

SKN SINHGAD COLLEGE OF ENGINEERING

Accredited by NAAC with "A⁺" Grade A/P- Korti, Dist- Solapur Pin- 413304, MH, INDIA (Approved by AICTE, recognized by DTE & Affiliated to Punyashlok Ahilyadevi Holkar Solapur University)



Institution's Innovation Council 7.0

Annual Report 2024-25









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IIC Performance Certificate in AY 2023-24





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About IIC Institute:

SKNSCOE has established Institution's Innovation Council (IIC) as per the guidelines of 'MoE's Innovation Cell (MIC)' in the year 2019. The initiative was to create a vibrant local innovation ecosystem, start-up supporting mechanism, establish function ecosystem for scouting ideas and pre-incubation of ideas and to develop better cognitive ability for technology students. SKNSCOE- IIC is actively involved in organizing and conducting seminars, workshops, field trips, project exhibitions, entrepreneurship boot camps, Idea competitions etc. for its students and faculties.

IIC President Dr. S. G. Kulkarni called meeting to plan the activities for the First Quarter for the year 24-25. The IIC member details for the academic year 2024-25 are as follows:

Brief mention of key functionaries at the IIC Institute

_ President: Dr. S. G. Kulkarni

☐ Vice President: Mr.D.M.Korake

☐ Convenor: Dr.S.G.Deshmukh

Coordinators: 10

| Sr. No. | Name of the Staff | Position |
|---------|-----------------------|--|
| 1 | Dr. S. G. Kulkarni | President |
| 2 | Prof. D. M. Korake | Vice President, ARIIA Coordinator |
| 3 | Prof. S. C. Mali | NIRF Coordinator |
| 4 | Dr. S. D. Katekar | Social Media |
| 5 | Dr. S. G. Deshmukh | Convener |
| 6 | Dr. A. S. Aradhye | Innovation & Incubation Activity/KAPILA |
| 7 | Prof. B. S. Savase | Internship Activity Coordinator |
| 8 | Prof. P. B. Vyavahare | IPR Activity Coordinator |
| 9 | Dr. B. S. Gandhare | Startup Activity Coordinator |
| 10 | Prof. G. D. Lakdade | YUKTI |

SPSPM || জাৰ বাৰ ঘটাল বাৰ ||

Savitribai Phule Shikshan Prasarak Mandal's

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Members:

Total IIC Member: 09

SKNSCOE IIC also formed the committee to implement and monitor the National Innovation and Startup Policy (NISP) and a resolution was passed on 3rd August 2024.

| 1 | Prof. D. R. Giram | Member |
|---|---------------------|--|
| 2 | Prof. M. V. Tondase | Member |
| 3 | Prof. K. P. Jadhav | Member |
| 4 | /Prof. A. H. Shinde | Member |
| 5 | Prof. R. S. Yevale | Member |
| 6 | Dr. S. A. Kale | Patent expert |
| 7 | Prof. R. M. Jadhav | Bank/Investor |
| 8 | Prof. Shivraj Kale | Incubation Member |
| 9 | Dr. Atul Sagade | Expert from nearby Industry/Industry association |

Vision / Mission of IIC established at the Institute:

Vision:

"We are committed to transform SKNSCOE, as a leading technological institute in India which offers a dynamic learning environment with value based education through self-learning and innovative thinking in students."

Mission:

- SKN Sinhgad College of Engineering offers a unique culture to enhance self-esteem, team spirit, and life skills of students to match the need of fast changing world.
- The institute focuses on self-learning abilities & project based learning through well-defined curricular and co-curricular activities.



