



BETHLAHEM INSTITUTE OF ENGINEERING

KARUNGAL - 629 157, KANYAKUMARI DIST., TAMIL NADU.

(Approved by AICTE Vide : FNo. 06/05/TN/E&T/2007/25 dt. 02-06-2008 &

Affiliated to Anna University, Chennai)

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E-mail : mail@bethlahem.org, Website : www.bethlahem.org

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Best Practices 1

1. Title of the Practice:

“Road to Lead - Student of the Month”

2. Objectives of the Practice:

The primary objectives are as follows:

- To motivate and inspire students to strive for excellence in their academic pursuits
- To recognize the hard work and dedication
- To encourage healthy competition among students
- To promote a growth mindset and critical thinking
- To enhance the knowledge, willpower and skills to excel in the competitive world
- To foster a culture of participation and engagement in various aspects of campus life.
- To acknowledge students who exhibit excellent communication, teamwork and leadership skill
- To inspire students to consistently put the best efforts in studies and projects.
- To empower students to reach their full potential, achieve academic success and prepare them for future endeavors

3. Context:

The "Student of the Month" program involves several contextual features and potential challenges. Factors such as academic achievement, extracurricular involvement and personal behavior are taken into account to bring clarity and transparency in the selection criteria. Moreover, it is essential to avoid unintentional biases or discrimination based on gender, ethnicity or socioeconomic status. The recognition process should be inclusive, highlighting diverse talents and achievements beyond academics. Balancing the subjective nature of nominations with objective evaluation methods helps maintain credibility and reduce favoritism. This practice recognizes a student who has demonstrated outstanding academic achievement, leadership skills or contributions to



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the department and Institution. By considering these factors, the practice aims to acknowledge and appreciate students who excel academically and in various aspects of their personal and extracurricular activities. Furthermore, it emphasizes the importance of fostering a culture of excellence and motivation among students.

4. The Practice:

The "**Student of the Month**" program at Bethlehem Institute of Engineering is designed to recognize and appreciate outstanding students within a particular department who have demonstrated excellence in both academic and extracurricular activities. In this practice, the selection process involves nominations of the students from all classes by faculty members, followed by a review of the nominees' attendance, academic performance, completion of online courses, involvement and active participation in technical events, non-technical activities, cultural, sports events, leadership qualities and overall performance of the students.

- **Attendance:** Regular attendance and punctuality show students' commitment to their education which helps them to maintain time management in future.
- **Academic Performance:** High academic achievement and consistent effort in studies imply the dedication and capabilities of the students.
- **Online Courses:** Participative learning and success in online courses show a student's adaptability to different learning environments.
- **Technical Events:** Involvement and participation in technical events demonstrate a student's interest and proficiency in their specific field of study.
- **Non-Technical Activity:** Participation in non-technical activities highlights student's ability to balance academics with other interests.
- **Cultural & Sports Events:** Active participation in cultural and sports events promotes teamwork, leadership skills and a healthy lifestyle.
- Nominated students will be filtered based on the above criteria and one student will be selected from each department as "**Student of the Month**". The selected student is then recognized and appreciated.


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Constraints and limitations may arise due to:

1. **Subjectivity in Selection:** The subjective nature of nominations and evaluations can lead to biases or favouritism if not managed effectively.
2. **Societal Expectations:** Societal pressure to prioritize academic excellence over other forms of achievement may undermine the program's goal of fostering holistic development.

Despite these challenges, "Student of the Month" program plays a dynamic role in nurturing a culture of recognition, motivation and excellence among students and also contributes to their overall growth and development.

5. Evidence of Success:

Evidence of the success of the practice "Student of the Month" can be viewed in improved academic performance and accomplishments in various activities.

Students' overall academic and personal growth is positively impacted by this practice, which enhances their sense of confidence and self-esteem.

