

DEPARTMENT
OF
INFORMATION TECHNOLOGY

RSM-HACKATHON





RSM-HACKATHON initiative to provide students with a platform to solve some of the pressing problems which we face in our daily lives and thus inculcate a culture of product innovation and a mindset of problem solving. This RSM-HACKATHON proved to be extremely successful in promoting innovation out-of-the box thinking in young minds, especially students from across all over India.

2022-23

- RSM-HACKATHON- S-23
- \bullet (12/04/2023)
- No. of participants:198

2021-22

- RSM-HACKATHON- S-22
- (29/07/2022)
- No. of participants:215

2020-21

- RSM-HACKATHON-S-21
- (5/7/2021 to 14/07/2021)
- No. of participants:148

- RSMHACKATHON- 19
- (15/02/2019)

No. of participants:503

2018-19





No problem is too big... No idea is too small



SMART COMMUNICATION

Designing devices which would aid in making smoother communication channels between various communication devices and points.



HEALTHCARE & BIOMEDICAL DEVICES

Designing devices that would help in managing healthcare better.



SECURITY & SURVEILLANCE

Creating state-of-the-art safety and security technologies for India.



SMART VEHICLES

Creating intelligent devices to improve commutation sector.



FOOD PROCESSING

Creating state-of-the-art solutions to manage and process our agriculture produce.



RENEWABLE ENERGY

Innovative ideas that help manage and generate renewable sources more efficiently.



ROBOTICS AND DRONES

There is a need to design drones and robots that can solve some of the pressing challenges of India such as handling medical emergencies, search and rescue operations, etc.



AGRICULTURE & RURAL DEVELOPMENT

Designing devices keeping in mind the need to enhance the primary sector of India - Agriculture and the lives of our Rural Population.



WASTE MANAGEMENT

Solutions could be in the form of waste segregation, disposal, and improved transportation system.





1. Education:

Making education interesting

Uninteresting methods of teaching in public institutions cause young students to be easily bored which leads to a decrease in participation of children in colleges, especially boys (46% boys and 53% girls of the population eager to study)

Problem: What is the solution, in your opinion, of uninteresting teaching methods in colleges?

Hint: creatively design a digital education system.

Employability

Higher education institutions do not ensure job opportunities or a job for their prospective graduate students, which lead to a greater amount of the working population unemployed.

Problem: What can be done to overcome this?

Hint: design a data-driven measurable system for the career development department of the institution.

Online Examination System:

Online examination system examine get their user id and password with his/her admit card. This id is already saved in the examination server. When examine login to the server he/she get his/her profile already register. On the certain time examine gets the message to start the examination. All answers given by examine are saved into the server with his/her profile information. Online examination system also allows to correct the answer if the examine needed to change any answer in the examination time

duration, however, after the time duration any change will not allow.

Problem: Convert manual exam system into digital exam system. Hint: creatively design a digital education system.

Online Admission Process:

As the strength of the students is increasing at a tremendous speed, manual maintenance of student admission is very difficult. Hence, the need for online admission is inevitable. In case of manual system they need a lot of time, manpower etc. Here almost all work is computerized. So the accuracy is maintained. Maintaining backup is very easy. It can do with in a few minutes.

Problem: Develop an online admission Process management system for a college. Hint: can be accessed throughout the organization and outside as well with proper login provided.

2.Healthcare

Waste management

Poor waste management in India is a major reason of water, sanitation and hygiene problems that leads to diseases being spread easily.

Problem: What is your solution?

Hint: Use your own creativity.

Make way for ambulances

The use of ambulances are not only abused, but those in dire need of it are not able to access it, thereby putting the unhealthy in a major risk of death, for example, the road has no policy in paving way for ambulances,

Problem: what might be the solution?

Hint: Open to your creativity to monitoring this.

Preservatives leading to health problems

Excessive use of preservatives in fruits and vegetables leads to health problems thereby resulting in long run health risks.

Problem: How can you stop long run health problems?

Hint: Can you propose an end-to-end solution that may help citizens, from field to consumption, and reporting? (Generate mobile application.)