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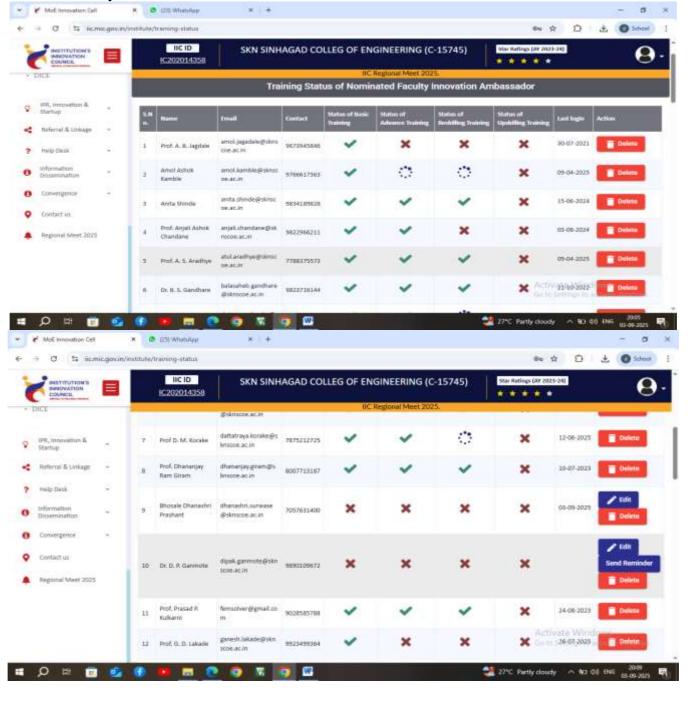
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IIC - Innovation Ambassador:

The Institution's Innovation council of MHRD's Innovation Cell organized a series of training programs exclusively for IIC members. During the current academic year, Thirty eight faculty members have completed basic level as well as advanced level training sessions and are designated as "IIC -Innovation Ambassador". They are trained to play a role of mentor or guide for young mindsin their pursuit of innovation and entrepreneurship.

The Faculty Innovation Ambassadors are:



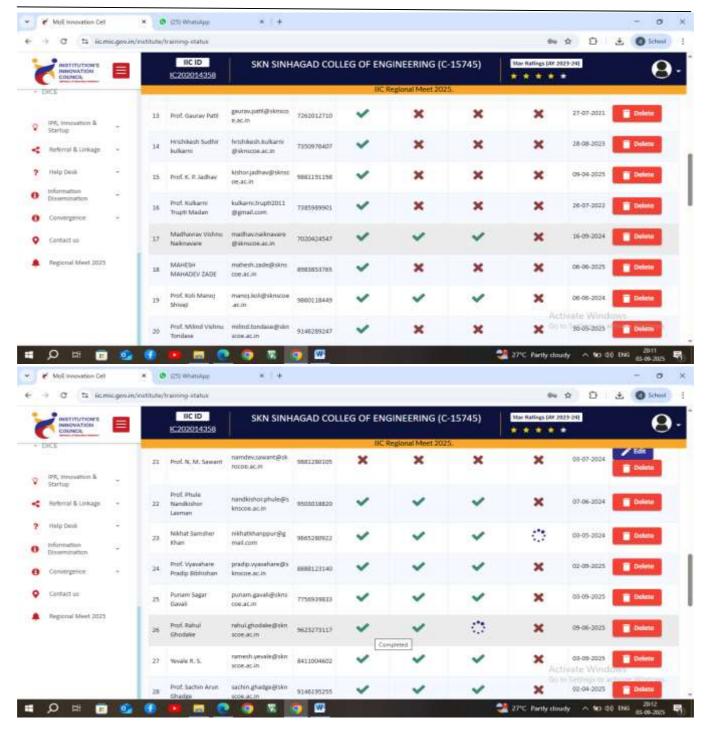
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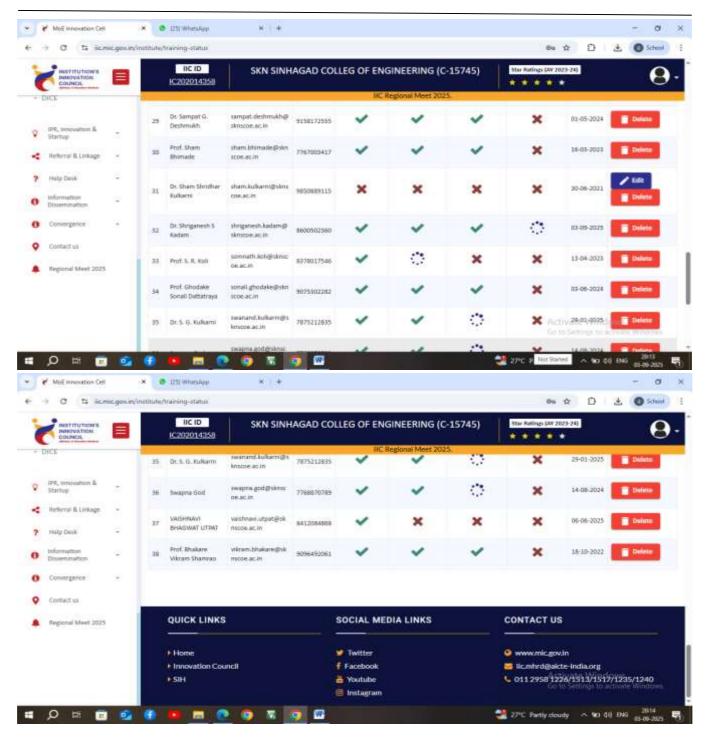




