



Report for AY 2024-25

Name of Club: Information Security and Digital Forensics

VISION

To become a Center of Excellence in the field of Information Security and Digital Forensics

MISSION

- To provide the necessary resources and infrastructure to staff and students for solving information security and forensics related problems.
- To collaborate with various industries, research laboratories and academic institutes to cater the need of information security community.
- To encourage and motivate students and staff towards innovative and creative thinking in an effective way to conduct research in ISDF domain.

Name of faculty in-charges		
1	Dr. Sagar Rane	
2	Prof. Mangesh Hajare	
3	Prof. Anjali Hudedamani	
Name of Student Secretaries		
1	Jatin Pandey	
2	Ankit Sharma	
Budget Allocated by Institute		Rs. 2 Lakhs
Sponsorship Received		-
Name of activities/events conducted		
Sr No.	Name of activity	Type (Inter college/ Intra college)
1	Lumina Classes	Intra College

Dr. Sagar Rane

Name and Sign of Club/ Cell/ Session IC



Army Institute Of Technology (AIT), Dighi Camp, Pune - 15.

Director : 7249250115, Joint Director : 7249250117, Principal : 7249250186

Exch : 7249250183, 7249250184, 7249250185

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2	Hide & Seek	Intra College
3	Crackhunt	Intra College
4	Love Bytes	Intra College
5	Cyber Security Certification & Accreditation Workshop	Inter College
6	Crackhunt 2.0	Inter College
7	Bypass CTF	Inter College
8	Cyber-security Quiz	Inter College
9	AICTE ATAL FDP on Cyber Security and Ethical Hacking	Inter College
10	AICTE ATAL FDP on Defence Dynamics and Space Exploration	Inter College

Dr. Sagar Rane

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Reports of all Activities/Events

Activity No. 1

Lumina Classes – Light Up Your Defense

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isd_f_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Lumina Classes – Light Up Your Defense
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intra college
Start Date	10 August, 2024
End Date	13 March, 2024
Mode of event (offline/online)	Offline
Number of Student Participants	280
Number of Faculty Participants	03
Number of External Participants, If any	00
Expenditure Amount, If any	
Objectives of activity (min 2)	1. Security Awareness. 2. Problem Solving. 3. Competitive Spirit.
Description of activity(50-150 words)	<u>Lumina Classes</u> , an initiative by the ISDF Club, introduced first-year students to the dynamic and rapidly growing world of <i>ethical</i>

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	<p><i>hacking and cyber security.</i> Designed for absolute beginners, these sessions provided a friendly and engaging environment to explore topics like cyber threats, secure browsing, digital hygiene, and ethical hacking principles. The goal was to make students aware of how the digital world works—and how to protect it. The sessions were designed to spark curiosity, promote cyber awareness, and encourage students to explore ethical hacking as a valuable and exciting skill set. Lumina served as the first step for many students in building a strong foundation and joining the community of future cyber defenders.</p>
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Jatin Pandey, Ankit Sharma
Video URL (optional)	
Geo tagged Photograph1 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Geo tagged Photograph2 (JPEG Format max size 2 Mb which shows strength of audience)	

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/participants with speaker)	
Session plan/Brochure/Document/overall report of the activity (JPEG or PDF Format max size 2 Mb)	
Mention the PO number mapped with the Activity	PO 6, 8, 12

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Activity No. 2 HIDE & SEEK

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isdf_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Hide & Seek
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intra college
Start Date	16th September, 2024
End Date	17th September, 2024
Mode of event (offline/online)	Offline
Number of Student Participants	148
Number of Faculty Participants	1
Number of External Participants, If any	
Expenditure Amount, If any	1000
Objectives of activity (min 2)	1.Security Awareness 2.Problem Solving 3.Competitive Spirit
Description of activity(50-150 words)	<u>"Hide and Seek" Capture the Flag (CTF)</u> is an exciting cyber security competition where participants take on dual roles as attackers and

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	defenders in a virtual battleground. Individuals or teams solve real-world challenges in web exploitation, cryptography, binary analysis, and network security to capture hidden "flags" while protecting their own. The time-bound event features real-time scoring and leaderboards, pushing competitors to think critically and act quickly. Designed to simulate real cyber threat scenarios, the competition offers hands-on experience with tools and techniques used by professionals.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Jatin Pandey, Ankit Sharma
Video URL (optional)	
Geo tagged Photograph1 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	

