

**Minutes of the 5<sup>th</sup> Meeting of IQAC**

Fifth meeting of Internal Quality Assurance Cell (IQAC) was held on January 06, 2020 at 04.00 PM in the Board Room of JUET, Guna.

**1. The meeting was attended by the following:**

Prof. J. S. P. Rai, Vice Chancellor, JUET, Guna	Chairman
Brig Arjun Rawat (Retd), Registrar, JUET, Guna	Member
Prof. P. K. Singh, HOD CHE & CHY, JUET, Guna	Member
Prof. Vipin Tyagi, Head (FMS) & HOD (Mathematics)	Member
Prof. Ghanshyam Singh, HOD MEC, JUET, Guna	Member
Dr. Narendra Singh, HOD (ECE) JUET, Guna	Member
Dr. Rajneesh Atre, HOD (Physics) JUET, Guna	Member
Dr. Sumit Gandhi, HOD (CE), JUET, Guna	Member
Dr. Sandeep Srivastava, HOD (HSS), JUET, Guna	Member
Dr. Rashmi Tyagi, CoE, JUET, Guna	Member
Dr. Nileshkumar R. Patel, JUET, Guna	Member
Mr. Vivek Tiwari, I/C LRC, JUET, Guna	Member
Shri V.C. Pandey (CFAO) JUET, Guna	Member
Prof. Shishir Kumar, HOD (CSE) and Acting Dean (A&R),	Member Secretary

**Leave of absence was recorded for-**

Shri. Aditya Kumar Shrivastava, DGM, ACC Cement (Tikaria)	External Member
Shri D.K. Jain, GM (HR), GAIL,, Vijaypur, Guna	External Member
Shri R.C. Gupta, Project Director, NHAI, Guna	External Member
Smt. Hemlata Sharma, Janpad Circle Officer, Raghogarh	External Member

**2. Confirmation of minutes of 4<sup>th</sup> IQAC meeting held on Wednesday, April 25, 2019 - Minutes of the 4<sup>th</sup> IQAC meeting held on April 25, 2019 read and confirmed with consent of all.**

**3. Following agenda points were discussed and reported :-**

**(a) Submission of Annual Quality Assurance Report to NAAC office -** Status of Annual Quality Assurance Report (AQAR) for the period 2018-19 was reported. It was submitted to NAAC through online mode on November 12, 2019. Its copy was uploaded on the University website. This AQAR was ratified by Academic Council in its last meeting held on December 09, 2019.

**(b) New B.Tech Curriculum with Minor Specializations-** Approval of new curriculum (as per guidelines of AICTE) by Academic Council was reported. It is being implemented from B.Tech batch admitted in 2018. Its key features are

- Option for Honors degree with 20 additional credits
- Minor Specialization with 20 additional credits
- Interdisciplinary Minor Specializations
- Foreign Language
- Value added courses

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**(c) University Recognitions/Collaborations**

- JUET is an approved Remote Center of National Mission on Education through ICT Program (MHRD, Govt. of India), conducted by consortium of IITs, and coordinated by IIT Mumbai.
- JUET is the nodal center of Virtual Lab, IIT Delhi.
- Cisco Academy established in December 2018 and the first batch completed its course successfully. Second batch for CCNA training program started from July 20, 2019.

**(d) MOUs with other Organizations-**

- MOU signed with VR/AR/MR, New Delhi, on October 07, 2019 to open a Center of Excellence in area of Virtual and Augmented Reality.

**(e) Visits of prominent dignitaries for beyond syllabus discussions to face competition-**

- Dr. A. Shekhar, Ex. Sr. Engineer AIR (Alumni IITD) delivered a lecture on 'Communicating Science and Technology through the electronic media' on December 06, 2019.
- Mr. Anand Bhushan, Vice President, Capegemini interacted with students and faculty members on November 09, 2019.

**(f) Meeting of University Academic/Management Meetings-**

- Tenth Academic Council Meeting was held on December 09, 2019.

