



Manoharbai Shikshan Prasarak Mandal, Armori's
**RASHTRAPITA MAHATMA GANDHI ARTS & SCIENCE
COLLEGE, NAGBHID, DIST. CHANDRAPUR**
Accredited by NAAC 'B' Grade
(Affiliated to Gondwana University, Gadchiroli)

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**Quality Initiatives of IQAC for promoting quality culture
during Academic Year- 2020-2021
webinar series has been organized by the
Department of Zoology to celebrate 'Bird Week'**

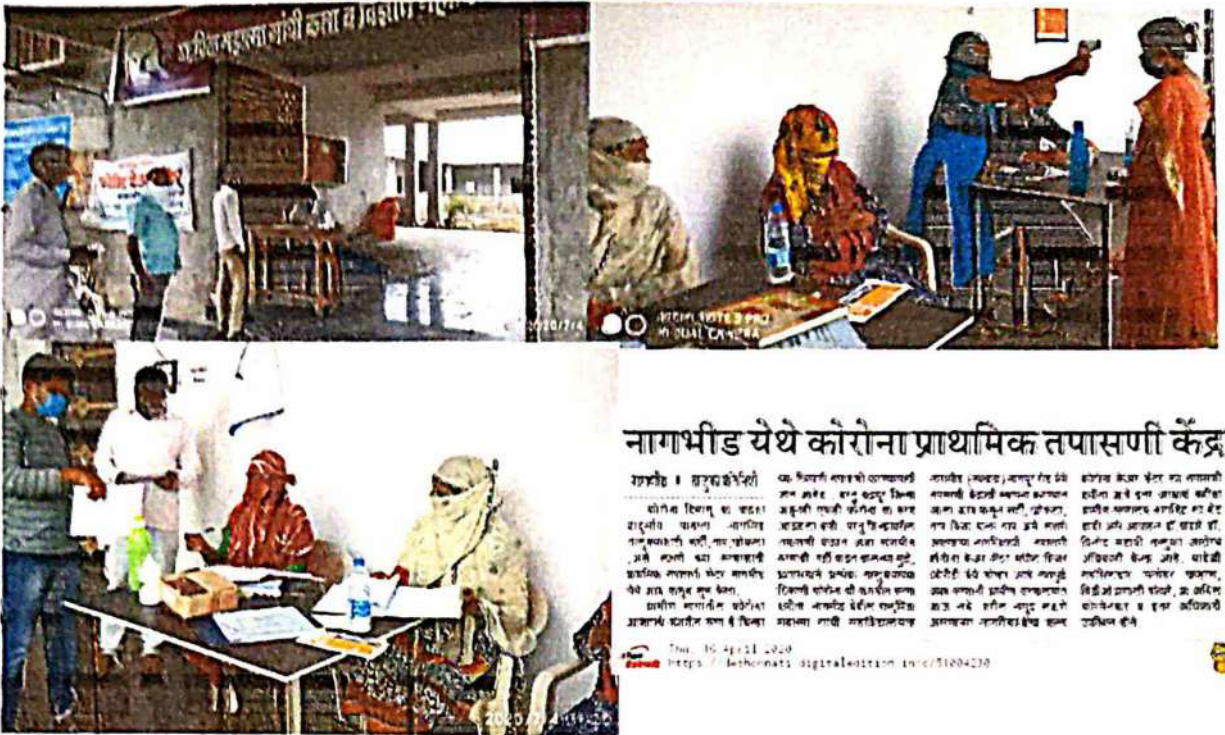
I. Allocation of college building for Covid-19 Centre

Context – Academic session 2020-21, witnesses worst health care situation in the form of Covid-19 pandemic. The WHO declared Covid-19 pandemic, in the month of Feb, 2020, from then started lockdown and closure of education institutions from 21st of March, 2020. All of sudden, whole nation comes to standstill and government agencies providing health care facilities, whether it is municipal corporation or Rural Hospital that came under tremendous work pressure. It was very difficult to provide infrastructural facilities as well as man power. In this time of turbulent situation, request was being made from the Tahsildar, Nagbhid, for allocation of college building for Covid-19 centre and college staff has been requested to assist the government machinery.