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- Total No. of IAs (Teaching/Non-Teaching) =38
- Total No. of IAs (Students) =44



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Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.

The attempt is made to give the diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units. All heads of department are IIC members of institute. All the senior faculties are coordinators of IIC activities and external members are from research background as well as from industry

| □ Pre-] | Incu | bati | ion | Uni | its: | 01 |
|---------|-------------|------|-----|-----|------|----|
| | | | | | | |

☐ IP Facilitation Unit: 01

☐ Incubation Units: 01

D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Institutes possess the Pre-Incubation center at SKN Sinhgad college of Engineering where the conversion of student projects and their ideas in patent writing is followed. The institute has Research park area near to which incubation center is established where student and faculties have all the facilities to work on their idea. The innovative projects are exhibited here. Additionally, there is creativity and Thinking lab in the institute to motivate the students for innovative thinking. Institute have made framework of National Innovation and Start-up policy also



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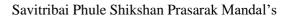


E. Highlight Achievements (Narrative/Graphical/tabular representation)

| 1. | Number and Different types of I&E and IPR activities Conducted | 520 |
|----|---|-----|
| 2. | No. of student's & faculty ideas generated | 270 |
| 3. | No. of student's & faculty Innovation/prototypes developed: | 118 |
| 4. | No. of IPs generated, published and granted | 101 |
| 5. | No. of Student & Faculty Start-ups/Ventures established 18 | |
| 6. | Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus 2,65 | |
| 7. | 7. Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR 91,850 | |
| 8. | 1 | |

F. Highlight few best IIC Faculty/Student members and their achievements/

- ❖ Dr. S. G. Deshmukh organized an International Conference on Sustainable Innovations in Civil and Mechanical Engineering (ICSICME) 2025.
- Mr Yashraj Gawali and Saurabh Jare, have successfully completed district and Zonal Level and represented Maharashtra State for National level Skill India Competition
- ❖ Prof. S. R. Koli, member of IIC got research fund 2.40 lacs from Rajiv Gandhi Science & Technology commission.
- ❖ Dr. S. G. Kulkarni, Dr. B.S. Gandhare, Prof. A. B. Jagdale, Prof. Gaurav Patil, Prof. Atul Aradhye, Prof. D. R. Giram designated as "IIC Innovation Ambassador".
- ❖ Dr. S. G. Deshmukh organized conference on innovations in computer science and engineering and organized panel discussion on startup opportunities.
- ❖ Prof. U S Gholap taken initiation for startup on wormy composting