**(g) Seminars/Workshops organized-**

Detail of Seminars and Workshops organized during this reported period is mentioned below-

Event Details	Dates	Resource Persons / Organized in collaboration
Workshop on "Advancements in Software Engineering"	August 04-17, 2019	Dr. Carsten Mueller, IT Consultant , Nuremberg , Germany
Faculty Induction Program on "Universal Human Values for Student Induction"	September 16-18, 2019	AICTE Nominee Mr. Pankaj Yadav and Mr. Moti Yadav
Teachers Training Program on "Programming in Python & AI" for school teachers	December 6-8, 2019	Faculty members of Department of Computer Science & Engineering, JUET
FDP on "AI & Machine Learning"	December 23-27, 2019	In collaboration with IIIT Jabalpur, Supported Ministry of IT, GoI,
FDP on "VLSI Chip Design Hands-on using Open Source EDA "	December 16-20, 2019	In collaboration with IIIT Jabalpur, Supported Ministry of IT, GoI,
FDP on "Deep Learning & Applications "	December 9-13, 2019	In collaboration with IIIT Jabalpur, Supported Ministry of IT, GoI,
FDP on "Python Programming with Industry Experience"	December 2-6, 2019	In collaboration with IIIT Jabalpur, Supported Ministry of IT, GoI,

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**(h) Other Events Organized-**

Event Details	Dates
The Department of Mechanical Engineering hosted zonal rounds of 12th A World in Motion (AWIM) National Olympics- 2019, Organized jointly by Mahindra & Mahindra and SAE India. A World in Motion (AWIM) is a teacher administered, volunteers assisted program wherein students make air powered Jet Toy Cars. Students experiment with chassis designs and nozzle sizes to obtain best performance of the Jet Toy Car.	November 27, 2019
As part of University's outreach to schools in and around JUET, around 2500 students visited the campus and were taken around the various facilities of the university.	On different dates
All faculty, staff members and students participated and read Preamble and Duties of Citizens on the eve of celebration of 70th Constitution Day.	November 26, 2019
All faculty, staff members and students took Integrity Pledge during Vigilance Awareness Week 2019.	November 02, 2019
150th Birth Anniversary of Father of Nation Shri Mahatma Gandhi Ji was celebrated. All faculty, staff members and students participated and read a selected passage on Gandhian philosophy.	October 02, 2019
A session on 'Status of Gender Equality in India' was conducted.	December 17, 2019.

**(i) Faculty Seminars-**

- Prof. S. Arunachalam delivered a seminar on topic, "Cyclone Disaster Mitigation", on December 31, 2019.
- Mr. P.S. Banerjee delivered a seminar on "Natural Language Processing and its Societal Impacts" on November 11, 2019.
- Prof. Shishir Kumar delivered a seminar on "Design Thinking for Innovation" on October 09, 2019.
- Dr. Ranu Gupta delivered a seminar on "Image Processing and its Applications" on November 20, 2019.
- Mr. Neeraj Jain delivered a seminar on "Hindi: Some interesting facts" on December 5, 2019.
- Dr. Rachna Chaturvedi delivered a seminar on "Economics for everyone" on October 24, 2019.

**(j) Publication data (From July 2018 to December 2018)-**

Category	2019-20
SCI publications (Journal)	21
Scopus publications (Journal)	15
Other publications (Journal)	1
Total Publications (Journal)	37
Publications Indexed with SCI+ Scopus (Journal)	36
Books Chapters /Conference Proceedings	10
Sponsored Ongoing Research Projects	4
Patents Published	2

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**(k) Interaction with Stake-holders**

By Honorable Vice Chancellor:

- Interaction with all faculty members on September 12, 2019

**(l) Learning Resource Centre (LRC) Continuous updation of digital library**

- Three hundred thirty eight (338) volumes of books comprising of 305 newly purchased and 33 gifted books have been added to LRC.
- Subscription of more than 10000 on-line magazines and newspapers have been renewed with Magzter.
- Subscription of Anti-Plagiarism Software “URKUND” is made available to LRC users under ShodhShuddhi program of Ministry of HRD, Govt. of India.

**(m) Alumni Achievements-**

Alumni Achievements are reported and listed in Annexure -1

**(n) Student’s Achievements-**

Student’s Achievements are reported and listed in Annexure -2

**(o) Student’s Events @ JUET**

List of events organized by students in mentioned in Annexure-3

**(p) Group Insurance-**

- Students’ Mediciam (For treatment of injuries due to accidents)  
Six students benefited (up to ₹50,000/-)
- Faculty and Staff members covered with group Mediciam Policy (with self contribution)

**(q) Social Activities-**

- Students collected and distributed clothes, toys and footwear to needy on December 22, 2019.