Practice – On 7th August, 2020, after providing necessary facilities required for isolation, Covid-19 centre was started. The college building was sanitized prior to start of Covid-19 centre. In this centre, employees of Rural Hospital, Nagbhid, provided testing facilities and the suspected peoples were kept in three rooms, prior to RT-PCR sample collection drive carried out. Institution provided furniture and also provided faculties to monitor and assist health care workers.




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नागभीड येथे काँग्रीना प्राथमिक तपासणी केंद्र

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The 16 April 2020
<https://abhinnati.digitalaction.in/c/31804239>

Sensitization – Initially peoples were having lot of misconception regarding Covid-19, owing to which they do not come forward for RT-PCR testing. They have develop phobia of ‘Isolation’ and ‘Quarantine measures’ to be taken in order to prevent spread of SARS-CoV-2 virus. The faculty of the institution counsel common public to co-operate with the Health care workers and plays decisive role in spreading sense of trust among the masses.

2. Bird week celebration

Context - The Bombay Natural History Society, including its Environmental Information System (ENVIS) Resource Partner on Avian Ecology, in association with Bird Count India (birdcount.in), Maharashtra Pakshimitra Sanghatana and Indian Bird Conservation Network (IBCN), is all set to celebrate the birth anniversaries of Dr Sálim Ali (12 November) and Maruti Chitampalli (5 November) by observing a ‘Bird Week’ starting November 5, 2020. Popularly known as the “Birdman of India”, Sálim Ali (1896–1987) is remembered for his tremendous contribution towards bird research and conservation in India. A former Forest Service officer from Maharashtra, Maruti Chitampalli is well known for his research and ornithological literature in Marathi, which has inspired many birdwatchers.

Practice – The ‘Green Planet Nature Club’ in collaboration with Forest Range office, Nagbhid, jointly organized week long celebration program of ‘Bird Week’ celebration. On dated 9th, Nov. 2020 the Nature Club organized the ‘Nature Trail’ along with students, forest officials, birdwatchers, and few members of NGO ‘ZEP’ working in the field of wildlife conservation. In this trail, ornithologist, Dr.G.D.Deshmukh, Mr. Vivek Pawar and Mr. Rajendra Bhaje given valuable information regarding bird identification and winter migratory birds. In this trail total 35 species of wetland, grassland and forest birds were observed, among which, winter migratory birds like, Bramhany Ruddy Shelduck, Yellow Wagtail, White wagtail were observed. On 10th Nov. ‘Nature Trail’ at Pandav Talav were organized in which 27 species were observed. On 11th of Nov. Nature trail to ‘Bikli Lake’ was organized in which 36 species were observed.



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पृष्ठ - नवमी

पक्षी सप्ताहनिमित्त पक्षी निरीक्षण



नागभीड : राष्ट्रपिता महात्मा गांधींच्या व विज्ञान महाविद्यालय, नागभीड येथील प्राणीशास्त्र विभागाच्या वतीने महाविद्यालयाचे प्राचार्य डॉ. अनिल कोरपेनवार यांच्या मार्गदर्शनाखाली विद्यार्थ्यांना परिसरातील पक्षांची ओळख य विविध प्रजाती यांची माहिती देण्याची

या हेतूने पक्षी निरीक्षणाचे आयोजन करण्यात आले होते. यावर्षीपासून नियमित परिसरस्थेच्या शटक असलेल्या पक्षी व पक्षांच्या प्रजाती यांची ओळख देण्याची व त्यातून विद्यार्थी व समाजातील विविध घटकामध्ये पक्षीमंडळनाची महती कळाची

या हेतूने यावर्षीपासून दिनांक ५ ते १२ नोव्हेंबरपर्यंत पक्षी सप्ताहाने आयोजन करण्याचे महागण्ट मरुकार कडून निर्देश शाळा व महाविद्यालयांना देण्यात आले. या निमित्त ९ नोव्हेंबरला वन विभाग नागभीडच्या वतीने मोठ्याप्रमाणात अन्वयकारणात वनधर्मण व माहितीपर कार्यक्रम आयोजन करण्यात आले.