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Geo tagged Photograph2

(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)



Session plan/Brochure/Document/overall report of the activity

(JPEG or PDF Format max size 2 Mb)

Mention the PO number mapped with the Activity

PO 2, 4, 5, 8, 12

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Activity No. 3 Crackhunt

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isd_f_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Crackhunt
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intra college
Start Date	15 January, 2025
End Date	15 January, 2025
Mode of event (offline/online)	Offline
Number of Student Participants	180
Number of Faculty Participants	1
Number of External Participants, If any	0
Expenditure Amount, If any	
Objectives of activity (min 2)	1.Puzzle Solving 2.Ethical Hacking 3.Competitive Spirit
Description of activity(50-150 words)	"Crackhunt" is a thrilling puzzle-solving competition that challenges participants to crack a series of game-based puzzles with increasing difficulty levels. This immersive event puts contestants' problem-solving skills to the test, requiring them to think creatively

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	and strategically to overcome obstacles. With each level, the puzzles become progressively more complex, demanding a deeper understanding of cybersecurity concepts and techniques. From decoding encrypted messages to exploiting virtual vulnerabilities, participants must use their skills and knowledge to "crack" each challenge. The event is designed to simulate real-world cybersecurity scenarios, providing a unique opportunity for participants to hone their skills in a fun and competitive environment.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Pankaj Rai, Tejaswini
Video URL (optional)	
Geo tagged Photograph1 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Geo tagged Photograph2 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Session plan/Brochure/Document/overall report of the activity (JPEG or PDF Format max size 2 Mb)	
Mention the PO number mapped with the Activity	PO 2, 4, 8, 12

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Activity No. 4 Love Bytes

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isd_f_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Love Bytes
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intra college
Start Date	07 February, 2025
End Date	14 February, 2025
Mode of event (offline/online)	Online
Number of Student Participants	119
Number of Faculty Participants	1
Number of External Participants, If any	
Expenditure Amount, If any	
Objectives of activity (min 2)	1.Security Awareness. 2. Ethical Hacking.
Description of activity(50-150 words)	<u>"Love Bytes"</u> was an engaging online quiz competition held on Instagram Stories, testing participants' knowledge of cybersecurity and ethical hacking. The event was designed to educate and entertain, with a series of

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	challenging questions and puzzles that simulated real-world cybersecurity scenarios. Participants had to use their skills and knowledge to identify vulnerabilities, decode messages, and outsmart hackers. The quiz was divided into rounds, each focusing on a different aspect of cybersecurity, such as network security, cryptography, and web exploitation. With real-time scoring and leaderboard updates, participants could track their progress and compete with others. "Love Bytes" aimed to raise awareness about cybersecurity and promote ethical hacking practices, making it a fun and informative experience for all involved.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Jatin Pandey, Ankit Sharma
Video URL (optional)	
Geo tagged Photograph1 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Geo tagged Photograph2 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Session plan/Brochure/Document/overall report of the activity (JPEG or PDF Format max size 2 Mb)	
Mention the PO number mapped with the Activity	PO 2, 4, 12

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Activity No. 5

Cyber Security Certification & Accreditation Workshop

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isdf_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Certification in Cyber Security and Accreditation Schemes.
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Workshop for students and faculty
Start Date	20 March, 2025
End Date	22 March, 2025
Mode of event (offline/online)	Offline
Number of Student Participants	55
Number of Faculty Participants	7
Number of External Participants, If any	36
Expenditure Amount, If any	
Objectives of activity (min 2)	1. Cyber Threat Awareness 2. Certification Insights 3. Competitive Spirit
Description of activity(50-150 words)	<u>“Certification in Cyber Security & Accreditation Schemes”</u> was a workshop which was organized

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	for students and faculty members to create awareness about the importance of cyber security and certified skill development. The session provided insights into various types of cyber security certifications, national and international accreditation schemes, and the career pathways they offer. It also emphasized the role of certification in enhancing credibility and preparedness against cyber threats. The workshop was conducted in collaboration with <u>PADD, NCIIPC (National Critical Information Infrastructure Protection Centre)</u> , and <u>QCI (Quality Council of India)</u> , bringing expert guidance from key organizations in the field.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Jatin Pandey, Ankit Sharma
Video URL (optional)	
Mention the PO number mapped with the Activity	PO 6, 9, 12

