellore* from 10:30 am to 10:50 am on topic Role of Ionic Liquids in Green Chemistry followed by interactive session from 10:50 am to 11:00 am.

In the Technical Session IV(B) (12:15 pm to 2:30 pm), session was chaired by Dr.D.A.Pund *Jawaharlal Darda Engineering College, Yevatmal*. Plenary Talk-I was delivered

by Dr. B. P. Bandgar Ex. Vice-Chancellor, Solapur University, Solapur on topic Designing of anti-cancer lead molecules from 12:15 pm to 12:35 pm followed by interactive session from 12:35 pm to 12:45 pm. Plenary Talk-II was delivered by Dr. A. K. Prasad, Professor, Dept. of Chemistry, University of Delhi, Delhi on topic Sugars to Value Added Products of Importance from 12:45 pm to 01:05 pm followed by Interactive Session from 01:05 pm to 01:15 pm.

In the second half of the sessions delegates and research scholar actively participated in the power point presentation of their research article. The session was chaired by Dr.R.R.Wankhade, *Head, department of Chemistry, Arts & Science College, Digras*. The juries were Dr.N.S.Thakare *Principal, MSP Mahavidyalaya, Manora*, Dr. R. V. Jumle *Shri Shivaji Science College, Akot*, Dr. Y.K.Meshram *HOD Chemistry, G. S. College, Khamgaon*, Dr. Poonam Agrawal *Department of Chemistry, RLT Science College, Akola* and Rapporteur Dr. A. B. Naik *Department of Chemical Technology, SGBAU, Amravati*.

In this session, 08 research scholars have been made their presentations. The list of research papers presenter and their topics ware enlisted-

1. A.G.Gaddamwar : Efficacy of Bio-Pesticide on Chickpea Crop
2. V.B.Khajone : Synthesis of ionic liquid knotted polymer-supported Fe-phthalocyanine as photo-catalyst under solar radiation for degradation of methylene blue dye
3. Y.K.Meshram : Synthesis and study of physico-chemical properties of some substituted imine's in different organic solvents by refractometrically.
4. R.D. Binjwe : Photochemistry as in a sunny side of Green chemistry
5. Dipika Darekar : Assessing the Quality and Subsequent Phytochemical evaluation of *Calendula officinalis* using High Performance Thin LayerChromatography and Gas Chromatography-Mass Spectrometry and their biological activity
6. M.D.Game : Evaluation and Stability of Vitamins in Passion Fruit Juice
7. Divyanshi Deshkar L: Physicochemical characterization and drug release profile of carboxy methylated starches prepared from pink potato
8. Chekuri A. Varma : Impact of carboxy-methylation on the physico-chemical, morphological and thermal characteristics of yellow Poinciana seed polysaccharide

In the oral categories, Best Oral Presenter awards won by S.B.Gaikwad for the research article entitled "Design and synthesis of novel  $\beta$ -carbonyl derivatives as potent anticancer lead compounds". The program was conducted by Dr. Shital Dandale, *Technical Advisor, Hyderabad* and Dr.M.W.Bhade *Amolakchand Mahavidyalaya, Yevatmal*.

## **(B) Report of Technical Session of Material Science.**

Taking into account the variety of Subjects and huge response worldwide the technical sessions were organized at four different venues to accommodate maximum participation. Among the four, the Technical session named **Material Science** which included Physics, Mathematics, computer Science and Engineering was held in the interdisciplinary Lab in the college. As regards to the registration under **Material Science** 159 people registered their names and 114 delegates have presented their papers.

The main technical session was divided in to four sessions I, II, III, and IV. The first session opened at 3.00pm with rich tributes paid to the great cosmologist Stefan Hawking who passed away just before a few days of the conference. Two Plenary talks were scheduled in session -I. the first plenary talk was delivered by **Dr. Yun-hae KIM, Ex-acting President, Korea Maritime and Ocean University, Korea** and second plenary talk was given by **Dr. S. K. Omanwar, Prof. & HOD Physics, SGBAU, Amravati**. This session of Plenary talks was chaired by **Dr. N.S.Dharmadhikary** renowned Educationalist and **Dr.S.D.Katore**, Head of Department Mathematics, SGBAU, Amravati. At the outset the speakers and chairperson were welcomed by the coordinator. After each plenary talk interactive session was scheduled for 10 minutes, in which the queries and questions were answered by the speakers. The session was summarized by the chairperson and received a great applaud from the participants.

In the second half of the first session oral presentations of the delegates were scheduled. A panel of juries was appointed for the purpose of the evaluation. The evaluation was done on the basis of some pre-determined parameters. The results sheet of each jury was handed over to coordinator for further record. The whole session was conducted by Anchors.

Similarly the schedule of technical sessions I, II, III, and IV was quite busy and the extensive program is shown in the following formats.

**International Conference on Recent Trends in Science and Technology  
(ICRTST-2018)**

**DAY-1: MARCH 22, 2018  
(Material Sciences- Physics) - II**

**Technical Session-I**

**(C) 3:00 pm to 5:15 pm**

**Venue: IDRL**

3:00 pm to 3:20 pm **Plenary Talk-** **Dr. Yun-hae KIM**  
Ex-acting President, Korea Maritime and Ocean University, Korea

3:20 pm to 3:30 pm Interactive Session

3:30 pm to 3:50 pm **Plenary Talk-II**

**Dr. S. K. Omanwar**

Prof. & HOD Physics, SGBAU, Amrava

**Dr. S. A. Waghuley**

Department of Physics, SGBAU, Amravati

**Chairperson :**

**Dr. N. S. Dharmadhikari**

Educationist, Pune

4:00 pm to 5:15 pm **Oral Presentation by delegates**

**Chairperson:**

**Dr. V. R. Bhonde**

Principal, Y.C. Arts & Science College, Magarulpur

**Jury :**

**Dr. J. B. Thakare**

Department of Physics, S.S.S.K.R.I. Mv, Amravati

**Dr. S.A.Waghuley**

Dept.of Physics, SGBAU,Amravati

**Dr. D.N.Satange,**

Arts, Science & Commerce College, Kiran nagar ,Amravati

**Dr. G.K.Reddy**

Shivaji college, Chikhali

**Rapporteur : Dr. L.R.Mule,** Jagdamba MV, Achalpur

**Anchorers : Ms. Rashmi Baxi-Sontakke** Dept.of Maths, SGBAU, Amravati

**Ms. Jayalaxmi G. Patil** S.S.S.K.R. Innani Mv, Karanja

**Technical Session-II**

**(C) 5:15 pm to 7:30 pm**

**Venue: IDRL**

5:15 pm to 5:35 pm **Plenary Talk-I** **Dr. Ratan Bagade,** Director, Rasoni Group, Nagpur

**Topic:** Future Energy conservation for sustainable development containing global warming

5:45 pm to 6:05 pm **Plenary Talk-II**

**Dr. N. G. Belsare.**

Principal, Brijlal Biyani Sc. College, Amravati.

**Topic:** Scientific Thinking and Advancement: A Historical Perspective with special reference to Einstein

**Chairperson :**

**Dr. P. V. Ingole**

Prof. & Head, Dept. of I. T. PRMIT & R, Amravati

6:15 pm to 7:30 pm

**Oral Presentation by delegates**

**Chairperson : Dr. K. D. Patil**

Prof.& Head, Mathematics, B. D. College of Engg. Sewagram, Wardha

**Co-chairperson : Dr. S. S. Zade**

HOD Mathematics, Smt. J. B. Science Mv. Wardha

**Jury : Dr. P. P. Khade**

HOD, Dept. Of Mathematics, Vidya Bharati Mv. Amravati.

**Dr. V. G. Mete**

HOD, Mathematics, RDIK College, Amravati

**Dr. Y. S. Solanki**

Dept. Of Mathematics, M. M. College, Darwha

**Rapporteur : Dr. V. R. Patil**

Principal, Arts, Science & Commerce College,

Chikhaldara.

**Anchors : Ms. Rashmi Baxi-Sontakke**

Dept. of Mathematics, SGBAU Amravati and

**Ms. Jayalaxmi G. Patil**

S.S.S.K.R. Innani Mv. Karanja.

**DAY-2: MARCH 23, 2018**

**(Material Sciences- Mathematics)**

**Technical Session-III**

**Venue: IDRL**

**(C) 10:00 am to 12:15 pm**

10.00 am to 10.20 am **Plenary Talk- : Dr. S. D. Tade** Dept. of Mathematics , J.NMv.Nagpur

**Topic : GRAVITATIONAL THEORIES**

10.20 am to 10.30 am Interactive Session

10.30 am to 10.50 am **Plenary Talk-II : Dr. V. C. Borkar**

HOD Mathematics, Yashwant Mv. Nanded

**Topic : Application of Dynamical Systems Biological Model**

**Chairperson : Dr. R. S. Wadbudhe**

Associate Professor, Dept. Of Mathematics, Mahatma Fule Mv. Warud.

11.00 am to 12.15 pm **Oral Presentation by delegates**

**Chairperson : Dr. S. N. Bayaskar**

Dept. Of Mathematics, Adarsh M. V. Dhamangaon Rly.