**(r) Placement Record: B.Tech 2016-20 Batch (As on December 20, 2019)**

Content	CSE	ECE	MEC	CHE	CE	TOTAL
No. of Admitted students	268	22	57	2	48	397
No. of Eligible students	227	18	37	0	34	316
Students opted for higher studies	11	2	8	0	6	27
No. of students interested for placement	216	16	29	0	28	289
Total no. of offers to students	336	19	28	0	14	397
% of students placed -Total Offer wise - Based on eligible interested students	155.56	118.75	96.55	0.00	50.00	137.37

- Harsh Srivastava and B. Poorna student of CSE 2016-20 batches offered 28 Lacks/PA by Amazon.

**(s) Ph.Ds Awarded-**

Departments	Ph.Ds Awarded (From July to December, 2019)
CSE	02
Mechanical Eng.	01
Chemistry	01
Maths	01

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(t) Patents Filed-

Patent Details	Patent status (Published/Filed)	Patent Number (Numeric Field)	Date of Publication (DD/MM/YYYY)
System of Intelligent and Adaptive Control for Micro Hydro Plant	Published	201911024489	06/07/2019
Method of Load Distribution Balancing In Fog Cloud Computing Architecture Using Data Flow Acceleration	Published	201911045687	15/11/2019

(u) Establishment of New Laboratories-

- Transducer Lab has been established in the department.

(v) Sponsored Projects-

S/No.	Name of Principal Investigator & Department	Name of Project	Sponsor / Date of Approval	Fund Allocated (in Lacs)	Duration
1	Dr. Y.K. Modi, Mechanical Engineering	To Investigate the calcium sulphate and silicate based scaffold useful in human anatomy and developing this material using 3D printing	MPCST, Govt. of MP / 31.03.2018	6.45	2 Years (Continued projects)
2	Ms. Nancy Soni (Fellowship for Research Study), Civil Engineering	Utilization of Manufactured Sand obtained from Construction & Demolition Waste in High Strength Concrete	Indira Gandhi Fellowship of Environmental Management and Conservation (2016-17); EPCO / 11.06.2018	7.00	2 Years (Continued Projects)
3	Dr. Shishir Kumar (PI), Dr. Nileshkumar R. Patel (Co-PI), Computer Science & Engineering	Effective Approach for Prolonged Lifetime of Wireless Sensor Network through Efficient Energy Conservation	MPCST, Govt. of MP / 04.02.2019	4.25	2 Years (Continued Projects)
4	Dr. Rachna Chaturvedi, Humanities and Social Sciences	An evaluative study of Digitally Empowering Urban and Rural Women in the district of Guna, Madhya Pradesh	Indian Council of Social Sciences and Research, New Delhi / 13.11.2019	3.00	1 Year (New Project Grant)

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**(w) Promotion and Incentives- Annexure -4**

**(x) New Joining-**

- Two new faculty members joined
- Three Staff members joined

**(y) Submitted Research Projects Proposals**


- Details of Research Projects Proposals was reported and mentioned in Annexure -5

**(z) Actions to be taken further-**

Details of planned actions to be taken further, is discussed and pointed below-

- Efforts for improvements in admissions
- Attracting students from different states, countries and cultures
- Education resource within the framework of syllabus need to be developed
- Continuous inputs from stake holders for designing curriculum
- More short time value added programs to be conducted
- Improving research environment and fund generation through extra-mural research grants and consultancy
- Improvement in consultancy work
- Effective interaction in interdisciplinary areas for submitting projects to Govt. bodies
- Signing more MoUs with leading academic institutions / industries along with corporate training, consultancy and placements
- Number of papers in referred National and International journals are to be enhanced
- Motivation to file Patents
- Participation of faculty members in FDPs, workshop and conferences to be encouraged
- Continuous updation of digital library (LRC), Library resources needs to be further augmented, more library use to be promoted.