Rural medical care

Medical care in the villages is barely sufficient and lacking in facilities, which leads to an unfair amount of deaths.

Problem: How can this be solved?

Hint: open to your creativity with uses of technology.

Exercise

With the myriad of apps and tools for tracing heart rate and steps,

Problem: Point students in the direction of exercise.

Hint: To develop a digital watch.

3.Governance

Crowd-sourced election monitoring system

Build an app that can support any types of elections in your neighborhood during the election day. Allow citizens to report any incidents, upload photos/videos, set severity and actionable attributes along with the GPS data which will allow you to prepare a report on the election afterwards.

Problem: If you can present it as a valuable tool for transparency, you may get a good amount of exposure, however, the challenges lies in the sustainable part of it.

Hint: How are you going to monetize such a tool?

Propose a better digital traffic system

India streets being completely devoid of traffic signals and traffic monitoring tools leads to an increase in traffic which thereby contribute to further air pollution.

Problem: How would you use technology to resolve this alarming issue of unruly traffic? How would you make the drivers respect your proposed system?

Hint: Develop digital monitoring system or application.

Public transportation routine and monitoring

Public transport in the city lacks systematic routine and monitoring which results in an inconvenience to the locals as well as contributes to road dangers.

Problem: What is your solution to solving this?

Hint: IoT, online transportation tracking, SMS push-pull, for citizens and the authority.

Rape and other abuses

Rape and other forms of violent abuse increasing, especially in college premises, public transports and other open areas.

Problem: How do you plan on battling rape/abuse in public areas?

Hint: Can you go beyond traditional too many times developed 'Panic Button' app?

Reducing crime rates in the slums

Crime rates in the slums are highest in urban areas where majority of drug dealings, illegal transactions and mugging takes place.

Problem: How can you bring about a change in the slums using technology, where the majority of the suffering live in the city?

Hint: Develop monitoring system.



4. Social Good

Generation gap in technology usage

The older generation is not as easily adapted to technology as the younger generation, which leads to communication gaps between the two generations, as well as presenting itself as a social barrier.

Problem: How can you make the older generation more engaged in the world of technology?

Hint: How can technology be used to address that?

Cyber criminals

No stopping of inappropriate content uploaded on the Internet, not only leads to injustice carried out but also assists in casting the wrong social morality image of India.

Problem: How can you overcome such an alarming problems like this?

Hint: what Facebook thinks appropriate, due to social reasons in countries like Indian subcontinent, might lead someone to suicide.

Robotics

Robotics is one of the best technologies which deals with design, working and applications of Robots, computer systems for their control and information processing. This technology also deals with automated machines and is very useful in manufacturing process.

Problem: How can you design Voice Controlled Robotic

Hint: Develop robot which explain college campus and handles enquiry.

5. Gender Equality and Women Empowerment

Rural women unemployment

Rural unemployment of women in India causes children to be more susceptible to labor than education thereby reflecting negatively on the economy.

Problem: How can you help solve this using technology?

Hint: How can technology be used to address that?

Problems of widowed women

Widowed women, in most cases, or women who have lost their current source of income are found unable to fend for themselves and their children,

Problem: how can this be solved?

Hint: offering them courses over their smart phones won't work for obvious reasons.

6. Environmental Sustainability

Green institutions

Lack of recycling in offices, schools and other institutions using mass amounts of paper, which leads to a negative externals on the environment.

Problem: What is your solution to creating a eco-friendly environment in offices and other areas?

Hint: e-signature, document management system, etc.

Safety in construction work

Construction workers and other forms of workers involved in hazardous jobs are never equipped with safety material and are not aware of the danger they place themselves in when they don't wear safety wear.

Problem: How can this be addressed?

Hint: IoT, and visit a real construction site, interview workers, managers and relevant stakeholders.

7. General:

Indian Culture

India has one of the richest and most exciting cultural tradition in the world our culture goes back several thousands year. That is why ours is known as one of the oldest civilization in the world. India is a land of festivals. There is hardly any month of the year without any festival. Therefore the festivals also play an important in our life & they remains our culture evergreen similarly there are many states in our India, all having their own traditional dress& food also because of all this about India it has be said that India has unity in diversity.