**Jury : Dr. M. M. Sancheti**, Principal, R. A. College, Washim

**Dr. A. N. Mohod**

Ex-HOD, Mathematics, SSSKR Innani Mv. Karanja

**Dr. H. R. Ghate**  
HOD Mathematics, JijamataMv. Buldhana  
**Dr. V.B. Raut**, Principal, M. M. College, Darwha  
**Rapporteur :** **Dr. Anil S. Nimkar** HOD Mathematics,  
Shri Dr. R.G. Rathod Arts and Science College, Murtizapur  
**Anchor :** **Ms. Rashmi Baxi-Sontakke**  
Dept. of Mathematics, SGBAU Amravati  
and  
**Ms. Jayalaxmi G. Patil**, SSSKR Innani Mv. Karanja.

**DAY-2: MARCH 23, 2018**

**(Material Sciences- Computer Science)**

**Technical Session-IV** (C) 12:15 pm to 2:30 pm **Venue: IDRL**

12:15 am to 12:45 pm **Plenary Talk-I: Prof. Dr. S. S. Bhoga**  
PGTD Physics, RTMNU, Nagpur

12:45 pm to 01:15 pm **Plenary Talk-II: Dr. Dr. V. M. Thakare**  
Head, Dept. of Comp.Sci., SGBAU, Amravati

**Ms. S. S. Sherekar**  
Dept. of Comp.Sci., SGBAU, Amravati

**Chairperson :** **Dr. D.S.Dhote** , Brijlal Bihani MV, Amaravati

01:15 pm to 02:30 pm **Oral Presentation by delegates**

**Chairperson :** **Dr. H. S. Mahalle**, Principal, V. N. College, Sawana

**Jury :** **Dr. T.S.Wasnik**, HOD, Vidyabharati Mv, Amaravati  
**Dr. R.V.Joat** Dept. of Physics Vidyabharati Mv, Amaravati.  
**Dr. A. B. Lad** Amolakchan Mahavidyalaya, Yevatmal  
**Dr. S.G.Onkar**. HOD, Dept. of Physics ,Dhamangoan Rly.

**Rapporteur :** **Dr. Pramod Khade**, HOD Mathematics, VBMV, Amravati

**Anchor :** **Ms. Rashmi Baxi-Sontakke** Dept. of Maths, SGBAU, Amravati  
**Ms. Jayalaxmi G. Patil**. SSSKR Innani Mv, Karanja

**Results:-**

- (1) Out of all four *Oral* technical sessions of **Material Science**, Oral presentation by **Dr. R. S. Wadbudhe** was assessed to the rank first. The title of his topic was “**Almost Semi regular Modules.**”

(2) The *poster* presentation by **Mr. Mahaveer C. Dhabe** was declared as best . The title of his topic was ,”**Dynamics of Viscous Dark Energy Cosmological Models in GR.**”

**DR.J.B.Thakare**, Head of the Physics Department Co-ordinated the whole activity and **Dr. A.V.Deshmukh**, Head, Department of Mathematics, **Dr.R.A.Patil**,Department of Physics and **Dr.S.E.Tayde**,Head, Department of Computer Science assisted as Co-coordinators.

### **(C) Report of Technical Session of Biological Sciences.**

On Thursday 22<sup>nd</sup> March, after Inaugural Ceremony, the Technical Session-III (B) of Biological Sciences was run on 3:00 pm to 5:15 pm in the Botany laboratory of the college. In the event, total 297 researchers have registered their participation in technical session. In the subject Microbiology 13 participants, Biotechnology 22 participants, Botany 100 participants, Agriculture 14 participants and Zoology 148 participants registered in the conference. Out of these 30 participants has presented the papers in technical session and remaining participants have presented the papers by poster presentation.

Following resource persons have delivered the talk in technical session.

1. **Dr. Kamel Abd-Elsalam**, Agriculture Reserarch Center Egypt.
2. **Dr .Mahendra K. Rai**, Professor Emeritus, SGBAU Amravati.
3. **Dr. Jai kiran Tidke**, Ex. Pro-Vice –Chancellor SGBAU Amravati

**DR.A.M.Avinashe**, Head of the Zoology Department Co-ordinated the whole activity and **Dr. R.A.Gulhane**, Dr A.N.Deore assisted as Co-coordinators.

**(D) Report of Technical Session of Management.**

The Technical Session-IV (B) of **Management** was run on 3:00 pm to 5:15 pm in the Room no.5 of the college. In this session total 88 candidates registered their participation. The subject wise details of participation were Management 15 participants, Humanities 32 participants and Physical education 41 participants. The details of the program were followed as scheduled as follow.

**(Sports/ Yoga/ Humanities & Managements)  
Venue: Room No. 5**

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**DAY-1: MARCH 22, 2018**

**Technical Session-I (D) 3:00 pm to 5:15 pm**

**Plenary Talk- I** Dr.R.C.Kapil, Ex-HoD, Phy.Ed., SSC,Amravati

**Topic:**

**Plenary Talk- II** Dr. MahendraSawantLNCPE, Trivendrum, Kerala

**Topic:** Management of Exercise Physiology, Fitness Activity and Movement  
ScienceManagement of Exercise Physiology, Fitness Activity And Movement  
Science

**Chairperson** Dr. ArunKhodaskarFormer Principal, DCPE, Amravati

**Topic:**

**Oral Presentation by delegates4:00 pm to 5:15 pm**

**Jury** Dr. VivekGulhanePrincipal, Padmaprabhu College, Ansing

Dr.Anil DeshmukhIndirabaiMegheMahilaMv, Amravati

Dr. Subhash Gawande ShriShivaji College, Amravati

**Rapporteur :** Dr. Atul Patil RDIK, College, Badneara

**Anchors :** Dr. Pradna Yenkar VBMV, Amravati

Dr. S. K. Thorat S. S. K. R. Innani Mahavidyalaya, Karanja

**Technical Session-II (D) 5:15 pm to 7:30 pm**

**Plenary Talk-I** Prof.A.S. Sajwan HOD Sports & Biomechanics, LNIPE, Gwalior

**Topic:** Teaching Kinesiology and Sports Biomechanics

**Plenary Talk-II** Dr.Anil Karwande Principal, ID College of Phy.Ed., Nagpur

**Topic:**Sports Medicine and Sports physiotherapy

**Chairperson** Dr. A. S. Asnare Director, Sports and Recreation, SGBAU, Amravati

**Topic: Sports and Recreation**

**Oral Presentation by delegates 6:15 pm to 7:30 pm**

**Chairperson** Dr. Devendra Gawande Smt. S. R. College, Wanoja  
**Jury** Dr. D. V. Ruikar Bharatiya Mahavidyalaya, Amravati  
Dr. Sanjay Jagdale, Nabira Mahavidyalaya, Katol  
**Anchors :** Dr. Pradna Yenkar VBMV, Amravati  
Dr. S. K. Thorat S. S. S. K. R. Innani Mahavidyalaya, Karanja

**DAY-2: MARCH 23, 2018**

**Technical Session-III (D) 10:00 am to 12:15 pm**

**Plenary Talk** Dr. V. A. Khodaskar, Nehru Mahavidyalaya, Nerparsopant  
**Chairperson** Dr. Tanuja Raut, Head, Department of Sports, SGBAU, Amravati  
**Topic:** Estimating mental health status and Self-confidence between various category of obesity

**Oral Presentation by delegates 11:00 am to 12:15 pm**

**Chairperson** Dr. Tanuja Raut, Head, Department of Sports, SGBAU, Amravati  
**Topic:** Amravati Khiladi Mahila Karmcharionki Jiwanshaili Ka Himoglobin Ghatak Ke Sath Sahsambandh  
**Jury** Dr. Umesh Rathi Shriram Arts and Science College, Kurha  
Prof. Shubhangi P. Rawale, DCPE, Amravati  
**Rapporteur** Dr. Pradnya Yenkar, Vidya Bharati Mahavidyalaya, Amravati  
**Anchors :** Ms. Komal K. Sampat SSSKRI Mv, Karanja  
Ms. Seema Kothalkar Vidya Bharati Jr. College, Karanja

**Technical Session-IV (D) 12:15 pm to 2:30 pm**

**Plenary Talk** Dr. R. C. Kapil, Ex-HoD, Phy. Ed., SSC, Amravati  
**Chairperson** Prof. Shubhangi P. Rawale, DCPE, Amravati  
**Topic:** Diabetes: Yogic Upchar

**Oral Presentation by delegates 01:15 pm to 02:30 pm**

**Chairperson** Prof. Shubhangi P. Rawale, DCPE, Amravati  
**Topic:** Diabetes: Yogic Upchar  
**Jury** Dr. Chandrashekhar Kadu S. K. College, Akola  
Dr. Meghnath Bhave KNG College, Karanja (Lad)

**Dr. Tanuja Raut**, Head, Department of Sports, SGBAU, Amravati  
**Rapporteur** **Dr. Pradnya Yenkar**, Vidya Bharati Mahavidyalaya, Amravati  
**Anchors :** **Ms. Komal K. Sampat** SSSKRI Mv, Karanja  
**Ms. Seema Kothalkar** Vidya Bharati Jr. College, Karanja

### **Valedictory Function**

On 23<sup>rd</sup> March at 3.00 pm, valedictory function was organized. This was chaired by Hon Dr. Rajesh Jaipurkar, Pro Vice Chancellor of S.G.B Amravati University, Amravati. Hon. Raoseheb Shekhawat, President Vidyabharati Shaikshanik Mandal Amravati, Dr. D.B. Khambare, Dr. R.C. Kapil, Mr. Ratan Bagde, Mr. Prakashji Golechha, Dr. Ajay Kant, Smt Urmilatai Thakur, Mr. Ashokbhai Innani, Mr. Shekhar Bang, Dr. P. R. Rajput, Principal S. S. S. K. R. Innani Mahavidyalaya Karanja, Dr. F.C. Raghuvanshi Principal, Vidya Bharati Mahavidyalaya Amravati, Dr. Ajay Charjan Principal, R.G. Rathod Science College, Murtizapur, Dr. S.D. Katore Head, PGTD, SGBAU Amravati and Mr. Manohar Raut graced the occasion. Dr. P. R. Rajput, Principal delivered introductory speech and gave review of international conference. Organizing secretaries Dr. J.P. Baxi, Dr. D.T. Dongare and Dr. D.R. Halwe were felicitated for successfully organizing conference by presenting memento. Dr. D.B. Khambare has delivered talk and motivate to researchers. Hon. Mr. Raoseheb Shekhawat President, VBSM Amravati has emphasized importance of science and technology and need of organize international and national conferences. Dr. Rajesh Jaipurkar has expressed his view and emphasized the need of research for upliftment of society. Dr. Jayant Baxi gave vote of thanks. The program was concluded by National anthem.