- **Career Development and Placement:** By linking the recognition of outstanding students to career-related initiatives, such as mentorship programs, internships, job opportunities or career counseling services, students gain practical skills and insights that align with their academic achievements. This integration can help students explore potential career paths, develop essential workplace skills and make informed decisions about their future endeavors. Additionally, providing resources for resume building, interview preparation, and networking can enhance the overall impact of the "Student of the Month" program. It prepares students for successful transitions into the workforce or higher education.
- **Active participation in discussions and debates:** Students actively participate in discussions, debates and in extracurricular activities.
- **Leadership skills:** Students' active participation in workshops and seminars develops the leadership skills.
- **Positive Feedback:** The "Student of the Month" initiative has garnered overwhelmingly positive feedback from faculty, students and parents alike.



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Attendance:



Academic Performance:




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Online Courses:



NPTEL Online Certification
(Funded by the MEd. Govt. of India)

This certificate is awarded to
AKSHA SHERIN D
for successfully completing the course

Digital Circuits

with a consolidated score of **53 %**

Online Assignments	21.44/25	Proctored Exam	31.5/75
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Total number of candidates certified in this course: **2526**

Jul-Oct 2023
(12 week course)

Prof. Harmanth Ravery
Coordinator, NPTEL
IIT Karagpur



Indian Institute of Technology Karagpur



swayam

Roll No: NPTEL23E11504270002 To verify the certificate

No. of credits recommended: 3 or 4



NPTEL Online Certification
(Funded by the MEd. Govt. of India)

This certificate is awarded to
J S JERIN ABISHEK
for successfully completing the course

Python for Data Science

with a consolidated score of **51 %**

Online Assignments	20/25	Proctored Exam	30.75/75
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Total number of candidates certified in this course: **4711**

Jan-Feb 2023
(4 week course)

Prof. Devendra Jalihal
Coordinator
Centre for Network and System Education, IITM



Indian Institute of Technology Madras



swayam

Roll No: NPTEL23E52152427504 To verify the certificate

No. of credits recommended: 1 or 2



NPTEL Online Certification
(Funded by the MEd. Govt. of India)

This certificate is awarded to
BEALTLN JEYA J
for successfully completing the course

Digital Circuits

with a consolidated score of **40 %**

Online Assignments	10/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **2526**

Jul-Oct 2023
(12 week course)

Prof. Harmanth Ravery
Coordinator, NPTEL
IIT Karagpur



Indian Institute of Technology Karagpur



swayam

Roll No: NPTEL23E11504270020 To verify the certificate

No. of credits recommended: 3 or 4



NPTEL Online Certification
(Funded by the MEd. Govt. of India)

This certificate is awarded to
J S JERIN ABISHEK
for successfully completing the course

Ethical Hacking

with a consolidated score of **57 %**

Online Assignments	24.41/25	Proctored Exam	32.15/75
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Total number of candidates certified in this course: **4375**

Jan-Oct 2023
(12 week course)

Prof. Harmanth Ravery
Coordinator, NPTEL
IIT Karagpur



Indian Institute of Technology Karagpur



swayam

Roll No: NPTEL23E52152427504 To verify the certificate

No. of credits recommended: 3 or 4

Technical Events:




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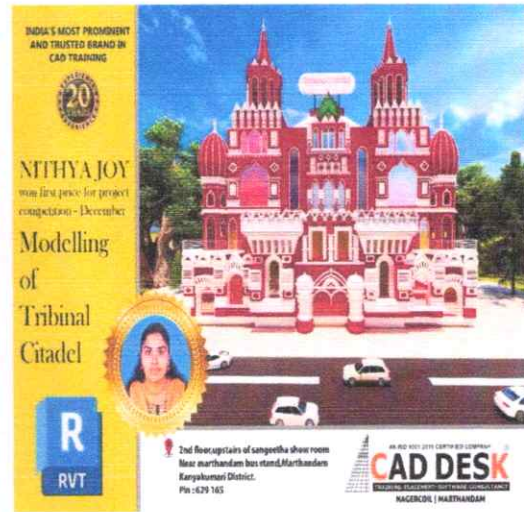
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Non-Technical Activity :




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Sports Events:



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AFFILIATED TO ANNA UNIVERSITY, CHENNAI

Congratulations

We, the Management of Bethlahem Institute of Engineering congratulate on your great victory as runner up in the Anna University Zonal Level Table Tennis held on 02.11.2022. You have made all of us so proud with this astonishing success today.