Problems: Develop mobile application / websites on one of following

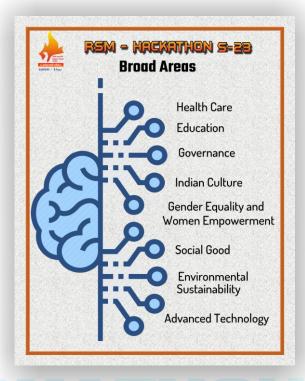
Our Religions, Our Languages, Dance, Music and Art, Our Scientist, The Food We Wear, Our Festivals

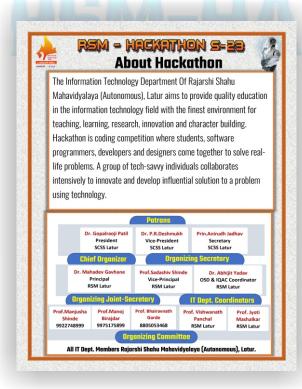
DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2022-23

BROCHURE











DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2022-23

PHOTOGRAPHS



Participants who have received internships

Prize Distribution Ceremony of winners



The participants of RSM-Hackathon-S-23

The participants of RSM-Hackathon-S-23



Academic Year: 2022-23

PAPER NEWS

एकमत

राजर्षी शाहू महाविद्यालयातील हॅकेथॉन स्पर्धेस भरघोस प्रतिसाद

लातूर : प्रतिनिधी

वेथील माहिती तंत्रज्ञान विभागातर्फे 'आर. एस. एम.-हॅकेथॉन- एस-२०२३' स्पर्धा दि. १२ एप्रिल रोजी महाविद्यालवात झाली.

वा स्पर्धेस चांगला प्रतिसाद मिळाला. वा स्पर्धेचे उद्घाटन महाविद्यालवाचे प्राचार्य डॉ. महादेव गव्हाणे बांच्या हस्ते झाले. याप्रसंगी प्लेसमेंट ऑफीसर डॉ. निशांक पिंपळे व स्पर्धेचे प्रायोजक अजोक पांचाळ जस्थित होते. वा स्पर्धेत राज्यातील विविध महाविद्यालवाचे १०७ ग्रुप सहभागी झाले होते.



स्पर्धन परिवाण करणवास्त्री
स्पर्धन परिवाण करणवास्त्री
परिवार मान्य स्वरंग काव्य, य उत्पाद्धी मंद्री वृद्धीय प्रतिशोषक स्वरंगि प्रदिन विकास अर्थितिय प्रदेश, उद्धीत अर्थितिय उद्धीत, य प्रदेश प्रदिन्त, अस्तित उद्धीत, य , हवार रूपये प्रदाश शांत्रीया में राम प्रदेश प्रदिन्त, अस्तित उद्धीत, य , हवार रूपये प्रदाश शांत्रीया में राम प्रदेश प्रद

राजर्षी शाहू महाविद्यालयात हॅकेथॉन स्पर्धा

महाविद्यालयाचे १०७ ग्रुप सहभागी झाले फ्री इंटर्निशप देऊ करण्यात होते. स्पर्धेचे परीक्षण करण्यासाठी परीक्षक

सोमवार, १७ एप्रिल २०२३

(स्वायत्त) वेथील महिती तंत्रज्ञान विभागातर्फे पट्टेवार व अनोखी मंत्री तृतीय पारितोषिक ५ तंत्रज्ञान आत्मसात करणे आवश्यक अ आर.एस.एस. हॅकेथॉन-एस-२०२३' स्पर्धा हजार रुपये पठाण शाहेबाज अजमेर यांनी असे म्हणाले त्याचवरोवर साम दि १२ एप्रिल, २०२३ रोजी महाविद्यालयात मिळवले. त्याचबरोबर क्वीनज़ेरा सॉफ्टवेअर पातळीवर असणारी वेगवेगळी आव्हाने, संपन्न बाली. या स्पर्धेचे उद्घाटन प्राचार्य डॉ. कंपनीतर्फे प्रथम पारितोषिक अथर्व वेदपाठक त्यावरील उपाययोजना आपल्या नाविन्य महादेव गव्हाणे यांच्या हस्ते झाले. याप्रसंगी आणि आयुष्यमान पटनावक, द्वितीय पारितोषिक कल्पना आणि विचारशक्ती व बा

यश शिंदे, अभिषेक शर्मा व आरती शर्मा, तंत्रज्ञान क्षेत्रात प्रचंड रोजगाराच्या संघी उपलब्ध कर्मचारी उपस्थित होते.