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G. Highlight selected best Innovations & images with mention of inventor / innovationname

Following innovative projects are under AY-2024-25

| C | Sr. Title of Project Funding Project Cost Date of Status | | | | |
|-----|---|--|---|--------------|---|
| Sr. | Title of Project | Funding Agency | Project Cost | Submission | Status |
| 1 | Smart and Sustainable Manufacturing in Industry 4.0/5.0: Challenges and Opportunities | ATAL AICTE offline FDP - AICTE Training and Learning (ATAL) Academy | Grant Requested – 3.50 Lakh. | 24/04/2025 | Sanctioned Rs 3.50 Lakh |
| 2 | International Conference on Intelligent Systems and Machine Intelligence (E & Tc) | PAH Solapur University Solapur | Grant Requested – 0.25 Lakh. | 3 July 2024 | Sanctioned Rs 0.25 Lakh |
| 3 | Establishment of AICTE IDEA LAB at SKN Sinhgad College of Engineering Korti, Pandharpur. | AICTE | Project Cost- 105.0 Lakh Grant Requested AICTE 30 Lakh Institute 45Lakh, Alumni/Industry 30 Lakh | 25 July 2024 | Sanctioned Project of Rs 105.0 Lakh |
| 4 | Implementation of smart farming System using IOT for Pandharpur area | Seed Money for Research PAH Solapur University Solapur | 2.0 Lakh | 06 Aug 2024 | Sanctioned Project of Rs 0.60 Lakh |
| 5 | implementation of Device that can be used in Agriculture to make it Smart Using lo-l | Seed Money for Research PAH Solapur University Solapur | 2.0 Lakh | 06 Aug 2024 | Sanctioned Project of Rs 1.0 Lakh |
| 6 | Design and Development of Low- cost sustainable device for potable water purification | Seed Money for Research PAH Solapur University Solapur | 2.0 Lakh | 06 Aug 2024 | Sanctioned Project of Rs 1.0 Lakh |



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H. Highlight selected start-ups established by students/faculties with mention

ofFounder/cofounder name

- 1) Mr. Ratan Lal Pingale generated startup on oil extraction from oil seed useful for health through wood oil mill
- 2) Mr. Shubham Magaji started startup on bakery products

I. List if any break through Innovations / Technology Developed at the institute

• Light weight Bio gas plant development

J. Participation of IIC-institute in various programs of Central and Stage

Govt. Highlighting specially for the schemes or programs

- ARIIA participated this year and Rank is expected
- NISP Adoption status Trained Faculty, Policy Formulation, Policy Implementation
- Smart India Hackathon etc.
- Applied for grant to Incubation Centre of institute
- Mr Yashraj Gawali and Saurabh Jare, winner of Maharashtra State Skill Competition,
 Participated in National level Skill India Competition
- 12 students of third and last year CSE, E&TC classes from SKN SINHGAD College of Engineering, Pandharpur created history by implementing innovation ideas in reality products within 48 hours and impressed American investors from Boston and won attractive prizes along with an excellent stipend during one month Internship



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CERTIFICATE

PRESENTED TO

SAURABH GULAB JARE

in recognition of their outstanding participation in the skill of Robot Systems Integration

Indiaskills 2024

held at IICC Yashobhoomi, New Delhi 15th- 19th May, 2024



Aprilonen Shri Atul Kumar Tiwari

Secretary
Ministry of Skill Dovelopment
and Entrepreneurship,
Government of India

Organised by:
National Skill Development Corporation (NSDC) under the aegis of
Ministry of Skill Development and Entrepreneurship, Government of India



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K. Detail of Social Media & Connections of IIC institute