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Activity No. 6

Crackhunt: The Ultimate Showdown

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isd_f_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Crackhunt: The Ultimate Showdown
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Inter college
Start Date	03 April, 2025
End Date	03 April, 2025
Mode of event (offline/online)	Offline
Number of Student Participants	151
Number of Faculty Participants	1
Number of External Participants, If any	3
Expenditure Amount, If any	
Objectives of activity (min 2)	1.Puzzle Solving. 2.Ethical Hacking. 3.Competitive Spirit.
Description of activity(50-150 words)	"Crackhunt: The Ultimate Showdown" is a prestigious, large-scale puzzle-solving competition that

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	<p>brings together the world's top cybersecurity talent. This grand event features a series of intricate, game-based puzzles with escalating difficulty levels, designed to push participants' skills to the limit. With a vast array of challenges, including cryptography, web exploitation, and binary analysis, contestants must demonstrate exceptional problem-solving abilities, strategic thinking, and mastery of cybersecurity concepts. The competition unfolds over several rounds, with each level revealing a new set of complex puzzles to crack. A live leaderboard tracks progress, and top performers compete for coveted prizes and international recognition. "Crackhunt: The Ultimate Showdown" is the pinnacle of puzzle-solving events, offering an unparalleled opportunity for cybersecurity enthusiasts to showcase their expertise, learn from peers, and elevate their skills to new heights.</p>
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Pankaj Rai, Tejaswini, Ankit Sharma, Jatin Pandey
Video URL (optional)	
Geo tagged Photograph1 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	

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Geo tagged Photograph2 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Session plan/Brochure/Document/overall report of the activity (JPEG or PDF Format max size 2 Mb)	
Mention the PO number mapped with the Activity	PO 2, 4, 5, 9, 12

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Activity No. 7

Bypass CTF

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isd_f_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	ByPass CTF
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intercollege event
Start Date	5 April, 2025
End Date	6 April, 2025
Mode of event (offline/online)	Online
Number of Student Participants	495
Number of Faculty Participants	1
Number of External Participants, If any	444
Expenditure Amount, If any	
Objectives of activity (min 2)	1.Security Awareness. 2.Problem Solving. 3.Competitive Spirit.
Description of activity(50-150 words)	"Bypass CTF" typically refers to a Capture The Flag (CTF) competition or challenge related to cybersecurity and information security. CTFs are contests or challenges where participants are presented with a

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	series of tasks, puzzles, or security scenarios that require them to use their skills and knowledge to uncover vulnerabilities, solve problems, and "capture flags" or hidden pieces of information to earn points. Bypass CTF, like other CTFs, focuses on various aspects of cybersecurity and can include challenges related to penetration testing, reverse engineering, cryptography, and other security domains.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Jatin Pandey, Ankit Sharma
Video URL (optional)	
Geo tagged Photograph1 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Geo tagged Photograph2 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Session plan/Brochure/Document/overall report of the activity (JPEG or PDF Format max size 2 Mb)	
Mention the PO number mapped with the Activity	PO 2, 4, 5, 9, 12

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Activity No. 8 Cyber-security Quiz

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isd_f_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Cyber-security quiz
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intercollege event
Start Date	5 April, 2025
End Date	5 April, 2025
Mode of event (offline/online)	Online
Number of Student Participants	507
Number of Faculty Participants	1
Number of External Participants, If any	442
Expenditure Amount, If any	
Objectives of activity (min 2)	1.Security Awareness. 2.Ethical Hacking. 3.Competitive Spirit.
Description of activity(50-150 words)	"Cybersecurity Quiz" is a comprehensive online competition that tests participants' knowledge and understanding of cybersecurity concepts, threats, and best practices. This engaging

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	event features a series of challenging questions, case studies, and scenarios that simulate real-world cybersecurity situations. Contestants must demonstrate their expertise in areas such as network security, cryptography, threat analysis, and incident response. The quiz is designed to assess participants' ability to identify vulnerabilities, mitigate risks, and make informed decisions in a rapidly evolving cybersecurity landscape.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Jatin Pandey, Ankit Sharma
Video URL (optional)	
Geo tagged Photograph1 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Geo tagged Photograph2 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Session plan/Brochure/Document/overall report of the activity (JPEG or PDF Format max size 2 Mb)	
Mention the PO number mapped with the Activity	PO 1, 2, 4, 5, 12