लातूर : राजर्थी शाह् महाविद्यालय द्वितीय पारितोषिक ७ हजार रेवती माळी, भक्ती होणार आहेत. त्यासाठी विद्याय्यांनी नवनवीन फ्लेसमेंट ऑफोसर डॉ. निशांक पिपळे व स्पर्धेचे प्रज्योत पवार व तृतीय पारितोषिक स्नेहा शिंदे तंत्रज्ञानाची सांगड कशी घालता वेईल यावदर प्रायोजक अशोक पांचाळ उपस्थित होते. व विकास शेलार यांना प्रदान करण्यात आले. मार्गदर्शन केले. या प्रसंगी महाविद्यालयाचे या स्पर्धेत राज्यातील विविध त्याचबरोबर २२ विद्याश्र्यांना विविध कंपन्याद्वारे उपप्राचार्य प्रा. सदाशिव शिंदे, डॉ. अभिजित प्रत्ने इंटर्नशिप देऊ करण्यात यादव, डॉ. ओमप्रकाश शहापूरकर, प्रा. आली. या विद्याश्यांचा वक्षीस वितरणाचा विश्वनाथ पांचाळ, प्रा. ज्योती माशाळकर म्हणून महेश जाधव, रुपेश पाटील, आशिष कार्यक्रम प्राचार्य डॉ. महादेव गव्हाणे वांच्या तसेच स्पर्धेचे समन्वयक प्रा. मंजुषा शिदे, डाके व कन्हैया मडोळे यांनी काम पाहिले. उपस्थितीत पार पडला. या प्रसंगी प्राचार्यांनी प्रा. मनोज विराजवार, प्रा. भैरवनाथ गोरडे व या स्पर्धेचे प्रथम पारितोषिक ११ हजार रूपये आव.टी. क्षेत्रामध्ये येत्या ५० वर्षामध्ये माहिती आयटी विभागातील सर्व प्राध्यापक व शिक्षकेतर

पुण्य 🌡 नगरी

शिल्दनगर





Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

NATIONAL LEVEL HACKATHON COMPETITION **RSM-HACKATHON S-23**



Rank	Name of Student	Group Number	Amount in Rs.	Title of Project	Signature
Prize I	Supash Satish Shinh Abhishek Sharma	G-23	11000/-	Plastatic: Recyclul	July .
Prize II	Rendi Vijaz meli Blakti Amil pattener Anokhi vishel montri	G-53	7,000 -	Advance farming methodology	極
Prize III	Pathon Shaheboo Almon	G-06	5000 [-	Health monitoring	ilai

Academic Year: 2021-22





Shiv Chhatrapati Shikshan Sanstha's Rajarshi Shahu Mahavidyalaya (Autonomous),

Latur

ceredited (III cycle) B++ Grade with CGPA 2.99, UGC-CPE (Phase s by UGC, DST-FIST Support, ISO 9001:2015 (QMS) certification.

Department of Information Technology Organizes

NATIONAL LEVEL HACKATHON COMPETITION

RSM-HACKATHON-S-2022



The Information Technology department of Rajarshi Shahu Mahavidyalaya (Autonomous), Latur aims to provide quality education in the Information Technology field with the finest environment for teaching, learning, research, innovation, and character building. Hackathon is a coding competition where, students, software programmers, developers, and designers come together to solve real-life problems. A group of tech-savvy individuals collaborates intensively to innovate and develop influential solutions to a problem using technology

Patrons Dr. Gopalraoji Patil President ,SCSS, Latur Vice- President ,SCSS, Latur

Secretary .SCSS, Latur

Chief Organizer Dr. Mahadev Gavhane

Principal

BROAD AREAS Healthcare



Gender Equality and Environmental Sustainability Women Empowerment

More details visit

Website link

https://www.shahucollegelatur.org.in/ hackthon/hackthon21.aspx

Telegram

https://t.me/+GO3sv-kvKqA3ZjE1

Registration

https://forms.gle/s22dtE3b37t5Uhny7

Who Should Participate



PRIZES

First : Rs. 11,000/-Second : Rs. 7,000/-Third : Rs. 5,000/-

General Guidelines for the Competition:

The team must be of 2 or 3 members.