या वनधर्मणामध्ये ज्ञान निरर्णमित्र संघाचे कार्यकर्ते, वनविभागाचे कर्मचारी सहभागी आले. १० नोव्हेंबरला पांडव तलाव नागभीड, ११ नोव्हेंबरला विजयती तलाव व १२ नोव्हेंबरला

देव तलाव येथे पक्षीनिरीक्षणाचा कार्यक्रम आयोजित करण्यात आला. वनधर्मणेत रज्जुवाक बंदक, ग्रामस्थी घण, अगवुड बोटाचा सर्ष गरुड, शारदा पर्यट या स्थलांतरित पक्ष्यासोबतच स्थानिक सरप पक्षी, रंगीत करपेचा सामाखुता ६८ विविध पक्षांची नोंद करण्यात आली.

या वनधर्मणी दरम्यान पक्षीतज्ञ तथा प्राणीशास्त्र विज्ञान प्रमुख डॉ. जी. डॉ. देवामुख, ज्ञान निरर्णमित्र संघटनेचे धर्मेन्द्र भाजे व प्रा. निरुक्त कोरोडे यांनी विद्यार्थ्यांना पक्षांच्या विविध प्रजातींची ओळख करून दिली.

Sensitization – The students were sensitized regarding significance of birds in the maintenance of natural food chain and need for conservation. The identification of birds is the first step in the conservation measures. Some of the students, now keenly follow the regular birdwatching sessions carried out through the platform of 'Green Planet Nature Club', few of the students now became able to identify birds and ready to provide helping hand to Forest officials in their wildlife conservation activities.



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3. National webinar lecture series to celebrate 'Bird Week'



Context - Wetlands are important bird habitats, and birds use them for breeding, nesting, and rearing young. Birds also use wetlands as a source of drinking water and for feeding, resting, shelter, and social interactions. Some waterfowl, such as grebes, have adapted to wetlands to such an extent that their survival as individual species depends on the availability of certain types of wetlands within their geographic range. Other species, such as the northern pintail or the American widgeon, use wetlands only during some parts of their lives. Wetland birds have been declining worldwide due to the habitat loss caused by the farming activities. Therefore, wetland restorations are practised worldwide in order to recover the habitat of wetland birds. In this context, Department of Zoology organizes Online webinar series with an aim to generate awareness among the students regarding diversity bird community in local area.

Practice - On 6th and 7th Nov. 2020, webinar series has been organized by the Department of Zoology to celebrate 'Bird Week' and with an objective to generate awareness about avifaunal diversity of the local area. In the 1st session of day 1, webinar series was inaugurated at the hands Converner, honourable Principal, Dr. A.N. Korpenwar, while Organizing Secretoty, Dr. G. D. Deshmukh, in his introductory speech introduces Geust of Honour and resource persons, Dr. Gajanan Wagh, Dr. Jayant Wadtkar and Mr. Kiran P. More. In the second Technical Session, Dr. Gajanan A. Wagh, Head of the Department of Zoology, Shivaji College, Amravati, working in the field of Ornithology for past many years was instrumental in propagating the message of Bird Conservation, in the capacity of Secretary, of 'Maharashtra Pakshimitra', in his Keynote address entitled 'Wetland birds -Identification and Conservation', enlighten the students, about the diversity of winter migratory birds of the Vidarbha.




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Maharashtra Sahitya Akademi Award
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National Webinar on "The Outlook of Plant Science"
 Organized by
Department of Botany
 Date: - 11th November 2020


Register here
<https://forms.gle/2G9633208>

Managerial Address
 Dr. Anil N. Korpenwar
 Principal, RMG College, Naghrid
 Time: 10:30 am to 10:55 am


Webinar platform
 Online Mode through


Zoom link <https://bit.ly/3w8tq9g>

Invited Speakers



Dr. Sachin A. Puneekar
 Ecologist & Curator, Pratiksha at Government
 High School, Biological Department, K. J. Somaiya Institute of Ecological Research
 Time: 11:00 am to 12:15 pm



Dr. Shiram M. Bluskute
 Principal, Bhamburda, Maharashtra Sahitya
 Akademi
 Time: 12:30 pm to 1:45 pm

Convener :-
 Dr. Anil N. Korpenwar
 Principal & Head

Organizing Secretary :-
 Dr. V. M. Mohitkar
 (9970813138)

Organizing Committee :-
 Mr. A. R. Kavarkar
 (9804323234)
 Mr. D. G. Madast
 (9881796854)

Zoom link <https://bit.ly/3w8tq9g> | **WhatsApp** <https://bit.ly/3w8tq9g>

Free of charge. A certificate will be provided to all the participants after submission of feedback form within 7 days.