  
**HEAD**  
Department of Mathematics  
Sant Gadge Baba Amravati University  
Amravati

**A REPORT**

**of**

**National Workshop on  
Recent Research Trends in Mathematics**

**(05-06 December, 2019)**

**Organized by**

**Department of Mathematics,  
Government Vidarbha Institute of Science and Humanities,  
Amravati(M.S.) INDIA**

**(NAAC Re-accredited "A" Grade with 3.32 CGPA)**

**In Collaboration with**

**Department of Mathematics, IQAC & Mathematics Teachers Association,  
Sant Gadge Baba Amravati University, Amravati**

## **Report of the Workshop**

### **NWRRTM-2019**

The process of this Workshop was started way back with sanction of financial assistance to this workshop by Dr. S. D. Katore, Head Department of Mathematics, SGBAU Amravati. Thereafter Director of this Institution Dr. Helavi Reddy sir permitted us to organize this workshop.

The Workshop started with the Inauguration on 05 December in gracious presence of Dr. S. P. Yawale, Director, GVISH Amravati, Chief Guest Dr. T. M. Karade, Ex- Vice Chancellor, Indian University Raipur, Guest of Honour Dr. T. C. Panda, Dr. J. N. Salunke, Dr. S. D. Katore, Dr. S. P. Kandalkar, Mrs. Alka Gudadhe and participants.

On day one in the first sessions of morning session, Dr. J. N. Salunke, Ex. Director, School of Mathematical Sciences delivered invited talks on "On Recent Research Trends in Number Theory", and Dr. T. M. Karde, delivered a lecture on "On Spherical Symmetry and Quadrature Rule of Order Six". In the second session again Dr. T. M. Karde, extended his speech on same topic. Dr. T. C. Panda, delivered talk on "On Numerical Modeling of Physical Process". Also Dr. A. V. Avachar, delivered his talk on "On Panorama of Gravitation theories"

Second day starts with invited talk of Prof. Dr. Prashant Sinalkar, who delivered talk on "Role of Mathematics in Cyber Security". Then Dr. P. V. Ingole delivered talk on "Recent Computational Tools in Mathematical Research". Third session was concluded with invited talk of Dr. R. L. Naidu whose topic was "Some Basic Aspects for Quality Research"

In fourths session of day two D.R.K. Reddy, delivered his talk "On fundamentals of Research in Relativity and Cosmology".

We deeply express our gratitude to all of these invited speakers who explore the unexplored path in the research and fulfilled academic thrust of our research students and teachers.

There were total 118 participants including invited Mathematicians, I specially mention some of the participants are from the outside state. I hearty thankful for their participation in the workshop, without their huge support this event will never been success.

The workshop is ended with valedictory function. For this function Director of the Institute Dr. S. P. Yawale chaired the session and Dr. K. P. Tupe was the Chief Guest. Participants expressed their views regarding workshop and Dr. S. P. Kandalkar presents the vote of thanks.

We feel that this event will be beneficial to inspire and develop the research attitude among the students and teachers. We are sure that the discussions of the workshop will definitely encourage the mathematics professors to develop and popularize the mathematics subject. Hence, we hope that, the objectives of the workshop are achieved at some extent.



Dr. K.L. Bondar  
Organizing Secretary



**DEPARTMENT OF MATHEMATICS**

**SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI**

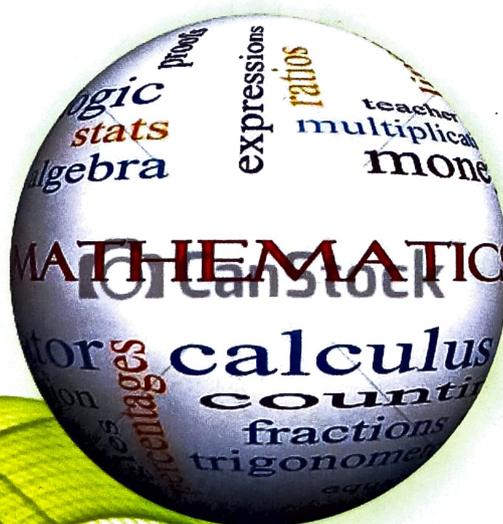
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**NATIONAL CONFERENCE ON**

**RECENT ADVANCES IN MATHEMATICAL SCIENCES**

(NCRAM-2016)

**June 17-18, 2016**



**SOUVENIR**

- Organized by -

**DEPARTMENT OF MATHEMATICS**

Sant Gadge Baba Amravati University, Amravati - 444 602

(Maharashtra State, INDIA)

(NAAC Accredited with 'A' Grade)

## "NATIONAL MATHEMATICS DAY (2015-16) REPORT"

On the eve of "National Mathematics Day (2015-16)", the following academic activities have been organised by **Post Graduate Teaching Department of Mathematics Sant Gadge Baba Amravati University, Amravati** in collaboration with following S.G.B.A.U. Amravati Affiliated Colleges. These events have been catalysed and supported by "National Council for Science and Technology Communication, DST, Govt. Of INDIA" and "Rajiv Gandhi Science and Technology Commission Govt. of Maharashtra.

1) **University Level Seminar Competition** for undergraduate students on " Differential Equation "was organized at **Adrash Science, J.B.Arts & Birla Commerce mahavidhyalaya Dhamangaon Rly. on 05-03-2016.**

On this occasion, chief guest Shri.Sahebraoji Tatte, former MLA & Ex Professor Department of mathematics Adrash Science, J.B.Arts & Birla Commerce mahavidhyalaya Dhamangaon Rly inaugurated the function in the presence of Dr. K.S. Adhav, Professor and Head, P.G.T.D. (Mathematics), Sant Gadge Baba Amravati University, Amravati, Dr. S. D. Katore, Professor, P.G.T.D. (Mathematics), Sant Gadge Baba Amravati University, Amravati, Principal Dr. Y.B.Gandole , and Convener Dr S.N. Bayaskar Adrash Science, J.B.Arts & Birla Commerce mahavidhyalaya Dhamangaon Rly presided over the function.

In this seminar competition, about 56 students and 25 teachers were participated from various colleges from all over the University region and all students of the college presented in the programme.

2) **University Level Research Oriented Workshop for Mathematics Teachers, Researchers and M.Sc. Students** was organised at **Department of Mathematics, Sant Gadge Baba Amravati University, Amravati on 29<sup>th</sup> march 2016**

On this occasion, chief guest Dr. T.M. Karade, Ex. Professor and Head, P.G.T.D. (Mathematics), R.T.M. Nagpur University, Ex-Vice Chancellor, Indian University, Raipur inaugurated the function. In the presence of Dr. K.S. Adhav, Professor and Head, P.G.T.D. (Mathematics), Sant Gadge Baba Amravati University, Amravati, Chairman, Amravati University Mathematics Teachers Association, Dr. S. D. Katore, Professor, P.G.T.D. (Mathematics), Sant Gadge Baba Amravati University, Amravati, Chairman, Board of Studies, Mathematics, and Convener N.M.D-2016 was prominently present.

This programme was carried out in one days including discussion and guidance on research work, mainly covering the topics such as How to write synopsis, How to write research paper, How to write Ph.D. Thesis, Major/ Minor research project and other related topic. In this academic event 150 participant were present from all over Sant Gadge Baba Amravati University region.out of them 70 participant were teachers, 20 participant were research student and 50 were department student

In this workshop Dr. Gudhade , Dr.J.N.Salunke , Dr.Ghate , Dr.Mete , Dr. G.R. Avachar , Dr. S.D.Tade , Dr. V.R .Chirde worked as resource person.

  
**HEAD**  
**Department of Mathematics**  
**Sant Gadge Baba Amravati University**  
**Amravati**

# **DEPARTMENT OF MATHEMATICS**

## **REPORT OF UNIVERSITY LEVEL STUDENTS' SEMINAR COMPETITION ON 'ALGEBRA' 27<sup>th</sup> Feb 2017**

Department of mathematics in J.D Patil Sangludkar Mahavidyalaya, Daryapur organized University Level Intercollegiate Students' Seminar Competition on 'Algebra' on 27<sup>th</sup> Feb 2017 in collaboration with department of mathematics in Sant Gadge Baba Amravati University Amravati and SGB Amravati University Mathematics Teachers Association, Amravati. The main motto behind holding this competition was to make available a platform for the mathematics students to share their knowledge and information regarding mathematics and also to remove their problem if any.