Select any area as specified, identify & define the Problem statement.

Only the registered teams will be allowed to present.

Last date of Registriation: 15th Jun 2022 upto 07:00 pm.

The Participation Certificate will be provided to all the participants.

Registration of every team is compulsory

Registration Fee

The registration fee for each team is Rs 250/- and can pay through UPI (any)

Account Details

Account Name: The Principal, Rajarshi Shahu Mahavidyalaya, (Autonomous), Latur

Bank Name: Canara Bank, Branch: Chandra Nagar, Latur.

Account Number: 8576201000107

IFSC Code: CNRB0008576

Anyone can participate

Organizing Secretary

Vice - Principal Dr. Abhijit Yadav IQAC Coordinator

Organizing Joint-Secretary

Prof. Manjusha Shinde: 9922748999 Prof. Manoj Birajdar: 9975175899

Department Coordinators

4

Prof. Vishwanath Panchal Prof. Jvoti Mashalkar

Organizing Committee

All IT Department Members Rajarshi Shahu Mahavidyalaya (Autonomous), Latur





DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2021-22

PHOTOGRAPHS



Principal Dr. Mahadev Gavhane Guiding and Encouraging participants

Prize Distribution Ceremony of winners





The participants of RSM-Hackathon-S-22

The participants of RSM-Hackathon-S-22



Academic Year: 2021-22

PAPER NEWS

Birajdar, Attal emerge joint winners of Hackathon

LOKMAT NEWS NETWORK LATUR, AUG 2

Suyash Santosh Birajdar and Siddhi Deepak Attal emerged joint winners of RSM Hackathon Project Competition organised by the department of infor-mation technology of Rajarshi Shahu College, here recently here recently.

A hackathon,

A backathon, asso known as a codefest, is a social coding event that brings computer program-mers and other interested people together to improve upon or build a new software program.

Software researcher Akshay Mane presented Birajdar and Attal with Rs 11,000 cash prize and a certificate each, while the second prize (Rs 7,000) went to Pratik Satish Ward, Sangameshwar Ward, Sangameshwar Kalyan Ward, Omkar Subhsha Ugile and the third prize (Rs 5,000) to Yogesh Kushawat Mane,



Winners of RSM Hackathor, Project Competition organized by the department of information technology of Rajarshi Shahu College, in Latur recently.

Prabhakar Prabhakar, Rohit Prabhakar Penjdhakar, Siddharth Suresh Bhare, Kisan Singh and Vijay Singh Gharwar. Shivchhatrapati

Shikshan Sanstha mem-

ber Babruwan Gomsale had inaugurated the com-petition on July 29 in the cultural hall of the col-lege. Principal Dr Mahden lege. Mahadev Gavane, Panchal, Vishwanath

Manjusha Shinde and Manoj Birajdar were guests of honour. A total of 88 teams from

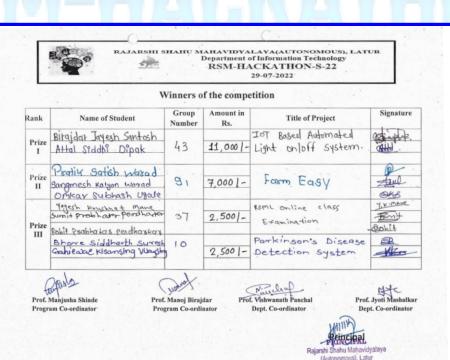
A total of 88 teams from various colleges across the state had participated in this competition, while Omkar Boishette, Pritha Mandvekar, Ashish Dake and Kedar Phule were on the panel of adjudicators. Speaking at the presentation ceremony, software researcher Akshay Mane Sail in future vacancies

researcher Akshay Mane sail in future vacancies would be available in sub-jects like Watch BlockChain and Al