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Activity No. 9

AICTE ATAL FDP on Cyber Security & Ethical Hacking

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isd_f_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane Dr. Sita Yadav
Program/Activity/Name	FDP
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intercollege event
Start Date	2 Dec, 2024
End Date	7 Dec, 2024
Mode of event (offline/online)	Offline
Number of Student Participants	06
Number of Faculty Participants	31
Number of External Participants, If any	24
Expenditure Amount, If any	2,43,000
Objectives of activity (min 2)	1.Security Awareness. 2.Ethical Hacking. 3.Competitive Spirit.
Description of activity(50-150 words)	A specialized training program aimed at enhancing faculty members' knowledge and skills in cyber security and ethical hacking. The FDP covered key topics such

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	as network security, cryptography, vulnerability assessment, penetration testing, and incident response, with hands-on sessions to simulate real-world attack and defense scenarios. The program emphasized the latest trends, tools, and ethical practices in safeguarding digital assets, enabling participants to integrate advanced cyber security concepts into teaching, research, and institutional capacity building.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Jatin Pandey, Ankit Sharma
Geo tagged Photograph1 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Geo tagged Photograph2 (JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)	
Session plan/Brochure/Document/overall report of the activity (JPEG or PDF Format max size 2 Mb)	
Mention the PO number mapped with the Activity	PO 1, 2, 4, 5, 8, 12

Dr. Sagar Rane

Name and Sign of Club/ Cell/ Session IC



Army Institute Of Technology (AIT), Dighi Camp, Pune - 15.

Director : 7249250115, Joint Director : 7249250117, Principal : 7249250186

Exch : 7249250183, 7249250184, 7249250185

Website : www.aitpune.com Email : ait@aitpune.edu.in

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Activity No. 10

AICTE ATAL FDP on Defence Dynamics and Space Exploration

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isdf_ait) • Instagram photos and videos
Academic Year	2024-25
Name of coordinator	Dr. Sagar Rane Dr. Sita Yadav
Program/Activity/Name	FDP
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intercollege event
Start Date	6 Jan, 2025
End Date	11 Jan, 2025
Mode of event (offline/online)	Online
Number of Student Participants	13
Number of Faculty Participants	87
Number of External Participants, If any	69
Expenditure Amount, If any	Rs. 1,00,000
Objectives of activity (min 2)	<ol style="list-style-type: none">1. Enhance knowledge of Defense and Space Technologies2. Foster understanding of strategic Defense Dynamics3. Introduce Space Exploration and Research Frontiers4. Develop Practical Skills in Defense Space Applications

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Description of activity(50-150 words)	<p>The AICTE ATAL sponsored Online One Week Faculty Development Program (FDP) on "Defense Dynamics and Space Exploration: Bridging the Future" was organized by the Department Computer Engineering and the Information Security and Digital Forensics (ISDF) Club of Army Institute of Technology, Pune. This event, held from 6th to 11th January 2025, aimed enhancing knowledge and fostering academic collaboration in the emerging fields of defense dynamics and space exploration. With a forward-looking approach to bridging the gap between current advancements and future technological landscapes, the program attracted 130 participants from various academic and professional backgrounds. The MS team's online platform provided an ideal environment for participants to engage with distinguished experts, practitioners, and thought leaders, offering valuable insights into the rapidly evolving domains of defense and space technologies.</p>
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Jatin Pandey, Ankit Sharma
Video URL (optional)	https://www.youtube.com/@aitpune6336

Dr. Sagar Rane

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Army Institute Of Technology (AIT), Dighi Camp, Pune - 15.


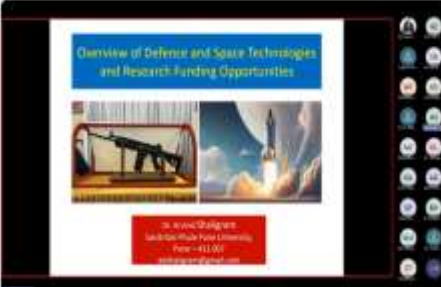
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<p>Geo tagged Photograph1</p> <p>(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)</p>	
<p>Geo tagged Photograph2</p> <p>(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)</p>	
<p>Session plan/Brochure/Document/overall report of the activity</p> <p>(JPEG or PDF Format max size 2 Mb)</p>	
<p>Mention the PO number mapped with the Activity</p>	<p>PO1, 5, 12, 6, 3, 2</p>

Dr. Sagar Rane

Name and Sign of Club/ Cell/ Session IC