The objective of the seminar competition is to provide a platform for the students to promote and express their ideas regarding the different aspects of 'Algebra' also to create interest in mathematics and exchange of academic thought among themselves. In this competition near about 70 students from different colleges of Sant Gadge Baba Amravati University Amravati participated and presented their seminars on Algebra very effectively. Their best presentation were examined by the mathematics teacher experts. The three best seminars were given away prizes. The first prize was bagged by Miss. Puja Pawar of Vivekanand Science College Hiwara Ashram, while second prize was won to the Vidyabharti Mahavidyalaya, Amravati. The students of Mahatma Fule Mahavidyalaya Warud won third prize of this competition. In this competition the college students also prepared various mathematical posters which were displayed in the department and programme venue.

Near about 25 mathematics teachers from different colleges attended this competition to boost the confidence of the students. At the outset Dr. R.S. Jaipurkar Director Board of College and University Development SGB Amravati University, Amravati inaugurated this competition. On this occasion Prof. Dr. S.D.Katore, Ex.Director Board of studies of SGB Amravati University Amravati and Head, Department of Mathematics SGB Amravati University Amravati chaired this event. Dr. V. G .Mete Head and Asso.Prof. PG Department of mathematics RDIK and KD College Badnera also chaired the session.

The concluding function of this competition was held under the chairmanship of Dr. Dinkarrao Gaigole, LMC member of our college. In this function the students were given away the prizes. This event was organized under the guidance of our principal Dr. R.M. Bhise.



(Dr. V.D.Elkar)

Convener & Head

Department of Mathematics



(Dr. R.M. Bhise)

Principal

J.D.P.S.Mahavidyalaya, Daryapur

## Report of seminar competition

To,  
Dr.S.D.Katore,  
Head of the Department of Mathematics,  
Sant Gadge Baba Amravati University, Amravati.

10<sup>th</sup> March 2018 witnessed university level seminar competition on the topic "Analysis" held in Shri Shivaji college of Arts Commerce and Science , Akola. It was organized by the Department Of Mathematics & IQAC Shri Shivaji College Of Arts, Commerce And Science , Akola In Collaboration With Sant Gadge Baba Amravati University, Amravati And SGBAU Mathematics Teachers Association, Amravati.

The participants and guests started to join the venue early in the morning, they were greeted well with breakfast. After the breakfast the inaugural function commenced which was presided by the chairman " Dr.S.D.Khadatkar ", The chief guest "Dr.J.N.Salunke", honorable guest Dr.S.D.Katore, Dr. V. B. Raut, Dr. V. G. Mete, Dr.V.R.Patil, Ashish Raut sir. The inaugural speech was delivered by Dr.A.M.Metkar sir followed by speeches from the dignitaries like Dr.J.N.Salunke, Dr. V.G.Mete and Dr. S.D.Katore sir, the vote of thanks was given by Miss Shilpa Thakre .After the end of the inaugural function the students were divided accordingly and sent to their various rooms for the seminar competition.

The seminar session began at around from 12 noon to 2:30 pm followed by lunch , during these sessions students were shortlisted and sent to the next round of questions and answers. Three winners were choose according to their performance in these rounds. First place was secured by "Sayed Danish Sayed Iqbal " of G.V.I.S.H. college, Amravati. The second place was secured by "Mr.Sayed Aheraz Sayed Parvez of Shri Shivaji college , Akola ", where as third place was taken up by " Miss. Sonal Mundada of department of Mathematics from SGBA University, Amravati".

The valedictory function was well conducted by the students of M.Sc and all the student received guidance through speeches from Prof.Rahul Mapari followed by prize destruction to the rank holders, the vote of thanks was exclaimed by the student of M.Sc-II the program came to an end at around 6 pm after which all the students and guests took off to their respective places. The seminar competition turned out to be a success for everyone.

  
**HEAD**  
**Department of Mathematics**  
**Shri Shivaji College of Arts,**  
**Commerce & Science, Akola**

<p><b>SGBAUMTA , Amravati</b> Date: 03 -09-2017</p>	<p align="center"><b>SANT GADGE BABA AMRAVATI UNIVERSITY MATHEMATICS TEACHER'S ASSOCIATION , AMRAVATI</b></p>
<p><b>President:</b> Professor S. D. Katore ss</p> <p><b>Vice-President:</b> Dr. V. B. Raut Dr. A. S. Nimkar</p> <p><b>Secretary:</b> Dr. S. N. Bayaskar</p> <p><b>Treasurer:</b> Dr. V. G. Mete</p> <p><b>Members:</b> Dr. H. R. Ghate Dr. V. R. Chirde Dr. .R. S. Rane Dr. K. M. Patil Dr. .Y. D. Patil Dr. V. D. Sharma</p>	<p>To, The Hon'ble Principals of all Affiliated Colleges, SGBAU, AMRAVATI <b>Subject:</b> University Level Students' Seminar Competition on "Advanced Calculus" for B.Sc. Students. Respected Sir,</p> <p>It gives us an immense pleasure in informing that the University Level Students' Seminar Competition for B.Sc. Students will be organized on <b>Saturday, 23 September, 2017 [10.00 hrs---17.00hrs]</b> at <b>Department of Mathematics, Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science Mahavidyalaya, Warud</b> in collaboration with <b>Department of Mathematics, IQAC Sant Gadge Baba Amravati University, Amravati and SGBAU Mathematics Teachers' Association .</b></p> <p>Kindly Depute one Teacher Mathematics and two B.Sc. Students of your institution without fail. Certificates will be issued to all participating Students. T.A./ D.A. will not be paid. Delicious Breakfast/ Lunch has been organized. Soliciting your positive and active response. Thanks, Sincerely yours ,</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="422 1276 710 1657">         Dr. S. D. Katore        Professor and Head,        Dept. of Mathematics        SGBAU Amravati,        President        SGBAU Mathematics        Teachers' Association     </div> <div data-bbox="829 1265 1412 1579">         Dr. D. V. Atkare        Principal        Mahatma Fule Arts, Commerce and        Sitaramji Chaudhari Science Mahavidyalaya,        Warud     </div> </div> <p>Contact: Prof . V. S. Bawane ( HOD) Mob: 9423425657</p> <p align="right">Dr R S Wadbudhe Mob: 9423054440</p>

## संत गाडगे बाबा अमरावती विद्यापीठस्तरीय गणित सेमिनार स्पर्धेचे आयोजन .

विठयापीठांतर्गत सलप्रीत महात्मा फुले कला ,वाणिज्य व विज्ञान महाविद्यालय वरुड येथे विद्यापीठ स्तरीय विज्ञान स्नातक विद्यार्थ्यांकरिता सेमिनार स्पर्धेचे आयोजन दि. २३ सप्टेंबर २०१७ रोजी करण्यात आले होते . या स्पर्धेचे आयोजन गणित विभाग व गणित संघटना, संत गाडगे बाबा अमरावती विद्यापीठ यांचे संयुक्त विद्यमाने करण्यात आली होती. सादर सेमिनार गणितामधील मुख्य व आंतरविषयांकरिता उपयुक्त "एडव्हान्स कॅल्क्युलस" या विषयावर घेण्यात आली होती.

या स्पर्धेचे अध्यक्षस्थान डॉ. देवानंद अतकरे, प्राचार्य महात्मा फुले कला ,वाणिज्य व विज्ञान महाविद्यालयाला वरुड यांनी भूषविले. उदघाटक म्हणून डॉ. व्ही. एस. धोटे (माजी विज्ञान अधिष्ठाता) व प्रमुख अतिथी म्हणून डॉ. एस .डी. कतोरे तसेच सदर महाविद्यालयाचे प्राध्यापक प्रा. व्ही. एस.बावणे ही तज्ञ मंडळी व्यासपीठावर उपस्थित होती . यावेळी विद्यार्थ्यांना उपस्थित तज्ञ मंडळींनी "एडव्हान्सड कॅल्क्युलस" या विषयाचे महत्त्व विशद केले. या विषयाची इतर विषयांमध्ये असलेली उपयोगिता यावर डॉ. एस .डी. कतोरे ,डॉ. व्ही. जी. मेटे ,डॉ. व्ही. बी. राऊत ,प्रा.वर्हेकर यांनी विद्यार्थ्यांना मार्गदर्शन केले.

यावेळी महाविद्यालयातील विद्यार्थ्यांना उपस्थित मान्यवरांनी या विषयाचा अविष्कार १७ व्या शतकामध्ये सर इजॅक न्यूटन आणि लेबनीट्झ यांनी केला हि माहिती देऊन या विषयाची विविध विषयांमध्ये उपयोगिता जसे कि तंत्रज्ञान, अर्थशास्त्र ,संगणक शास्त्र,पदार्थ विज्ञान ,औषधी शास्त्र ,सांख्यिकी शास्त्र यांची माहिती दिली. मॅक्सवेलचा विद्युत चुंबकीय सिद्धांत आणि आइनस्टाइन चा सापेक्षतावादाचा सिद्धांत या विषयांकरिता "एडव्हान्सड कॅल्क्युलस" हा विषय महत्वाचा आहे हे विशद केले.

या स्पर्धेच्या समारोपीय कार्यक्रमात व्यासपीठावर स्पर्धेचे अध्यक्ष प्राचार्य डॉ. देवानंद अतकरे, तसेच इतर मान्यवर डॉ. एस .डी. कतोरे ( विभाग प्रमुख, गणित विभाग संत गाडगे बाबा अमरावती विठयापीठ, अमरावती), डॉ. व्ही. बी. राऊत (प्रभारी प्राचार्य,मुंगसाजी महाराज महाविद्यालय दारव्हा) , डॉ. व्ही. जी. मेटे ( गणित विभाग प्रमुख, आर. डी. आय. के. आणि के. डी. सायन्स कॉलेज ,बडनेरा), डॉ. आर. एस . वाडबुधे, आयोजन समिती सचिव हे उपस्थित होते. त्यावेळी संस्थेच्या प्रभारी प्राचार्यांनी स्पर्धक विद्यार्थ्यांचे अभिनंदन केले.