Machine Learning Principal Mahadev Principal Mahadev Gavane advised students to study whatever changes occur in the information technology in the coming

50 years.
Vice-principal Sadashiv
Shinde, Dr Abhijit Yadav,
Omprakash Shahapurkar, teaching and non-teaching staff of the department

Daily News Paper Lokmat News Network Date:02-08-2022



DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-21

BROCHURE RSM – HACKATHON-S-21











DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-21

PHOTOGRAPHS



Opening Ceremony of RSM-HACKATHON S-21



The participants of RSM-Hackathon-S-21



The participants of RSM-Hackathon-S-21



The participants of RSM-Hackathon-S-21



The participants of RSM-Hackathon-S-21





DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-21

PHOTOGRAPHS



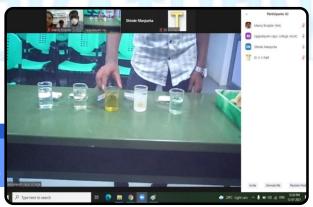
The participants of RSM-Hackathon-S-21



The participants of RSM-Hackathon-S-21



The participants of RSM-Hackathon-S-21 in online mode



The participants of RSM-Hackathon-S-21 in online mode



Prize Distribution Ceremony of winners





Academic Year: 2020-21

PAPER NEWS



Daily News Paper Lokmat Date:06-08-2021







DEPARTMENT OF INFORMATION TECHNOLOGY

RSM-HACKATH

Academic Year: 2018-19

BROCHURE RSM - HACKATHON-S-19

ajarshi Shahu Mahavidyalaya, Latur (Autonomous) Department of Comp. Sci &

Information Technology

RSMHACKATHON-S-19

JOPICS: 1. Web Page / Website

2. Logical or Graphical Application

in 'C' / 'C++'

3. Android / iOS App

4..NET / JAVA Windows Application

5. Any Module

DATE: Friday, 15 Feb 2019

TIME: 10 AM to 2 PM

VENUE: **College Auditorium**

More Contact:

1. Mrs. Shinde Manjusha 9922748999

2. Mr. Bachiphale Pramod 9021564596

3. Mr. Birajdar Manoj 9975175899



DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2018-19

PHOTOGRAPHS















DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2018-19

PHOTOGRAPHS









DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2018-19

PHOTOGRAPHS









DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2018-19

RAJARSHI SHAHU MAHAVIDYALAYA (AUTONOMOUUS), LATUR DEPARTMENT OF COMP. SCI. AND INFORMATION TECHNOLOGY RSMHACKATHON-S-19

RESULT

		FIRST YEAR		
RANK	CLASS	GROUP NO.	GROUP NAME	
1	B.Sc.(C.S.)-F.Y.	CS-116	More Pooja More Shweta	10
II	B.Sc.(C.S.)-F.Y.	CS-114	1. Akshata D. Ugile 2. Rutuja B. Mirkale 3. Ankita D. Ingle	
III.	B.Sc.(C.S.)-F.Y.	CA-118	Shaikh Sohel Shaikh Saleem Salgante Mangesh Deshmukh Dhiraj	

U.G. SECOND YEAR to P.G. F.Y. and S.Y.							
RANK	Class	Group No.	Group Name				
ı	B.Sc.(C.S.)-T.Y.	CS-315	Jadhav Abhijeet Surwase Anuradha Patil Bhakti Yelgatte Supriya				
11	B.Sc.(C.S.)-S.Y.	CS-202	Bade Nilesh Jogdand Navnath Ambegaonkar Prana Alange Maharpasad				
III	B.Sc.(C.S.)-F.Y.	CA-118	Shaikh Sohel Shaikh Saleem Salgante Mangesh Deshmukh Dhirai				

Mes manjusha shinde Peogeam co-oedinatoe

Magnowsh ahardye

PRINCIPAL
Rajarshi Shahu Mahavidyalaya,Latur
(Autonomous)

Amol Kalekar

Pg.-22



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