FOR MORE INFORMATION
9489058366, 9489058383

follow us on



www.bethlahem.org

**TABLE TENNIS - ZONAL LEVEL
SECOND PRIZE**




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Beth Achievers:




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Best Practices 2

1. Title of the Practice:

“SACK OF HACKS – Hackathon for Skill Development and Problem Solving”

2. Objectives of the Practice:

The primary objective of hosting a “Hackathon” at Bethlehem Institute of Engineering is to encourage creativity, innovation, problem-solving, and student collaboration. It provides a platform for students to address real-world problems, develop technical skills and showcase their talents. It also promotes teamwork, problem-solving abilities and the capacity to work under pressure. In addition, it can help students connect with industry professionals, gain practical experience and potentially lead to job opportunities. Overall, the underlying principle is to enhance students' technical abilities, teamwork and creativity while providing exposure to industry practices and mentorship, contributing to the overall growth and development of students in the field of technology and innovation.

3. The Context:

The Hackathon was created to provide students with practical, hands-on experience in addition to theoretical knowledge in the curriculum, addressing the challenge of preparing students for the competitive job market by bridging the gap between academic learning and industry requirements. It also aimed to promote a culture of innovation and entrepreneurship within the institution.

Key considerations such as selecting a relevant theme, ensuring access to resources, planning logistics, promoting diversity and inclusivity, establishing clear judging criteria, addressing intellectual property rights, enforcing a code of conduct and planning for post-event engagement are essential for implementing the Hackathon. These factors play a significant role in the success of the practice by creating an engaging and inclusive environment for participants, by effectively addressing these challenges and features, this practice not only showcases innovation and creativity but also promotes learning, networking and skill development among students.



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4. The Practice:

BIOE organized a Hackathon, inviting students from various departments to form teams and work on predefined problem statements. The event featured industry experts as mentors who guided the students throughout the competition. Unique aspects of this Hackathon include workshops on new technologies, brainstorming sessions and networking opportunities with potential employers. Despite the challenge of coordinating such a large-scale event and ensuring the availability of resources and mentors, it provided a collaborative and competitive environment.

The Beth Hackathon involves student participation and presentations of their solutions to problems. Students can seek guidance from faculty members as mentors. The submitted solutions are evaluated by a panel of academic and industry experts based on predefined criteria. The top-scoring teams from the initial round are chosen to take part in the Hackathon competition. During this stage, the teams are provided with guidance and support from mentors and industry experts, helping them to develop their proposed ideas into functional prototypes. The institute has shown a strong interest in Hackathons and competitions. Students are encouraged to identify relevant problem statements and are guided by mentors on how to effectively address them. The mentors also regularly check in with the students to oversee their progress and provide support throughout the process. Presentations are conducted in front of students and experts to help students build confidence in their soft skills, communication skills and time management abilities. Additionally, students are encouraged to collaborate in teams to promote teamwork. They are also assigned field tasks to gain a deeper understanding of the problem and to develop practical solutions. This hands-on approach allows them to apply theoretical knowledge to real-world problems and offer practical solutions.

Recognizing the importance of providing students with hands-on experience in addressing real-world challenges, these events bring together students from diverse backgrounds, including engineering, computer science, design, and business, to collaborate and develop innovative solutions within a limited time frame. The events emphasize addressing local and societal issues by focusing on themes such as



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healthcare, agriculture, education, and sustainability, reflecting the country's pressing social and economic challenges. This approach encourages students to think critically about the problems facing their communities and empowers them to leverage technology for social good.