College Website:

https://www.sknscoe.ac.in

Facebook Page:

https://www.facebook.com/SKN-Sinhgad-College-of-Engineering-Korti-Pandharpur-

Facebook Account:

https://www.facebook.com/sinhgad.pandharpur/

Instagram Account:

https://www.instagram.com/sinhgadpandharpur/

YouTube Channel:

https://www.youtube.com/channel/UCWB9fv6fAuzfS6EfMO-aZVQ

Twitter Account:-

https://twitter.com/SINHGADINSTITU2?s=08

LinkedIn Account:-

https://www.linkedin.com/in/skn-sinhgad-college-pandharpur-0657a0212/



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L. Testimonials from IIC members and external about IIC institute and IIC

of

MoE's Innovation Cell

- 4 Star Rating in IIC 3.0
- 4 Star Rating in IIC 4.0
- 3.5 Star Rating in IIC 5.0
- 4 Star Rating in IIC 6.0

Activity Conducted for Quarter – I

| Sr. No | Title of Activity | |
|--------|---|--|
| 1 | Workshop on "Entrepreneurship and Innovation" as a Career Opportunity | |
| 2 | My Story - Motivational Session by Successful Innovators | |
| 3 | From Idea to Impact - Motivational Session by Successful Entrepreneur/Start-up Founder | |
| 4 | Session on Problem Solving and Ideation Workshop | |
| 5 | Session on the "Basics of Intellectual Property Rights and its Importance for Innovators and Entrepreneurs". | |
| 6 | Exposure and Field Visits for Problem Identification: Aligning with UN SDGs and Exploring Emerging Areas of Technologies | |
| 7 | Organize an Inter/Intra Institutional Idea Competition/ Challenge/ Hackathon, and Reward the Best Ideas and deposition in the Institution's YUKTI Innovati Repository | |
| 8 | Idea Showcase: Demo Day/Exhibition/Poster Presentation of Ideas/PoC & linkage with Innovation Ambassadors/Experts for Mentorship Support. | |



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Activity Conducted for Quarter - II

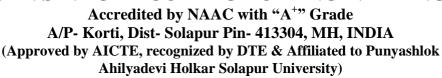
| Sr. No | Title of Activity | |
|--------|--|--|
| | IIC Council Meeting- Review of Q1 progress and Planning for Q2. | |
| 1 | Workshop on Design Thinking, Critical thinking and Innovation Design | |
| 2 | Organizing Innovation & Entrepreneurship Outreach Program in Schools by engaging active Atal Tinkering Labs and School Innovation Council (SIC) | |
| 3 | Organize an Expert talk on Process of Innovation Development, Technology Readiness Level (TRL); Commercialization of Lab Technologies & Tech-Transfer | |
| 4 | Workshop on Effective Sales and Marketing Strategies for Entrepreneurs /Startups | |
| 5 | Conduct a Session on Achieving Problem-Solution Fit and Product-Market Fit | |
| 6 | Field/Exposure Visit to Pre-incubation units such as AICTE Idea Lab, Fab lab, Makers Space, Design Centers, City MSME clusters, workshops etc. | |
| 7 | Competition/Challenge/Hackathon and Reward the Best Innovations and deposition in the Institution's YUKTI Innovation Repository | |
| 8 | Innovations Showcase: Demo Day/Exhibition/Poster Presentation of Innovations/Prototypes & linkage with Innovation Ambassadors/Experts for Mentorship Support | |

Activity Conducted for Quarter - III

| Sr. No | Title of Activity | |
|--------|---|--|
| | IIC Council Meeting- Review of QII progress and Planning for QIII. | |
| 1 | Workshop on Prototype/Process Design and Development. | |
| 2 | Session/ Workshop on Business Model Canvas (BMC) | |
| 3 | Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre such as Atal Incubation Centre etc. | |
| 4 | Session on "How to plan for Start-up and legal & Ethical Steps" | |
| 5 | Workshop on "Raising Capital and Managing Finance for Startups" | |
| 6 | Workshop on "Protecting Intellectual Property Rights (IPRs) and IP Management for Startups" | |
| 7 | Organize an Inter/Intra Institutional Business Plan Competition and Reward the Best Innovations and deposition in the Institution's YUKTI Innovation Repository | |
| 8 | B-Plan Pitch: Demo Day/Exhibition/Poster Presentation of Business Plans & linkage with Innovation Ambassadors/Experts for Mentorship Support. | |