या स्पर्धेमध्ये प्रथम क्रमांक महात्मा ज्योतिभा फुले कला ,वाणिज्य व सीतारामजी चौधरी विज्ञान महाविद्यालयाच्या कु. पूनम टाकारखेडे हीने पटकावला . द्वितीय क्रमांक विद्याभारती महाविद्यालय, अमरावतीच्या शेख मोसीन ह्याने मिळविला. तृतीय , चतुर्थ व पाचवा क्रमांक अनुक्रमे कु. आश्रा सय्यद मुंगसाजी महाराज महाविद्यालय दारव्हा, श्री शिवाजी विज्ञान महाविद्यालय अकोला येथील अजय बंड व सुमित पाटेकर आर. डी. आय. के. आणि के. डी. सायन्स कॉलेज , बडनेरा यांनी पटकावला. बक्षीस वितरण कार्यक्रमात विजेत्या विद्यार्थ्यांना पुरस्कृत करून गौरव व मार्गदर्शन करण्यात आले. या प्रसंगी मा. प्रा. अतकरे यांनी शैक्षणिक योगदानासाठी तसेच विद्यार्थी केंद्रित प्रशासन याकरिता संत गाडगे बाबा अमरावती विठयापीठाच्या गणित शिक्षक संघटनेतर्फे त्यांना सत्कार करून गौरविण्यात आले. तसेच पुढील सामाजिक व शैक्षणिक कार्याकरिता शुभेच्छा दिल्या.



**HEAD**  
Department of Mathematics  
Sant Gadge Baba Amravati University  
Amravati

**A REPORT ON**  
**STATE LEVEL QUIZ COMPETITION IN MATHEMATICS**  
**FOR UNDEGRADUATE STUDENTS**

**‘If you have knowledge, let others light their candles in it.’**

An exciting State Level Quiz Competition In Mathematics For Undergraduate Students was organized on 21<sup>st</sup> January 2018 during the “**State Level Workshop on Preparation, Strategies and Guidelines**” (SLWPSG-2018) for P.G. Entrance Examinations in Mathematics on 20-22 January 2018 by the Department of Mathematics, Brijlal Biyani Science College, Amravati in collaboration with IQAC and Department of Mathematics, Sant Gadge Baba Amravati University and SGBAU Mathematics Teachers’ Association, Amravati.

The event was held in the college auditorium and was graced with the presence of Dr. N. G. Belsare, Principal, Brijlal Biyani Science College, Amravati who welcomed the participants and conveyed his best wishes for the competition. Dr. S.D.Katore, Prof. and Head, Department of Mathematics, Sant Gadge Baba Amravati University, Amravati presented the importance of fun while learning Mathematics and appreciated such events. Dr.P.R Agrawal, Convenor of the workshop, Mr. H.G.Paralikar, Organizing Secretary of the workshop, Mr. S.B. Kadam, Mr.S.D.Here, Mr. Ather Husain were actively present during the Quiz competition.

The quiz was divided into four rounds:

Buzzer Round, Rapid Fire, Tortoise Round. Every round was a mixed bag with questions from Algebra, Analysis, Calculus, etc. All the students were at the edge of their seats to know the answers and the participants were very active.

As a result of this quiz competition 3 groups who scored maximum played musical chair, which was very exciting as all those who successfully grabbed the chair has to answer a question to keep the chair safe. The questions put forth to the participants were intriguing, exciting and made the audience applaud excitedly when the participant answered correctly.

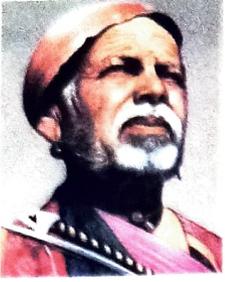
This quiz truly was a learning experience, for both the audience and the participants. Ku. Kiran Gulhane, Shri Shivaji Science College, Amravati bagged the first position, Mr. Dhiraj Puri, DSM College, Parbhani was placed at the second position and Ms. Bhakti Rathod, Brijlal Biyani Science College, Amravati was at the third position.

The Honorable judges for the quiz competition were Dr. D.S. Dhaigude, Head, Department of Mathematics, GVISH, Amravati and Mr. D.P.Tadas, Head, Department of Mathematics, Toshniwal ACS College, Sengaon.

The quiz was designed, organized and conducted by Mr. M.C.Dhabe, Mr.S.S.Wankhede, Mr. N.A.Niwalkar, Mr. Ashish Kange, Mr. Shyam Sarkate, Mr. Gaurav Gawhale.



**HEAD**  
Department of Mathematics  
Sant Gadge Baba Amravati University  
Amravati



Late Chindhuji Laxmanrao Purke Shikshan Prasarak  
Mandal, Darda Nagar, Yavatmal.

**Indira Gandhi Kala  
Mahavidyalaya, Ralegaon.  
Dist. Yavatmal.**

NAAC Accredited "B" Grade (CGPA 2.03)



## **UNIVERSITY LEVEL U.G. STUDENTS SEMINAR COMPETITION**

On

**"Algebra"**

01 February, 2020

Organized by

**DEPARTMENT OF MATHEMATICS & IQAC,**

**INDIRA GANDHI KALA MAHAVIDYALAYA, RALEGAON. DIST. YAVATMAL**

in collaboration with

**P.G. DEPARTMENT OF MATHEMATICS, IQAC, SANT GADGE BABA  
AMRAYATI UNIVERSITY, AMRAYATI**

and

**S.G.B.A.U. MATHEMATICS TEACHERS ASSOCIATION, AMRAYATI**

# UNIVERSITY LEVEL U.G. STUDENTS SEMINAR COMPETITION

On

“Algebra”

Programme Schedule

Inaugural Function

Saturday, 01 February, 2020 at 10.00 am

1. Anchoring :- Ms. Nazmin Sayyed , Ms. Pragati Wani.
- Welcome of guests near the stage by flower petals ,kum-kum,tilak and badges.
2. Entry of guests on the dais
  - i) Chairperson&Inaugurator :- Prof. Vasantaoji C. Purke
  - ii) Chief guests :- Dr.S.D.Katore  
:-MrsPremlatatai V. Purke  
:-
  - iii) Guests of Honors :- Dr. S.D.Dawada  
:-Prof.V.D.Samarth  
:- Dr.A.Y.Shaikh
  - iv) Convener :- Dr.A.Y.Shaikh
3. All guests are requested to enlightenthe lamp and garlanding the photos of Maa Saraswati ,Einstein. All guests are requested to occupy their seats on the dais.
4. University Song.
5. Swagat Geet by Prof. Prashant Gugilwar and group.
6. Floral Welcome of Guests
  - Chairperson & Inaugurator :- Prof. Vasantaoji C. Purke
  - Chief guests :-Dr.S.D.Katore  
:-  
:-Mrs Premlatatai V. Purke
  - Guests of Honors :- Dr. S.D.Dawada  
:-Prof.V.D.Samarth
  - Convener :-Dr.A.Y.Shaikh
7. Introductory Speech :-Dr.A.Y.Shaikh..... ( 2 Mins)
8. Speech of Guests of Honors :- Prof. V.D.Samarth.....(2Mins)  
:-Dr.S.D.Dawada..... ( 5 Mins)
9. Speech of Chief Guest :- Dr.S.D.Katore.....(10Mins)
10. Felicitations of Inaugurator & Chief Guests.
11. Announcement of Inauguration& Presidential Speech :-Prof. Vasantaoji C. Purke....( 10Mins)
12. Vote of Thanks :- Prof.S.V.Gore.....( 2 Mins)

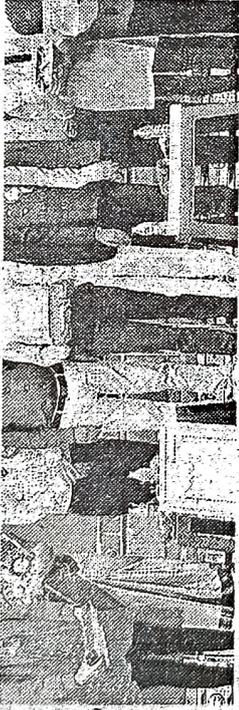
Head  
Department of Mathematics  
Indira Gandhi Kala Mahavidyalaya  
Ralegaon

# विद्यापीठ स्तरीय गणित सेमिनार स्पर्धा

राळेगांव ■ तालुका प्रतिनिधी

विद्यापीठाअंतर्गत संलग्नीत इंदिरा गांधी कला व विज्ञान महाविद्यालय, राळेगांव येथे विद्यापीठस्तरीय, विज्ञान स्थापक विद्यार्थ्यांकरिता सेमिनार स्पर्धेचे आयोजन ०१ फेब्रुवारी २०२० रोजी करण्यात आले होते. या स्पर्धेचे आयोजन महाविद्यालयीन गणित विभाग, IQAC व अमरावती विद्यापीठाच्या गणित संघटना, IQAC आणि गणित विभागांच्या संयुक्त विद्यमाने करण्यात आले. सदर सेमिनार गणितामधील मुख्य व अंतर विषयांकरिता उपयुक्त 'अल्जेब्रा' विषयावर घेण्यात आला होता.