Practice: On 11th Nov. 2020, Department of Botany organized online National Webinar on "The Outlook of Plant Science" with an objective to generate awareness about Invasive plants and Native wetland plants of Maharashtra. The Webinar was inaugurated at the hands Convener, honourable Principal, Dr. A.N. Korpenwar. In first session Dr. Sachin Puneekar focussed on the invasive species specially their negative impact on surrounding environments, native Biodiversity, Ecology & Transmissions of diseases. He has mentioned some plants like *Eichhornia crassipes*, aquatic plant species which disturb the aquatic flora and fauna. *Cosmos bipinnatus*, *Lantana camera*, *Eupatorium odoratum*, *Gliricidia sepium*, *Leucaena leucocephala* are the invasive alien species which are rapidly spread and make trouble for native flora. During the second session Dr. Shiram Bluskute delivered talk on Wetland plants of Maharashtra with special reference to Gondia as most of the aquatic flora of Maharashtra is contributed by wetlands of Gondia District. He mentioned the need to reduce the human activities which is responsible for pollution so as to conserve wetland biodiversity.

Sensitization: About 257 Participants from different part of India were registered and joined through Zoom and YouTube. The participants were sensitized regarding invasive species and their impact and significance of native wetland flora and their need of conservation. The identification of Invasive species is important so as to eradicate them from the environment. The participants were aware about the invasive species and activities carried out to eradicate them like, Weedbon fire before seed setting, Movements against Biological Invasions (MABI).




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Quality Initiatives of IQAC for Promoting Quality Culture During Academic Year- 2020-2021

Department of Chemistry

Organizes "One Day National webinar on 10th November 2020"
regarding the topic "Applications of Carbon Materials"

Inaugural address

Dr. Anil N. Korpenwar

Principal

R.M.G. College, Nagbhid

Date: 10 Nov. 2020

Time: 12:30 pm to 12:50 pm

Guest Introduction

Dr. Harshal P. Mungse

Department of Chemistry
Adarsh Science College, Dhamangaon
Sant Gadge Baba Amravati University
Ph.D.- CSIR-IIP, Deharadun, India
Post Doc. JSPS Fellow, JAPAN

Topic: Graphene (Carbon Material):
Wonderful Material in a Decade

Date: 10 Nov. 2020

Time: 1:00 PM

Dr. Devaki Nandan

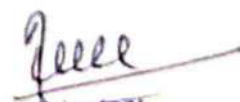
Department of Chemistry
Government Degree College, Tanakpur
Kumaun University, Uttarakhand
Ph.D.- CSIR-IIP, Deharadun, India
Post Doc. Czech Republic

Topic: Porous Carbon Composites and
their Catalytic Applications

Date: 10 Nov. 2020

Time: 1:45 PM




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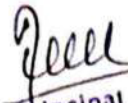
Context:- The world's first 2D material Graphene has been the subject of much research since it was first isolated at The University of Manchester in 2004, several decades after it was first discovered. It's sort of the remarkable little cousin of graphite, better known as "pencil lead," which is made from stacked layers of hexagonally arranged carbon atoms. Isolate just one of those layers, and you have graphene. It's been called a "wonder material" thanks to its many unique properties. It's ultra-lightweight, highly elastic, extremely flexible and so thin (a single atom in thickness, or one million times narrower than the diameter of a human hair) as to be nearly transparent – and yet it's 200 times stronger than steel and the most impermeable material ever discovered. It's also an exceptional conductor of both heat and Here's a list of different areas where this wonder material is being put to wondrous use:

- 1) Creating ultra-fast computers: Thanks to the material's 2D structure, electrons can move through it at virtually the speed of light. Computers based on graphene transistors have the potential to be thousands of times faster than their silicon-based counterparts.
- 2) Building better batteries: Graphene can impart better charging times, conductivity, cycle durability, storage capacity – and the list goes on. This is true not only for graphene batteries, but also for traditional lithium-ion batteries that incorporate the material.
- 3) Transforming transportation: Graphene-based composite materials could be incorporated into cars and aircraft, making them not only lightweight but also more fuel-efficient, stronger and safer.
- 4) Energizing electric vehicles: While using graphene batteries could drastically improve the efficiency and driving range of EVs, an even bigger revolution could come building graphene based supercapacitor film into the body of the vehicles themselves: the need for batteries could potentially be eliminated altogether.