This practice provides a valuable platform for students to demonstrate their skills and creativity. However, certain constraints and limitations must be overcome to ensure the success and sustainability of these events. By tackling these challenges and fostering a culture of innovation and inclusivity, BIoE can continue to use Hackathons as a powerful tool for experiential learning and skill development.

5. Evidence of Success:

- 1. Participation:** The level of student interest and involvement can be evaluated by the number of participants in the Hackathon.
- 2. Innovation:** The level of innovation and problem-solving skills of the participants can be demonstrated by the quality and creativity of the projects developed during the Hackathon.
- 3. Collaboration:** The extent to which participants collaborate with others, mentors and industry professionals during the event can showcase their networking and teamwork abilities.
- 4. Industry Engagement:** The level of industry recognition and support for the event among students can be measured by the involvement of industry partners, sponsors and judges in the Hackathon.
- 5. Skill Development:** The acquisition of new technical skills, knowledge and experience by participants during the Hackathon can be a measure of success in terms of learning outcomes.
- 6. Project Impact:** The potential impact of the projects developed during the Hackathon on addressing real-world problems or creating value in the industry can be a significant indicator of success.
- 7. Post-Event Opportunities:** The success and impact of the Hackathon can be showcased through the availability of post-event opportunities such as internships, job offers, project funding or incubation support for winning teams.


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Beth Hackathon Winners




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Newspaper Report



குமரி ஹேக்கத்தான் போட்டியில்

பெத்லகேம் பொறியியல் கல்லூரி மாணவர்களுக்கு பரிசு

நாகர்கோவில், மே.14-குமரி மாவட்ட நிர்வாகம், மாவட்ட திறன் பயிற்சி அலுவலகம், தமிழ்நாடு புத்தொழில் மற்றும் புத்தாக்க இயக்கம், நான் முதல்வர் திட்டம் ஆகியவை இணைந்து குமரி ஹேக்கத்தான் போட்டிகள் நடத்தியது. இதில் பல்வேறு மாணவ-மாணவிகள் கலந்து கொண்டனர். போட்டியில்

கருங்கல் பெத்லகேம் பொறியியல் கல்லூரி இளநிலை மாணவர்கள் மோசஸ் ஜோஜி மேத்யூ, அஞ்சலி சுரேந்திரன், மனோஜ், சிவரஞ்சினி ஆகியோர் உதவி பேராசிரியர்கள் சோபியா ஜோன், மோனிஷா வழிகாட்டுதல் படி குழு தலைவர் முதுகலை மாணவர் அருண் நிக்சன் உதவியுடன் 'நெகிவி இல்லா குமரி' என்ற தலைப்பில் புதிய வகையி

லான பிளாஸ்டிக்கை உருவாக்கி வெற்றி பெற்றனர். இந்த கண்டுபிடிப்பு 24 மணி நேரத்தில் மக்கி போகும் தன்மை உடையது. உட்கொண்டாலும் உடல் நலத்துக்கு கேடு விளைவிக்காது. மக்கா பிளாஸ்டிக்குக்கு மாற்றாக கண்டுபிடிக்கப்பட்டது.

இதற்கான பரிசளிப்பு விழாவில் அமைச்சர் மனோ தங்கராஜ், கலெக்டர் ஸ்ரீதர் ஆகியோர் கலந்து கொண்டு மாணவர்களுக்கு ரூ.25 ஆயிரத்துக்கான காசோலையை வழங்கினர். பரிசு பெற்ற மாணவர்களை கல்லூரி தலைவர் ஜெரால்டு செல்வராஜா, இயக்குனர் ஐசன், முதல்வர் எம்.பி.பிரேமர் மற்றும் நிர்வாகிகள் பாராட்டினர்.



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Boot Camp Kumari Hackathon



Inter-College Luminescence Contest :




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