या स्पर्धेचे अध्यक्ष व उद्घाटक



प्राध्यापक वसंत पुरके, सोबतच सौ. प्रेमलता पुरके व्यासपीठावर उपस्थित होत्या. सोबतच प्रमुख अतिथी म्हणून डॉ. एस.डी. कतारे, प्रभारी प्राचार्य डॉ. एस. दावडा, डॉ. वि.जी.मेटे, डॉ. वि. वि. राजत, डॉ. एस. एन. बायस्कर, डॉ. वि.आर. चिरडे व तज्ञ मंडळी उपस्थित होती. यावेळी विद्यार्थ्यांना उपस्थित तज्ञ मंडळींनी अल्जेब्रा या विषयाचे महत्त्व विषद केले. या विषयाची इतर विषयांमध्ये असलेली उपयोगिता

यावर डॉ. एस.डी. कतारे व डॉ. वि. वि. राजत यांनी विद्यार्थ्यांना मार्गदर्शन केले. या स्पर्धेमध्ये प्रथम क्रमांक गोपिकाबाई सीताराम गावडे महाविद्यालय उमरखेड या महाविद्यालयाच्या कु. आरती तावडे हिने पटकावला. दुसरा क्रमांक आर.डी.आय. के. आणि के.डी.सायन्स कॉलेज बडनेरा महाविद्यालयाच्या कु. रुचिका खडसे हिने पटकावला. तृतीय व

पाचवा क्रमांक अनुक्रमे सूरज हासाळ सारडा कॉलेज अंजनगाव सुर्जी, कु. वैष्णवी किडे इत्राणी महाविद्यालय कारंजा लाड व कु. वैष्णवी सोसे टोपे कॉलेज चांदूरबाजार यांनी पटकावले. बक्षीस वितरण कार्यक्रमाला विजेत्या विद्यार्थ्यांचा गौरव करण्यात आला. याप्रसंगी शैक्षणिक योगदानसाठी संत गाडगे बाबा अमरावती विद्यापीठाच्या गणित शिक्षक संघटनेचे तर्फे प्रा. वसंतराव पुरके व प्रेमलता यांचा सत्कार सन्मानपत्र देऊन करण्यात आला. कार्यक्रमाचे संचालन कु. नाझमिन सय्यद व प्रगती वाणी बी.एस्सी थर्ड इअर पीसीएम ग्रुप यांनी सांभाळले. आभार प्रदर्शन प्रा. स्वप्नील गोरे यांनी मानले. प्रास्ताविक प्रा. डॉ. अल्फ्रेड शेख यांनी केले.

Head

Department of Mathematics  
Indira Gandhi Kala Mahavidyalaya  
Ralegaon

## DEPARTMENT OF MATHEMATICS

### SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

#### Report on various academic activities in last five year (2015-2020)

#### **University level Mathematical Chart/ Model Competition (Dec 21, 2019) and University level Workshop on NET, SET Guidance (Dec 22, 2019)**

The Indian government declared 22 December to be National Mathematics Day. This was announced by Prime Minister Manmohan Singh on 26 February 2012 at Madras University, during the inaugural ceremony of the celebrations to mark the 125th anniversary of the birth of the Indian mathematical genius Srinivasa Ramanujan (22 Dec 1887- 26 Apr 1920). On this occasion Singh also announced that 2012 would be celebrated as the National Mathematics Year. Since then, India's National Mathematics Day (NMD) is celebrated every 22 December with numerous educational events held at universities throughout the country. This day is celebrated to commemorate the birth anniversary of the legendary mathematician, Shri Srinivasa Ramanujan and his exemplary contribution to Mathematics. To mark this day, Department of Mathematics, Sant Gadge Baba Amravati University, Amravati every year, since from 2016, collaboratively organize various activities under NMD and celebrate the National Mathematics Day.

On 21 December 2019, Department of Mathematics, IQAC and Mathematics Teacher's Association, Sant Gadge Baba Amravati University, Amravati in collaboration with Department of Mathematics, RDIK & KD Science College, Badnera and Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.) has organized University level Mathematical Chart/ Model and Rangoli Competition for students in Mathematics under NMD. This event is inaugurated by Dr. Rajesh Jaypurkar, BCUD, Director, Sant Gadge Baba Amravati University, Amravati and in presence of Convenor, Dr. S. D Katore, Prof & Head, Department of Mathematics, SGBAU, Amravati, Dr. V. G Mete, Associate Professor & Head, Department of Mathematics, RDIK & KD Science College, Badnera and Dr. S. N Bayaskar, Head, Department of Mathematics, Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.). 96 students from all affiliated institutes/colleges of the university enthusiastically participated in these competitions. Dr. V. R Chirde, Professor & Head, Department of Mathematics, GSG Science College, Umardhed, Dr. M. S Desale, Department of Mathematics, SGBAU, Amravati act as a experts/ judge to this competition.

On 22 December 2019, Department of Mathematics, IQAC and Mathematics Teacher's Association, Sant Gadge Baba Amravati University, Amravati in collaboration with Department of Mathematics, RDIK & KD Science College, Badnera and Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.) has organized University level workshop on NET/SET Guidance for P.G Students in Mathematics. 196 students from university region participated in this workshop. The program was inaugurated by Dr. F.C Raghuwanshi, Dean, Faculty of Science & Technology, SGBAU, Amravati in gracious presence of Honorable Dr. Rajesh Jaypurkar, BCUD, Director, SGBAU, Amravati, Co-ordinator & Convenor Dr. S. D Katore, Professor & Head, Department of Mathematics, SGBAU, Amravati Dr. Y. B Gandole, Principal, Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.) and Dr. R. D Deshmukh, Principal, RDIK & KD Science College, Badnera. The event marks the beginning with the inauguration of student's mathematical society and felicitation of the NET/SET qualified and merit students of M. Sc by Dr. F. C Raghuwanshi. During this workshop various eminent speakers shared their views and teachers from university region has enlighten students with their knowledge and guidance.

## **University level Mathematical Chart/ Model Competition (Dec 21, 2018) and University level Workshop on NET, SET Guidance (Dec 22, 2018)**

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On 22 December 2018, Department of Mathematics, IQAC and Mathematics Teacher's Association, Sant Gadge Baba Amravati University, Amravati in collaboration with Department of Mathematics, RDIK & KD Science College, Badnera and Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.) has organized University

level workshop on NET/SET Guidance for P.G Students in Mathematics. 207 students from university region participated in this workshop. The program was inaugurated by Dr. Sangita Yewale, Principal, Sydeham College of Commerce & Economics, Mumbai, in gracious presence of Honorable Dr. Ajay Deshmukh, Pro-VC, SGBAU, Amravati, Dr. J. N Chaudhari, School of Mathematical Science, M. J College, Jalgaon, Co-ordinator & Convenor Dr. S. D Katore, Professor & Head, Department of Mathematics, SGBAU, Amravati Dr. Y. B Gandole, Principal, Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.) and Dr. R. D Deshmukh, Principal, RDIK & KD Science College, Badnera. The event marks the beginning with the felicitation of the NET/SET qualified by Dr. Sangita Yewale. During this workshop various eminent speakers shared their views and teachers from university region has enlighten students with their knowledge and guidance.

## **University level Workshop on Advance Abstract Algebra and Popular Mathematics Slide Show Competition (Mar 16-17, 2019)**

On 16-17 March 2019, Department of Mathematics, IQAC, Mathematics Teacher's Association, SGBAU, Amravati has organized two-day University level Workshop on Advance Abstract Algebra and Popular Mathematics Slide Show Competition sponsored and catalyzed by Sant Gadge Baba Amravati University, Amravati; National Council of Science & Technology Communication (NCSTC), DST, Govt. of India and Rajiv Gandhi Science & Technology Commission (RGSTC), Govt. of Maharashtra.

The workshop was inaugurated by Chief Guest of the program Dr. T. M Karade, Ex-Vice –Chancellor, Indiana University, Raipur. Guest of Honor for this workshop was Dr. G.K Goswami, Professor & Head, Department of Mathematics, Kalyan PG College, Bhilai; Dr. J. N Chaudhari, Head of Department of Mathematics, M. J College, Jalgaon; Dr. S. R Chaudhari, Head of Department of Mathematics, North Maharashtra University, Jalgaon and Chair-person Dr. S. D Katore, Prof & Head Department of Mathematics, SGBAU, Amravati.

The workshop marks its beginning on first day with some inspiring and knowledgeable talks on Advanced Algebra from eminent speakers like Dr. G.K Goswami, Professor & Head, Department of Mathematics, Kalyan PG College, Bhilai; Professor Dr. B.K Sinha, Indian Statistical Institute, Kolkata; Dr. Nitin Darkunde, Assistant Professor, School of Mathematical Science, SRTM University, Nanded, Dr. S.R Chaudhari, Professor & Head, Department of Mathematics, School of Mathematical Sciences, North Maharashtra University, Jalgaon; Dr. V.C Borkar, Head of Department of Mathematics & Statistics, Yashwant Mahavidhyalaya, Nanded; Dr. R.S Wadbudhe, Department of Mathematics, Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science Mahavidyalaya, Warud and on second day slide show competition of the P.G students on Advanced Algebra. 96 students from all the affiliated colleges of the university participated in this two- day workshop. The workshop ended with valedictory function.