Currently there is an ongoing effort to achieve sustainable growth, resource use efficiency and minimum waste and overall environmental protection. Increased environmental awareness and the need for competitive and sustainable products and solutions have driven materials research and carbon materials development with it Activated carbon is an extremely environmental friendly carbon porous material with increasing number of applications in different domains. These materials present several desirable characteristics such as tunable porosity, light weight, electrical conductivity, chemical and physical stability and a possibility to present different morphologies. Porous carbons are characterized by their highly developed micro- and meso-pore structures, micropores being essential for adsorption of small molecules.

Practice:- Rashtrapita Mahatma Gandhi Arts and Science Collage, Nagbhid Organizes "One Day National webinar on 10th November 2020" regarding the topic "Applications of Carbon Materials". The National webinar was chaired by Dr. Anil Korpenwar, Principal Rashtrapita Mahatma Gandhi Arts and Science Collage Nagbhid.




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The National webinar was organized by the Department of Chemistry. The HOD of Department of Chemistry Mr. Nilesh Gode, Assistant Professor was an Organizing Secretary and Dr. Atul Nagpure, Mr. Prachal Dhok, Mr. Premkumar Khobgade Sir was actively involved in the organizing committees. *Dr. Harshal P. Mungse* (Department of Chemistry, Adarsh Science College, Dhamangaon, Sant Gadge Baba Amravati University Ph.D.- CSIR-IIP, Deharadun, India and Post Doc. JSPS Fellow, JAPAN) and *Dr. Devaki Nandan* (Department of Chemistry Government Degree College, Tanakpur Kumaun University, Uttarakhand Ph.D.- CSIR-IIP, Deharadun, India and Post Doc. Czech Republic) were the guest speakers at the National webinar. In the National webinar students from various institutes were participated. The National webinar started with Dr. Anil Korpenwar's speech. Mr. N. G. Gode introduced the guest speakers. First of all Dr. Harshal P. Mungse sir expressed his views on the topic "**Graphene a Wonderful Material in a Decade**" and also gave wonderful information to the students in his presentation. Furthermore, he shared valuable information related to the Graphene material. In the second session Dr. Atul Nagpure introduced the guest speaker Dr. Devaki Nandan sir and tells us about his excellent quality research work. Dr. Devaki Nandan Sir expressed his views regarding the topic "**Porous Carbon Composite and their Catalytic Applications**". Furthermore he shared valuable information related to the carbon material and numerous applications of the composites of carbon material. Mr. Prachal dhok and Mr. Prem kumar Khobragade gives a thanking speech at the end of the webinar. Eventually, with the President's permission, the webinar was closed.

Sensitization: Carbon based composite materials finds verities of application such as, drug design and delivery, semiconductor appliances, material sciences, catalysis, agricultural sectors, lubricant industries, batteries, water purification technologies and so on. This national webinar will be highly helpful in boosting the student's knowledge in academics as well as in research areas. Students will be really motivated from the webinar by experts in the field of Carbon Materials.



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National Webinar on "Applications of Carbon Materials"

Organized By
Department Of Chemistry



Webinar platform



Inaugural address

Dr. Anil N. Korpenwar
Principal
R.M.G. College, Nagbhid
Time: 12:30 pm to 12:50 pm



Dr. Harshal P. Mungse

Department of Chemistry
Adarsh Science College, Dharamnagar
Sant Gadge Baba Amravati University
Ph.D.- CSIR-IRP, Deharadun, India
Post Doc. JSPS Fellow, JAPAN



Dr. Devaki Nandan

Department of Chemistry
Government Degree College, Tanakpur
Kumaon University, Uttarakhand
Ph.D.- CSIR-IRP, Deharadun, India
Post Doc. Czech Republic