4. Meeting ended on a positive note with vote of thanks to chairman and all committee members.

  
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(Prof. Shishir Kumar)

Member Secretary

Confirmed

  
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(Prof. J. S. P. Rai)  
Chairman

## Annexure -1

### ALUMNI ACHIEVEMENTS

- Mr. Sitanshu Tripathi, alumnus of B.Tech, ECE, batch 2015-19 joined as Business Development Associate at BYJU'S, Pune.
- Mr. Yash Surana, alumnus of B.Tech, ECE, batch 2015-19 joined as Assistant System Engineer-Trainee at TCS, Pune.
- Mr. Apurv Vats, alumnus of B.Tech, ECE, 2013-17 has been awarded for improving the Head Count from 35 to 75 in a single Quarter (Q3), which was way beyond the expectation of Delivery Managers in Adobe, Bengaluru.
- Ms. Anshika Vashistha, alumnus of B.Tech, ECE, batch 2013-17 joined as Engineer at British Telecom Global Services India Limited, Gurgaon.
- Mr. Himanshu Jain, alumnus of CE, batch 2013-17, has been selected by CSIR-CBRI, Roorkee as one among the 21 students from all over the country, for pursuing his dissertation work in the field of highway materials.
- Ms. Akriti Khare, alumnus of B.Tech., CSE, batch 2013-17 joined as EMEA IS&T helpline Analyst at Apple, Ireland.
- Mr. Roopal Anand, alumnus of B.Tech, ECE, batch 2012-16 joined as Senior Software Engineer at Infosys, Pune.
- Mr. Sushant Jain, alumnus of B.Tech, ECE, 2012-16 has been awarded for winning the Best Automation Project in Infosys, Pune.
- Mr. Parth Kuraria, alumnus of B.Tech, ECE, batch 2012-16 has joined as Assistant Commandant in Ministry of Home Affairs, Government of India, Delhi.
- Mr. Sushant Jain, alumnus of B.Tech, ECE, batch 2012-16 has been promoted to Technology Analyst at Infosys, Pune.
- Mr. Saurabh Khanna, alumnus of B Tech CE, batch 2011-15, qualified the Andaman Public Works Department Assistant Engineer Examination.
- Mr. Mayank Singh, alumnus of B.Tech, ECE, batch 2011-15 started a new position as Team Lead at Img, Gurgaon.
- Mr. Akshansh Kumar Sharma, alumnus of B.Tech, ECE, batch 2011-15 started a new position as Software Developer at Technicolor, Bengaluru.
- Mr. Samyak Tomar, alumnus of B.Tech, ECE, batch 2011-15 started a new position as Executive at KPMG Global Services, Bengaluru.
- Mr. Mukul Gupta, alumnus of B.Tech, ECE, 2010-14 presently working in Service Now as Senior Technical Support Engineer (San Francisco) was awarded Technical Support Spot Award. This award is given for his "Exceptional service and willingness to go above and beyond". He started a new position as Cloud Technical Solution Engineer at Google, San Francisco.
- Mr. Abhishek Pandit, alumnus of B.Tech, ECE, batch 2010-14 joined as Senior Software Engineer at Quick Heal, Pune.
- Mr. Shrey Bhatnagar, alumnus of B.Tech, ECE, batch 2009-13 joined as Business Analyst at Thought Works, Gurgaon.
- Mr. Eshwar Srinivasan, alumnus of B.Tech, ECE, 2008-12 awarded People Choice Award at Barclays Got Talent, Season-3. Currently Mr. Eshwar is working with Barclay as a Senior Automation Engineer, Pune.
- Ms. Deepa Singh, alumna of B.Tech, ECE, batch 2008-12 started a new position as Test Team Lead, Accenture, Pune.
- Mr. Vineet Prakash, alumnus of B.Tech, ECE, batch 2008-12 started a new position as Senior Consultant at Capgemini, Navi Mumbai.
- Mr. Siddharth Jain, alumnus of B.Tech, ECE, batch 2008-12 started a new position as Senior Software Engineer at OCC, Chicago.
- Mr. Anuj Tiwari, alumnus of ECE, batch 2007-11 published his fifth book titled "Give Your Heart a Break". Mr. AnujTiwari is known for his bestselling books, "Journey of Two Hearts" and "It Had to Be You". He is the recipient of the Newspapers Association of India Achiever Awards 2014, which named him as the "Best Upcoming Novelist".
- Mr. Abhishek Kaushik, alumnus of B.Tech, ECE, batch 2006-10 started a new position as Web Engineer at Human Made, Benagluru.
- Mr. Abhyuday Choudhary, alumnus of B.Tech, ECE, batch 2006-10 is promoted to Associate Solution Architect at Dell EMC, Malaysia.