## **State level Workshop on soft skill training in Mathematical sciences (Mar 15-16, 2019)**

On 15-16 March 2019, Department of Mathematics, IQAC, Mathematics Teacher's Association, SGBAU, Amravati in collaboration with Department of Computer Science & Engineering, SGBAU, Amravati has organized two-day State level workshop on Soft skill training in Mathematical sciences under Best practices in University: Massive training to teaching and non-teaching staff which is sponsored and catalyzed by Sant Gadge Baba Amravati University, Amravati; National Council of Science & Technology Communication (NCSTC), DST, Govt. of India and Rajiv Gandhi Science & Technology Commission (RGSTC), Govt. of Maharashtra.

The workshop marks the beginning with the inauguration ceremony in presences of Dr. V. C Borkar, Head of Department of Mathematics & Statistics, Yashwant Mahavidhyalaya, Nanded, Dr. P.V Ingole, Professor, Dept of Electronics and Telecomm. Engg, Prof Ram Meghe Institute of Technology, Badnera, Dr. D.S Dhotre, Head of Computer Science Department, Shri Sant Gajanan Maharaj Engineering College, Shegaon, Coordinator & Convenor, Dr. S. D Katore, Dr. V. M Thakare, , Dr. Swati Sherekar, Industry Expert, Mr. Swapnil Budhawarkar, Dr. Deepak Garud, Maple Software Company. 67 teachers, researchers participated in this training workshop.

On first Day, talks from various eminent and skilled professional were arranged. Speakers and experts like Dr. Dhanraj Dhotre, Head of Computer Science Department, Shri Sant Gajanan Maharaj Engineering College, Shegaon; Dr. G.K Goswami, Professor & Head, Department of Mathematics, Kalyan PG College, Bhilai; Dr. K.L Bondar, Department of Mathematics, Government Vidarbha Institute of Science & Humanities, Amravati; Dr. P.V Ingole, Professor, Dept of Electronics and Telecomm. Engg, Prof Ram Meghe Institute of Technology, Badnera; Dr. S.P Hatkar, Department of Mathematics, Adarsh Education Society's Art, Commerce and Science College, Hingoli; Dr. V.C Borkar, Head of Department of Mathematics & Statistics, Yashwant Mahavidhyalaya, Nanded has delivered their talk and guided. On Second day, talks from industry experts like Mr. Swapnil Budhawarkar, Dr. Deepak Garud from Maple Software Company and hands-on-session were arranged which provide knowledge and skill to use Mathematical software's. The workshop ended with the valedictory function.

## **University level Ramanujan Competition of Mathematical Knowledge for P.G Students (Jan 14, 2018)**

On 14 January 2018, Department of Mathematics, IQAC and Mathematics Teacher's Association, SGBAU, Amravati has organized Ramanujan Competition of Mathematical Knowledge (RCMK) for P.G Students in Mathematics in view of developing mathematical culture in the university region and to enhance the mathematical skill, problem solving skills of the students. The objective of this quiz is to test the student's awareness about Ramanujan and his works. This competition is based on problems inspired by the work started by one of the greatest mathematicians in history Srinivasa Ramanujan and complementary innovative ideas which will help to identify young math lovers who wish to explore the fascinating world of research and innovations related to mathematics. It is designed to identify students who have the potential to be like the great mathematician Srinivasa Ramanujan.

Students from all the affiliated institutes/ colleges of all the five regions under university participated in this mega competition. Total 503 students from all affiliated college of the university enthusiastically participated. Various university departments and P.G colleges of the university region were arranged as a center in order to conduct this competition smoothly.

Competition is Mathematical MCQ based and various expert teachers from university region acted as a Expert/ Judge to this competition. Students who achieved the highest score has been facilitated and awarded with prizes for their mathematical and problem-solving skill.

## **University level Mathematical Chart/ Model Competition (Dec 21, 2017) and University level Workshop on NET, SET Guidance (Dec 22, 2017)**

The Indian government declared 22 December to be National Mathematics Day. This was announced by Prime Minister Manmohan Singh on 26 February 2012 at Madras University, during the inaugural ceremony of the celebrations to mark the 125th anniversary of the birth of the Indian mathematical genius Srinivasa Ramanujan (22 Dec 1887- 26 Apr 1920). On this occasion Singh also announced that 2012 would be celebrated as the National Mathematics Year. Since then, India's National Mathematics Day (NMD) is celebrated every 22 December with numerous educational events held at universities throughout the country. This day is celebrated to commemorate the birth anniversary of the legendary mathematician, Shri Srinivasa Ramanujan and his exemplary contribution to Mathematics. To mark this day, Department of Mathematics, Sant Gadge Baba Amravati University, Amravati every year, since from 2016, collaboratively organize various activities under NMD and celebrate the National Mathematics Day.

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On 22 December 2017, Department of Mathematics, IQAC and Mathematics Teacher's Association, Sant Gadge Baba Amravati University, Amravati in collaboration with Department of Mathematics, RDIK & KD Science College, Badnera and Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.) has organized University level workshop on NET/SET Guidance for P.G Students in Mathematics. 230 students from

university region participated in this workshop. The program was inaugurated by Honorable Dr. Rajesh Jaypurkar, Pro-VC, SGBAU, Amravati in presence of Dr. S.F. R Khadri, Director, IQAC, SGBAU, Amravati, Co-ordinator & Convenor Dr. S. D Katore, Professor & Head, Department of Mathematics, SGBAU, Amravati, Dr. Y. B Gandole, Principal, Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.) and Dr. R. D Deshmukh, Principal, RDIK & KD Science College, Badnera. The event marks the beginning with the felicitation of the NET/SET qualified by Dr. Rajesh Jaypurkar and Dr. S. F. R Khadri. During this workshop various eminent speakers shared their views and teachers from university region has enlighten students with their knowledge and guidance. In presence of Dr. Ajay Deshmukh, Registrar, SGBAU, Amravati, valedictory function marks the ending of the event.

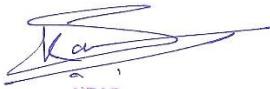
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On 22 December 2016, Department of Mathematics, IQAC and Mathematics Teacher's Association, Sant Gadge Baba Amravati University, Amravati in collaboration with Department of Mathematics, RDIK & KD Science College, Badnera and Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.) has organized University level workshop on NET/SET Guidance for P.G Students in Mathematics. 170 students from university region participated in this workshop. The program was inaugurated by Honorable

Dr. M. G Chandekar, VC, SGBAU, Amravati in presence of Dr. Rajesh Jaypurkar, Pro-VC, SGBAU, Amravati , Co-ordinator & Convenor Dr. S. D Katore, Professor & Head, Department of Mathematics, SGBAU, Amravati, Dr. Y. B Gandole, Principal, Adarsh Science J.B.Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly.) and Dr. R. D Deshmukh, Principal, RDIK & KD Science College, Badnera. The event marks the beginning with the felicitation of the NET/SET qualified by Dr. Rajesh Jaypurkar. During this workshop various eminent speakers shared their views and teachers from university region has enlighten students with their knowledge and guidance.



HEAD  
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Amravati

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# **VidyaBharati Mahavidyalaya, Amravati**

## ***Department of Mathematics***

### **University Level Students' Seminar Competition On "Differential Equation"**

#### **For B.Sc. Students**

#### **Final Report of Event**

Department of Mathematics had organized University Level Students' Seminar Competition on "Differential Equation for B.Sc. Students on Saturday, 10<sup>th</sup> February 2018 in collaboration with Department of Mathematics, IQAC, Sant Gadge Baba Amravati University, Amravati and SGBAU Mathematics Teacher's Association. which is catalysed and supported by "**National Council for Science & Technology Communication, DST, Govt. of India**" and "**Rajiv Gandhi Science and Technology commission, Govt. of Maharashtra**".

Dr. P.P. Khade explain the concept of the seminar in his introductory speech.

The Event is inaugurated by Hon'ble Chief Guest Dr. Rajeshji Jaipurkar Pro-Vice Chancellor, Sant Gadge Baba Amravati University, Amravati. Sir Congratulate to Deptt. of Mathematics VBMV and Deptt. of Mathematics SGBAU, Amravati for giving platform to the students and to create interest in Mathematics by organizing such events.

Other Guest of is Honor is Hon'ble Dr. S. D. Katore Professor and Head, Department of Mathematics, Sant Sant Gadge Baba Amravati University. He gives detailed information about Mathematics and importance of Mathematics and Differential Equation. By giving examples like, Cryptography in generation of ATM PIN Code, Fuzzy logic in Bullet trains, Algebra in symmetry, Poincare Conjecture used in some movies. He said that why mathematics is important and how to use pure mathematics in today's life.

Presidential speech is given by Hon'ble Principal Dr. F. C. Raghunashi. Sir welcome to all students. He express his satisfaction over the participation of the students in this seminar, such events will create interest in Mathematics.

After inauguration, College Level Mathematical Poster/Model/Project exhibition inauguration was made by ribbon cutting by of Hon'ble Dr. Rajeshji Jaipurkar Pro-Vice Chancellor, Sant Gadge Baba Amravati University, Amravati. In the Project exhibition 16 groups presented their mathematical models, Each Group includes 5 students. Topic of Projects is on applications of pure mathematics (Group theory, Number Theory, Graph Theory, Transform theory).

There were 71 participants from the colleges in Amravati University. They presented their topic on Board/PPT. Thirty Teachers from different colleges were participated. After the completion of first round 16 students were finalized for the next round presentation. Three students were selected from second round, one audience choice round is also done by giving choice vote to students selected in second round.