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Activity Conducted for Quarter - IV

| Sr.No | Title of Activity |
|-------|--|
| 1 | Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving "Value Proposition Fit" & "Business Fit" |
| 2 | Session on Accelerators/Incubation -Opportunities for Students & Faculties – Early-Stage Entrepreneurs |
| 3 | Organize Session on "Lean Start-up & Minimum Viable Product/Business"- Boot Camp (or) Mentoring Session |
| 4 | Session on Angel Investment/VC Funding Opportunity for Early-Stage Entrepreneurs. |
| 5 | Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level |
| 6 | Organizing Innovation & Entrepreneurship Outreach Program by involving ATLs/SICs in Schools |
| 7 | Organize an Inter/Intra Institutional Start-up Competition and Reward the Best Start-ups and deposition in the Institution's YUKTI Innovation Repository |
| 8 | Startup Summit: Demo Day/Exhibition/Poster Presentation of Start-Ups & Linkage with Innovation Ambassadors/Experts for Mentorship Support |

The detailed report of every activity is uploaded on IIC portal.



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M.Images





IIC Meeting

Workshop on "Basics of Intellectual Property Rights and Its Importance for Innovators and Entrepreneurs"





INAUGURATION OF "IDEATHON 2K24" STATE LEVEL TECH FEST "SPECTRUM-2K24"



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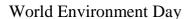
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Institution's Innovation Day







Independence Day Celebration

Expert Talk on "Technology Readiness Level (TRL)"



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Letter of Appreciation

Dear Sir/Madam,

Please accept our sincere gratitude to all the chief functionaries and every members of the IIC Institution's Innovation Council (IIC) of SKN SINHAGAD COLLEG OF ENGINEERING for the continuous support and contribution towards building the innovation and entrepreneurship culture development in your campus and also extending support to help other IIC institutions towards growth of the IIC network during the academic year 2023-24.

Chief Functionaries of the IIC at SKN SINHAGAD COLLEG OF ENGINEERING, Solapur

| Name | Position |
|------------------------------|---------------------------------|
| Dr. S. G. Kulkarni | President |
| Dr. Swanand Gajanan Kulkarni | NISP Co-ordinator |
| Mr. Samadhan Changdev Mali | NIRF Coordinator |
| Prof. S. D. Katekar | Social Media |
| Dr. S. G. Deshmukh | Convener |
| Prof. G. D. Lakade | Innovation Activity |
| Prof. B. S. Savase | Internship Activity Coordinator |
| Dr. A. S. Aradhye | ARIIA Coordinator |
| Dr. B. S. Gandhare | Start up Activity Coordinator |
| Prof D. M. Korake | Vice President |
| Prof. Prasad P. Kulkarni | IPR Activity Coordinator |

As we are progressing towards a 'quality' driven I&E ecosystem development, we strongly believe that the IIC model and its unique structure is definitely putting your HEI's thoughts, actions and aspirations in a systematic way to achieve inclusive and holistic development of the ecosystem.

Thanks & regards.

Yours Sincerely,

Dipan Kumar Sahu



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N. Contact

Dr. S G Kulkarni, Email- swanand.kulkarni@sknscoe.ac.in Mobile: 7875212835

Prof. D.M.Korake, Email- dattatraya.korake@sknscoe.ac.in_Mobile: 7875212725

The IIC Calendar Activities are distributed in four quarters. Every quarter comprises IIC Calendar activity, MIC Driven Activity and Self Driven activity. IIC Calendar activity and Self driven activities are planned and conducted by the IIC members for the benefit of its students and faculty members. The activity conducted of each quarter and brief details of each activity are mentioned below.

-- End of Annual Report--