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## Annexure -2

- Mr. Sameer Prakash (161D048), cleared the level one at Oasis, an international competition organized by Korean International Promotion Association (KIPA) held on July 03, 2019. He is one amongst the 50 participants across the world to qualify this level.

## Annexure-3

The Students branch of Computer Society of India, Bitwise – JUET Programming Hub and Mozilla Phoenix Club organized following events:

- Winter Of Code : December 15, 2019
- Portfolio Designing Workshop : November 21-22, 2019
- Kodeathon A5 : November 19, 2019
- Aha! get Git Workshop : November 18, 2019
- Quibble 2019 : November 16, 2019
- Kodeathon A4 : November 14, 2019
- Hacktoberfest 2K19 : October 01, 2019
- Kodeathon A1 & A2 : September 23-24, 2019
- WAR FOR TREZOR : September 07, 2019
- Linux Install Fest : August 31, 2019
- Kodeathon A3 : August 24, 2019

Following events have been organized by ECE department students during the period:

- Robotics Workshop : November 19-21, 2019
- IOT Workshop : October 09-10, 2019
- E-waste collection : October 06, 2019
- Arduino Workshop : September 30 to October 01, 2019
- Orientation Program : September 06, 2019

Mechanical Engineering Society (MES) organised following events during the period:

- Orientation session : September 26, 2019
- Set the Angle : November 13, 2019
- Water Gun : November 13, 2019

## JUET YOUTH CLUB (JYC)

Following activities have been conducted by various wings of JYC during July 01, 2019 to December 31, 2019:

- Constitution Day : November 26, 2019
- Traditional Night : November 23, 2019
- Jaypee Model United Nations-2019 : November 16-17, 2019
- Guru Nanak Jayanti : November 14, 2019
- Halloween : November 09, 2019
- Vigilance Awareness Week-2019 : November 02, 2019
- Musical Evening : October 12, 2019
- Box Office : October 11, 2019
- Gandhi Jayanti (50th Birth Celebration) : October 02, 2019
- Together Against Corruption : September 27, 2019
- Swachhhta Abhiyan : September 22, 2019
- Teacher's day : September 05, 2019
- Fresher's (Al party do grand de freshers) : August 31, 2019
- Fit India Movement : August 29, 2019
- Fresher's Introduction : August 21, 2019
- Independence day : August 15, 2019

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#### Annexure-4

- Dr Ranu Gupta (ECE) has been promoted from Assistant Professor G-II to Assistant Professor (SG).
- Sh. Shishir Thakur and Sh. Ajay Naresh Prajapati have been promoted from NT-5 to NT-4 grade.
- Sh. Tarun Kumar Bhardwaj, Sh. Prakash Kumar Saini, Sh. Prabir Thakur, Sh. Kamlesh Sahu, Sh. Ravi Jha and Sh. P. Seshagiri have been promoted from NT-6 to NT-5 grade.
- Sh. Sanjay Singh, Sh. Shesh Pratap Singh, Sh. Sanjeev Kumar Mehar and Sh. Satyapal Singh have been promoted from NT-7 to NT-6 grade.
- Sh. Hari Lal Rathore, Sh. Prabhat Singh Parihar, Sh. Kamlesh Bunker, Sh. Siyanand Gautam, Sh. Vinay Kumar Tiwari, Sh. Ramesh Chandra Tiwari and Sh. Sandeep Singh have been promoted from NT-8 to NT-7 grade.
- Sh. Rajesh Kumar Kori, Sh. Yogesh Giri, Sh. Chaman Singh, Sh. Himmat Singh, Sh. Ram Gopal Namdeo, Sh. Markandey Tiwari, Sh. Kishan Chand Thakur, Sh. Raj Boher Dahiya, Sh. Dheeraj Singh, Sh. Govind Singh, Sh. Megh Nath Musup, Sh. Khadak Bahadur's salary scale has been upgraded.
- Sh. Rohini Prasad Dwivedi, Sh. Arun Kumar Tripathi, Sh. Muneraj Yadav, Sh. Prem Lal Kushwaha and Sh. Sabir Khan have been given increment in salary.

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*Sanjay*  
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