In Valedictory function, Dr. V. B. Raut, Principal, Munsaji Maharaj Mahavidyalaya, Darwha, was Chief Guest. Sir said that the event is motivation to all students. It is not for only getting prize but getting knowledge and skills. Dr. M. R. Ugale, Head, Sipna College of Engineering announced prizes. Urza Afshin, Adarsh Mahavidyalaya, Dhamangaon Rly, got first prize at the hands of Dr. V. B. Raut. Second prize went to Ku. Gunjan Fate, J. D. Patil Sangludkar Mahavidyalaya, Daryapur. Third Prize went to Ku. Namrata Akarte, Mahatma Fule Mahavidyalaya, Warud. Audience choice Prize went to Mr. Ashutosh Kale, S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad) and Consolation Prize went to Ku. Ankita Ingole, Sh. R. G. Rathod Mahavidyalaya, Murtizapur. For this event Dr. V. G. Mete, Prof. V. S. Bawane, Dr. A. S. Nimkar, Dr. S. N. Bayaskar, Dr. M.R. Ugale, Dr. R.S. Wadbudhe, Dr. V. D. Sharma, Dr. A. P. Wasnik, from different colleges were the Judges.

In this Seminar Competition 300 students of B.Sc.I, II, III Mathematics department were participated and work hard for the success of the seminar.

  
Dr. P. P. Khade  
Head  
Department of Mathematics  
Vidya Bharati Mahavidyalaya, Amravati  
Amravati



**REPORT OF THE ASSESSORS' ORIENTATION PROGRAMME ON QUALITY ISSUES FOR  
TEACHERS CONDUCTED BY IQAC**

This is to certify that following is the report of the Assessors Orientation Programme on Quality Issues for teachers conducted by IQAC in collaboration with NAAC, Bangalore for the Year 2019-20.

Name of Orientation	Number of Participants	Date
Assessors Orientation Programme, Organised by NAAC, Bangalore and IQAC, Sant Gadge Baba Amravati University	85	18-Nov-2019

**Report on NAAC Assessors Orientation Programme (AOP) held on**

**18<sup>th</sup> November, 2019**

The National Assessment and Accreditation Council is an organisation that Assess and Accredits higher education institutions in India and is continuously striving for improvement of A & A process. Cognisance is also taken with changing demands of education and to align reforms for transformation of education at global scenarios. The quality assessment depends upon quality assessors. Hence the responsibility and role of assessors is very critical and crucial in A & A mechanism. It aims at equipping and updating the assessors for A & A mechanism in the revised accreditation frameworks. Therefore, NAAC periodically organising orientations for the assessors.

This workshop was part of the above objective in which 51 participants (Vice Chancellors-3, Professors-9, Principals-39) and 6 resource persons from Western Region of India participated that were diverse in subjects representing various western universities. They are also tuned with Revised Accreditation Framework (RAF) system.

At the outset, **Dr. Ganesh Hegde**, Deputy Advisor, NAAC welcomed the dignitaries and welcomed all the participants. He threw light on RAF and significance of AOP. The revised Assessment and Accreditation mechanism is technology and ICT oriented, transparent and objective. The Assessors must have eagles eye both into the Pros and Cons of the Institution. He also provided insight into the functioning of NAAC. This was followed by self introduction by all the participants and resource persons.

It was followed by the talk of **Dr. Devendra Kawday**, Deputy Advisor, NAAC on "Quality Assurance in HE - Assessors & Perspective". He focussed upon the quality Assessment and quality assurance in higher education, with focus on vision and mission statement for every institution. He emphasised that five parameters play very crucial role for any Institution to achieve excellence in higher education. This should be followed by continuous periodic assessment to stimulate Academic Strength, self evaluation, Quality Research and collaboration. He distinguished between Universities, Autonomous and affiliated colleges on the basis of metrics and weightages. He mentioned that the word 'Quality' designates the seven criteria with 34 key indicators as per the RAF guidelines. He discussed about the UNESCO elements in teaching and learning process.



**Dr. V.S. Sapkal**, Former Vice Chancellor, RTM Nagpur University, Prof. & Head, Dept. of Chem-Tech, Sant Gadge Baba Amravati University spoke on 'Strategy of Accreditation : Excellence in HEI'. He stressed upon how to achieve excellence globally? Excellence among the rural students will certainly help in solving problems and move forward for excellence. The potentials should be tapped in right way for quality outcome which leads to excellence in Technology. ICT oriented building blocks of quality education should be strengthened in order to achieve the excellence in higher education. He discussed about the 21<sup>st</sup> Century Education Scenario for quality assurance.

The first half part of the programme ended with talk of **Chairman and Hon'ble Vice Chancellor of Sant Gadge Baba Amravati University Dr. Murlidhar Chandekar** on "Role of Assessors for Assessment and Accreditation of HEIs". He mentioned about the mechanism, challenges and excavation of A & A. The Assessors first should understand and digest the RAF in total and understand the mechanism of implementation process of accreditation. We are fortunate that, NAAC is assessing and accrediting HEIs for the National Development with the changing scenario of education system in the RAF. Assessors play a very significant role in the accreditation and assessment process. The ratio of enrolment and engagement should be significantly improved for getting better grade.

In Session I, **Dr. Ganesh Hegde**, Deputy Advisor, NAAC spoke on "Revised Accreditation Framework (RAF) – An overview", highlighting the changes in RAF with special focus on the seven criteria and DVV, SSC and ICT integration. He has explain the detailed information that should be written in qualitative metrics in about 300-500 words for all the criteria, and how to enter the information in the DVV, SSS, data collection and to upload the documentary evidences. He has explained that each Criteria wise information that should be uploaded on the NAAC website shall provide basic quantitative and qualitative data matrices. The grading system adopted in RAF was displayed and explained in a beautiful manner with suitable example.

In Session II, **Dr. D.K. Kamble**, Assistant Adviser, NAAC spoke on "DVV, SSS, ICT Integration RAF, Online registration of Assessor". DVV has a timeline if not submitted will not be valid. Queries and Classification can be provided through the supporting documents, Compliances to DVV need to be mentioned. SSS should be concurrent submission with SSR. The guidelines should be followed strictly. He projected the critical points in SSR and DVV. This session was continued further by Dr. Ganesh Hegde.

In Session III **Dr. D.K. Kamble**, Assistant Advisor, NAAC spoke on "On-site visit and logistics". He explained on workflow on logistics. He further explained how effectively work is being taken care by NAAC with the help of M/s. Balmer Lawrice Co (A Govt. of India Enterprises). It was continued by Dr. Ganesh Hegde, He also projected the Pros and Cons situations in Air Ticket booking and travel programme. He has guided regarding the management of NAAC portal for the Assessors with hands on experience.

In Session III, **Dr. Ganesh Hegde**, Deputy Advisor, NAAC emphasized "On-site visit and logistics" with practical approach and perspective. He focused on Time management and personal management by the Peer Team, wherein he emphasised that the Peer Team should act as the cheer team and not the fear team.

In Session IV, **Dr. Ganesh Hegde**, Deputy Advisor, NAAC has expressed his views on Do's and Dont's to be considered during report writing. He explained the important methods of report writing and accreditation outcome and introduction of group activity. He emphasised the need of team work by the Peer Team members to achieve the expected outcomes as per the NAAC guidelines. This was followed by discussion among the participants and resource persons followed by group photo.

In Session V, began with "Group Activity". All the participants were distributed in seven groups according to seven criteria of NAAC. Each group consists of one chairperson and various members. Each group was given link from NAAC for the group activity with technical support and uninterrupted wi-fi facility. Each group has prepared their group activity on the criteria allotted to them with the help of resource persons. Group 1 has prepared the report together on criteria I of NAAC and the like.. This was followed by sharing the report of each criteria allotted to various groups which was presented by one member among the each team (Group 1 to Group 7). Then, sharing of each criteria report was presented and discussed among the participants in detailed manner.



**SANT GADGE BABA  
AMRAVATI UNIVERSITY**  
AMRAVATI - 444 602  
(M.S.)

☎ : 2662206, 2662207, 2662208, 2662249, 2662358

Website : [www.sgbau.ac.in](http://www.sgbau.ac.in)

FAX NO. 0721-2662135, 2660949

In Session VI, "Open Forum – Closing Remarks" was organised under the Chairmanship of Dr. Murlidhar Chandekar, Hon'ble Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati along with the other resource persons, where in the queries raised by various participants were answered fully to their satisfaction and Hon'ble Vice Chancellor has guided the participants on various aspects of achieving quality in higher education institutions (HEI).

Overall, the Assessors' Orientation Programme (AOP) was successfully conducted by Dr. Ganesh Hegde, Deputy Advisor, NAAC and Dr. D.K. Kamble, Assistant Advisor, NAAC under the Chairmanship of Hon'ble Vice Chancellor through the IQAC, Sant Gadge Baba Amravati University. All the participants have expressed their fullest satisfaction and highly appreciated the overall organisation of the Assessors' Orientation Programme including Registration, Hospitality, Travel Arrangements, Technical Sessions including facilities provided for the group activity for report writing by each group and accommodation. Various dignitaries of highest repute were felicitated by offering a Memento by the hands of the Hon'ble Vice Chancellor.

Finally, Dr. S.F.R. Khadri, Director, IQAC & Professor and Head, Dept. of Geology, S.G.B. Amravati University offered a vote of thanks to all the participants, dignitaries, resource persons, university authorities, administration and various team members who have helped in making this programme a grand success.

Place : Amravati  
Date :- 26/04/2021

**Dr. S.F.R. Khadri**  
Director, IQAC

Registrar  
**REGISTRAR**  
**Sant Gadge Baba**  
**Amravati University,**  
**Amravati.**