LINKS

- Registration Link: [Click](#)
- What's-App Group: [Click](#)
- Feedback: [Click](#)
- ✓ Participants will get e-certificate
- ✓ No Registration Fees

SCHEDULE

Sr. No.	Name	Topic	Date & Time
1.	Dr. Harshal P. Mungse	Graphene (Carbon Material): Wonderful Material in a Decade	10 Nov. 2020 (1:00 PM)
2.	Dr. Devaki Nandan	Porous carbon composites and their catalytic Applications	10 Nov. 2020 (1:45 PM)

Organizing Committee

- ❖ Dr. A. S. Nagpure - 9763190023
- ❖ Mr. P. A. Khobragade - 8805937936
- ❖ Mr. P. P. Dhok - 8408950186

Organizing Secretary

- ❖ Mr. N. G. Gode
Head of Department
9420868994

Convenor

- ❖ Dr. A. N. Korpenwar
Principal
R.M.G. College, Nagbhid



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देशोन्नती

रा. म. गांधी महाविद्यालयात रसायनशास्त्र

विषयाचा एक दिवसीय राष्ट्रीय वेबिनार

देशोन्नती मुवसकलन... कार्यक्रमाचे प्रसारण झूम व यूट्यूब च्या माध्यमातून

नागपतीड ■ राष्ट्रपिता महात्मा गांधी जन्म व शिक्षण महातीक्ष्णता, नागपतीड वेबे रसायनशास्त्र विभागाच्या वतीने 'अभिलेखन ऑफ क्वॉलिटी' या विभागावर एक दिवसीय राष्ट्रीय वेबिनारचे आयोजन महाविद्यालयाचे प्राचार्य डॉ. अनिल एन. कवेरपेनवार यांच्या मार्गदर्शनाखाली आयोजित करण्यात आले.



दुरस्थ सज्जत डॉ. देवकीर्णाने यांनी 'सामाजिक अभिवृद्धि'चे क्षेत्र कार्यन मुदरियतक उपयुक्त आहे' असे सांगून, पौरस कर्तव्य मटेरियल बनविण्याची सुलभ प्रक्रिया सांगितली. या वेबिनारमध्ये भारत व भारतामहोदयील न गवत सितापील, महाविद्यालय, सशोधन केंद्रे येथील सयोग्य, प्राध्यापक आणि विद्यार्थ्यांनी सहभाग नोंदविला.

या वेबिनार मध्ये प्रमुख मार्गदर्शक डॉ. कर्णल मुंगळे, रसायनशास्त्र विभाग, अदारी शिक्षण मंडळीप्रमुख, काठनागरे हेतू व डॉ. देवकीर्णाने, रसायनशास्त्र विभाग, अक्षयनीय मंडळीप्रमुख, टाभानूर, कुजनाड विद्यापीठ, उतापचंड हे होते. वेबिनारमार्फत उदकातन महाविद्यालयाचे प्राचार्य डॉ. अनिल कवेरपेनवार यांचे सत्ते सज्जत डॉ. प्रकाश सज्जत डॉ. कर्णल मुंगळे यांनी आयोजित मटेरियल मध्य अक्षयनीय व सामाजिक सांगितले

व योग्य व दृष्टीने करे वनकिने जावात आनि मरिभला सज्जत उपचोन वला केला जाईल परिचारी मार्गदर्शन केले. या वेबिनारमार्फत प्रत्येक प्रसारण झूम व यूट्यूब मध्ये करण्यात आले. या वेबिनार म प्रकाशित वेबिनार आयोजकाचे सज्जत व आरक्षण परिचारील वी निपन निवडला आहे वी निधी तर्जनात आहे. व महाविद्यालयात ये प्रकाश डॉ. अनिल कवेरपेनवार यांनी घटनूट दिरे, प्रत्येक वेबिनार दो घटनूटकातन

डॉ. अतुल नागपुडे व निरंजल सोडे यांनी केले तर अक्षय प्रा. शैलकुमार खोब्राडे व प्रा. इंदर अक्षय यांनी मसले. या वेबिनारच्या सहाय्यीवलाडी सहाय्यीवलाडील सज्जत प्राध्यापकमुद, शिक्षकेतर कर्तव्यादी यांनी सहकार्य केले.



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